NATIONAL TURFGRASS EVALUATION PROGRAM

The National Turfgrass Evaluation Program (NTEP) is designed to develop and coordinate uniform evaluation trials of turfgrass varieties and promising selections in the United States and Canada. Test results can be used by national companies and plant breeders to determine the broad picture of the adaptation of a cultivar. Results can also be used to determine if a cultivar is well adapted to a local area or level of turf maintenance.

Briefly, the NTEP is a self-supporting, non-profit program, sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. Program policy is made by a policy committee consisting of one member from each of the four (4) Regional Turfgrass Research Committees in the United States, one member from the Lawn Seed Division of the American Seed Trade Association, one member from the United States Golf Association (USGA) Green Section, one member from the Golf Course Superintendents Assoc. of America (GCSAA), one member for the Turfgrass Producers International (TPI), one member from the Turfgrass Breeders Association and an executive director. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings.

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

CURRENT POLICY COMMITTEE MEMBERS:

Mr. Aaron Kuenzi, Mountain View Seeds
Mr. Bo Lacy, Barenbrug USA.
Dr. Cole Thompson, USGA Green Section
Dr. Charles Fontanier, Oklahoma State University
Dr. Alec Kowalewski, Oregon State University
Mr. Mike Selman, Buena Vista Turf Farm
Mr. Mark Johnson, Golf Course Superintendents Assoc. of America
Dr. Aaron Patton, Purdue University
Mr. Austin Fricker, Pure-Seed Testing, Inc.
Mr. Steve Rackliffe, University of Connecticut
Ms. Kristen Althouse, Sports Turf Managers Association of America

FOR ADDITIONAL REPORTS OR INFORMATION CONTACT:

Kevin Morris, Executive Director
National Turfgrass Evaluation Program
Beltsville Agricultural Research Center-West
Building 005, Room 307
Beltsville, Maryland 20705
kmorris@ntep.org
www.ntep.org

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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*.

2019 NATIONAL ZOYSIAGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2020

State	Location	Code
Alabama	Auburn	AL1
Arkansas	Fayetteville	AR1
California	Riverside	CA3
Florida	Gainesville	FL1
Florida	Jay	FL3
Florida	Ft. Lauderdale	FL5
Georgia	Griffin	GA1
Indiana	West Lafayette	IN1
Kansas	Manhattan	KS1
Missouri	Columbia (Large Patch Tolerance)	MO1
North Carolina	Raleigh (Traffic)	NC1
Oklahoma	Stillwater	OK1
Tennessee	Knoxville	TN1
Texas	Dallas (Drought)	TX1
Texas	College Station (Shade)	TX2

2019 NATIONAL ZOYSIAGRASS TEST
Entries and Sponsors

Entry No.	Name	Type	Sponsor
*1	Meyer	Vegetative	Standard Entry
*2	Emerald	Vegetative	Standard Entry
*3	Zeon	Vegetative	Standard Entry
4	FZ 1410	Vegetative	University of Florida
5	FZ 1368	Vegetative	University of Florida
6	FZ 1367	Vegetative	University of Florida
7	FZ 1440	Vegetative	University of Florida
8	FZ 1422	Vegetative	University of Florida
9	FZ 1727	Vegetative	University of Florida
10	FZ 1436	Vegetative	University of Florida
11	15-TZ-11715	Vegetative	University of Georgia
12	16-TZ-12783	Vegetative	University of Georgia
13	16-TZ-13463	Vegetative	University of Georgia
14	UGA GZ 17-4	Vegetative	University of Georgia
*15	Empire	Vegetative	Standard Entry
16	DALZ 1713	Vegetative	Texas A&M Agrilife Research
17	DALZ 1714	Vegetative	Texas A&M Agrilife Research
18	DALZ 1802	Vegetative	Texas A&M Agrilife Research
19	DALZ 1806	Vegetative	Texas A&M Agrilife Research
20	DALZ 1807	Vegetative	Texas A&M Agrilife Research
21	DALZ 1808	Vegetative	Texas A&M Agrilife Research
22	DALZ 1311	Vegetative	Texas A&M Agrilife Research
23	DALZ 1408	Vegetative	Texas A&M Agrilife Research
24	DALZ 1409	Vegetative	Texas A&M Agrilife Research
25	DALZ 1601	Vegetative	Texas A&M Agrilife Research
26	DALZ 1603	Vegetative	Texas A&M Agrilife Research
27	DALZ 1613	Vegetative	Texas A&M Agrilife Research
28	DALZ 1614	Vegetative	Texas A&M Agrilife Research
29	DALZ 1701	Vegetative	Texas A&M Agrilife Research
30	DALZ 1707	Vegetative	Texas A&M Agrilife Research
*31	FAES 1319	Vegetative	Standard Entry
32	FAES 1335	Vegetative	University of Florida
33	FZ 1327	Vegetative	University of Florida
34	FZ 1407	Vegetative	University of Florida
35	FZ 1721	Vegetative	University of Florida
36	FZ 1722	Vegetative	University of Florida
37	FZ 1723	Vegetative	University of Florida
38	FZ 1728	Vegetative	University of Florida
39	FZ 1732	Vegetative	University of Florida

* COMMERCIALLY AVAILABLE IN THE USA IN 2021

TABLE A. 2020 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2019 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	-	6.6-7.0	0-60	0-150	-	FULL SUN	1.1-1.5	-
CA3	SANDY LOAM	7.1-7.5	0-60	241-375	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
FL1	-	-	-	-	-	-	-	-
FL3	SANDY LOAM	4.6-5.5	151-270	0-150	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
FL5	SAND	6.6-7.0	-	-	-	FULL SUN	0.6-1.0	TO PREVENT STRESS
GA1	SANDY LOAM	5.6-6.0	0-60	151-240	-	FULL SUN	0.6-1.0	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	6.6-7.0	-	-	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
KS1	SILTY CLAY LOAM	7.1-7.5	61-150	0-150	1.1-2.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY
MO1	-	-	-	-	-	-	-	-
NC1	SANDY LOAM	6.6-7.0	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
OK1	LOAM	7.1-7.5	0-60	241-375	4.1-5.0	FULL SUN	1.1-1.5	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 LOAM	7.6-8.5	151-270	241-375	3.1-4.0	FULL SUN	2.6-3.0	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 2020

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
AR1						X	X	X	X				X	X	X
CA3	X	X	X	X	X	X	X	X	X	X	X	X	X		X
FL1		X	X			X		X	X	X	X	X	X		X
FL3								X	X				X		X
FL5							X	X	X	X	X	X			
GA1				X	X	X	X	X	X	X			X		
IN1					X	X	X	X	X	X			X	X	X
KS1								X	X					X	X
MO1						X	X	X	X	X					
NC1							X	X	X	X	X		X	X	X
OK1					X	X	X	X	X	X	X		X	X	X
TN1				X	X	X	X	X	X	X			X	X	X
TX1				X	X	X	X	X	X	X			X	X	X
TX2					X	X	X	X	X	X			X		X

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2020

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	DROUGHT WILTING	TOLERANCE RECOVERY	ZOYSIA MITE
AL1								X			
AR1				X		X					
CA3											X
FL1								X			
FL3											
FL5						X					
GA1											
IN1				X	X	X					
KS1									X		
MO1				X							
NC1				X	X	X	X	X			
OK1											
TN1	X	X	X	X	X	X					
TX1							X		X	X	
TX2											

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2020

LOCATION	FALL COLOR RETENTIOSN RATINGS SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	SEEDHEAD RATINGS	SEEDHEAD SPRING	SEEDHEAD FALL	LARGE PATCH	PERCENT ESTABLISH-MENT	ADDTIONAL ESTABLISHMENT DATA 2019	2020
AL1			X						X	X	X
AR1		X									
CA3			X	X	X	X	X			X	X
FL1					X					X	X
FL3										X	X
FL5											
GA1	X	X								X	
IN1		X	X							X	
KS1			X							X	X
MO1											
* NC1			X		X						
OK1		X	X	X	X						X
TN1											
TX1								X			X
TX2											

* MORE TRAFFIC DATA FOR NC1 IN TABLE 5 AND 2019 DATA TABLE FOR CA3 IN TABLE 34.

TABLE 1. TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2020 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	FL1	AL1	TN1	OK1	MEAN
FZ 1727	9	6.8	5.7	5.8	6.5	6.2
FZ 1732	39	6.8	5.8	5.6	6.4	6.2
* FAES 1319	31	6.7	5.3	5.9	6.4	6.1
FZ 1440	7	6.8	5.5	5.6	6.3	6.0
DALZ 1614	28	6.6	5.5	5.6	6.3	6.0
FZ 1436	10	6.8	5.5	5.4	6.2	6.0
FZ 1722	36	6.7	5.1	5.7	6.2	5.9
* ZEON	3	6.5	5.4	5.6	6.2	5.9
* EMERALD	2	6.5	5.5	5.5	6.2	5.9
FZ 1367	6	6.7	5.3	5.4	6.1	5.9
16-TZ-12783	12	6.5	5.2	5.5	6.1	5.8
DALZ 1701	29	6.5	5.5	5.3	6.1	5.8
FZ 1422	8	6.4	5.0	5.7	6.1	5.8
DALZ 1808	21	6.4	5.1	5.6	6.1	5.8
* EMPIRE	15	6.4	4.8	5.8	6.1	5.8
DALZ 1408	23	6.6	5.5	5.0	6.0	5.8
FAES 1335	32	6.5	5.0	5.5	6.0	5.8
FZ 1410	4	6.4	4.6	5.9	6.1	5.8
DALZ 1613	27	6.4	5.3	5.3	6.0	5.8
DALZ 1707	30	6.4	4.8	5.7	6.1	5.7
16-TZ-13463	13	6.4	5.1	5.4	6.0	5.7
DALZ 1603	26	6.4	4.4	6.0	6.0	5.7
15-TZ-11715	11	6.3	5.0	5.5	6.0	5.7
FZ 1723	37	6.3	4.8	5.6	6.0	5.7
DALZ 1311	22	6.4	4.3	6.0	6.0	5.7
DALZ 1713	16	6.4	5.2	5.1	5.9	5.6
FZ 1407	34	6.3	4.2	5.9	5.9	5.6
UGA GZ 17-4	14	6.4	5.1	5.0	5.8	5.6
DALZ 1802	18	6.4	5.0	5.0	5.7	5.5
FZ 1327	33	6.2	4.2	5.8	5.8	5.5
DALZ 1601	25	6.2	4.2	5.8	5.8	5.5
FZ 1368	5	6.4	4.8	5.1	5.7	5.5
DALZ 1806	19	6.3	4.8	5.1	5.7	5.5
DALZ 1409	24	6.1	5.0	4.6	5.6	5.3
FZ 1728	38	6.0	4.5	5.1	5.6	5.3
DALZ 1714	17	6.1	4.6	4.8	5.4	5.2
FZ 1721	35	6.1	4.6	4.7	5.4	5.2
* MEYER	1	5.5	3.9	4.8	5.1	4.8
DALZ 1807	20	5.4	4.3	4.0	4.9	4.6
LSD VALUE		1.0	1.0	1.0	1.0	1.0
C.V. (%)		9.7	12.5	11.5	10.4	10.9

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2021
**/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF
1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2. TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2020 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	FL5	AR1	CA3	MEAN
DALZ 1408	23	8.2	7.9	6.7	7.6
FZ 1436	10	8.2	7.8	6.7	7.6
FZ 1440	7	8.1	7.6	6.5	7.4
DALZ 1802	18	8.1	7.5	6.5	7.4
FZ 1367	6	8.1	7.6	6.5	7.4
FZ 1368	5	8.0	7.3	6.4	7.3
FZ 1727	9	7.9	7.4	6.3	7.2
DALZ 1713	16	7.9	7.4	6.3	7.2
FZ 1732	39	7.8	7.5	6.2	7.2
UGA GZ 17-4	14	7.8	7.4	6.3	7.2
DALZ 1409	24	7.7	7.4	6.2	7.1
FZ 1722	36	7.9	7.2	6.2	7.1
DALZ 1806	19	7.8	7.1	6.2	7.0
FZ 1721	35	7.7	7.1	6.1	7.0
DALZ 1614	28	7.7	7.2	6.0	7.0
FAES 1335	32	7.7	7.0	6.0	6.9
16-TZ-12783	12	7.7	7.1	6.0	6.9
DALZ 1701	29	7.5	7.2	6.0	6.9
16-TZ-13463	13	7.6	7.1	6.0	6.9
FAES 1319	31	7.7	7.0	5.9	6.9
DALZ 1714	17	7.6	7.0	6.0	6.9
DALZ 1613	27	7.5	7.1	5.9	6.8
EMERALD	2	7.4	7.0	5.8	6.7
ZEON	3	7.4	6.9	5.7	6.7
FZ 1723	37	7.4	6.6	5.6	6.5
15-TZ-11715	11	7.3	6.7	5.6	6.5
FZ 1422	8	7.4	6.6	5.6	6.5
DALZ 1808	21	7.3	6.7	5.6	6.5
FZ 1728	38	7.3	6.5	5.5	6.4
EMPIRE	15	7.4	6.5	5.5	6.4
FZ 1410	4	7.4	6.3	5.4	6.4
DALZ 1707	30	7.2	6.4	5.4	6.4
DALZ 1603	26	7.4	6.2	5.4	6.3
DALZ 1807	20	6.9	6.5	5.4	6.2
DALZ 1311	22	7.3	6.1	5.3	6.2
FZ 1407	34	7.2	6.0	5.2	6.1
FZ 1327	33	7.2	6.0	5.2	6.1
DALZ 1601	25	7.1	5.9	5.1	6.0
MEYER	1	6.6	5.8	4.8	5.8
LSD VALUE		1.0	1.0	1.0	1.0
C.V. (%)		8.2	9.0	10.5	9.1

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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. TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2020 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	IN1	MO1	KS1	MEAN
ZEON	3	7.1	5.8	8.6	7.2
EMERALD	2	6.7	5.8	8.4	7.0
DALZ 1808	21	7.1	5.0	7.7	6.6
FAES 1319	31	7.1	5.0	7.5	6.5
FZ 1422	8	7.2	4.8	7.5	6.5
DALZ 1707	30	7.5	4.5	7.3	6.5
FZ 1732	39	5.8	5.6	7.8	6.4
DALZ 1614	28	6.2	5.3	7.6	6.3
FZ 1727	9	5.8	5.2	7.2	6.1
15-TZ-11715	11	6.4	4.7	7.1	6.0
EMPIRE	15	7.4	4.0	6.6	6.0
DALZ 1701	29	5.3	5.3	7.4	6.0
FZ 1410	4	7.6	3.5	6.1	5.7
DALZ 1613	27	5.2	4.7	6.6	5.5
DALZ 1603	26	7.7	3.1	5.6	5.5
FZ 1407	34	7.8	2.9	5.5	5.4
FZ 1723	37	6.2	3.8	6.0	5.3
DALZ 1601	25	7.6	2.8	5.4	5.3
DALZ 1311	22	7.6	2.7	5.2	5.2
16-TZ-12783	12	5.1	4.2	5.9	5.1
FZ 1327	33	7.3	2.6	5.1	5.0
16-TZ-13463	13	4.8	4.0	5.7	4.9
FZ 1722	36	5.0	3.4	4.9	4.4
FAES 1335	32	4.6	3.3	4.8	4.2
FZ 1440	7	3.9	3.7	4.8	4.1
MEYER	1	5.1	2.6	4.6	4.1
FZ 1728	38	4.3	2.8	4.3	3.8
FZ 1367	6	3.1	3.3	4.1	3.5
FZ 1436	10	2.7	3.5	4.2	3.4
DALZ 1713	16	2.4	3.0	3.7	3.1
UGA GZ 17-4	14	2.3	2.8	3.5	2.9
DALZ 1408	23	1.4	3.2	3.5	2.7
DALZ 1409	24	1.3	2.8	3.2	2.4
DALZ 1806	19	2.2	2.1	2.6	2.3
DALZ 1807	20	1.3	2.4	3.1	2.2
DALZ 1714	17	1.7	2.0	2.5	2.1
DALZ 1802	18	0.8	1.8	1.7	1.4
FZ 1721	35	1.0	1.5	1.5	1.3
FZ 1368	5	1.2	1.3	1.3	1.3
LSD VALUE		1.0	1.0	1.0	1.0
C.V. (%)		12.7	17.1	11.7	13.5

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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 4. TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2020 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	GA1	FL3	MEAN
FZ 1722	36	5.9	6.6	6.2
FZ 1440	7	5.9	6.5	6.2
DALZ 1311	22	5.8	6.6	6.2
FAES 1319	31	5.9	6.5	6.2
DALZ 1603	26	5.8	6.5	6.2
FZ 1727	9	5.8	6.5	6.1
FZ 1410	4	5.8	6.5	6.1
FZ 1436	10	5.7	6.4	6.1
FZ 1407	34	5.7	6.4	6.1
FZ 1367	6	5.7	6.4	6.1
EMPIRE	15	5.7	6.4	6.0
FZ 1732	39	5.7	6.3	6.0
FZ 1327	33	5.6	6.4	6.0
FAES 1335	32	5.7	6.4	6.0
DALZ 1614	28	5.6	6.3	6.0
DALZ 1601	25	5.6	6.3	5.9
16-TZ-12783	12	5.6	6.3	5.9
FZ 1368	5	5.5	6.3	5.9
FZ 1422	8	5.6	6.2	5.9
DALZ 1707	30	5.6	6.2	5.9
FZ 1723	37	5.5	6.2	5.9
DALZ 1408	23	5.5	6.2	5.8
DALZ 1802	18	5.5	6.2	5.8
16-TZ-13463	13	5.5	6.2	5.8
DALZ 1808	21	5.5	6.1	5.8
ZEON	3	5.5	6.1	5.8
DALZ 1806	19	5.4	6.1	5.8
DALZ 1713	16	5.4	6.1	5.8
EMERALD	2	5.5	6.1	5.8
UGA GZ 17-4	14	5.4	6.1	5.7
DALZ 1613	27	5.4	6.1	5.7
15-TZ-11715	11	5.4	6.0	5.7
DALZ 1701	29	5.4	6.0	5.7
FZ 1728	38	5.2	5.9	5.5
FZ 1721	35	5.2	5.9	5.5
DALZ 1714	17	5.1	5.8	5.5
DALZ 1409	24	5.1	5.8	5.4
MEYER	1	4.8	5.4	5.1
DALZ 1807	20	4.4	5.0	4.7
LSD VALUE		1.0	1.0	1.0
C.V. (%)		11.3	10.0	10.6

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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 5. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER TRAFFIC AT RALEIGH, NC 1/
2020 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL COLOR NOVEMBER	SEEDHEAD	QUALITY RATINGS JUL	AUG	SEP	OCT	NOV	MEAN
DALZ 1601	6.0	4.0	6.0	6.0	8.0	6.3	6.7	7.0	7.0	7.0	6.8
FZ 1407	6.3	3.0	6.0	6.0	6.7	6.3	6.7	7.0	6.7	7.0	6.7
DALZ 1311	6.7	3.7	6.0	6.0	7.3	6.7	7.0	7.0	6.0	6.3	6.6
FZ 1410	6.3	2.7	6.0	5.3	7.7	7.0	6.7	6.7	6.0	6.7	6.6
EMPIRE	6.7	3.0	6.0	5.7	6.0	6.7	6.3	6.7	6.3	6.7	6.5
DALZ 1603	6.0	4.7	6.0	6.0	7.0	6.3	6.7	7.0	5.7	6.3	6.4
FZ 1327	6.0	3.3	6.0	6.0	7.3	6.0	6.3	6.3	5.3	6.3	6.1
FZ 1727	6.7	3.3	8.0	5.7	3.7	6.3	6.0	6.0	6.0	6.0	6.1
DALZ 1614	5.3	4.7	7.7	6.3	4.7	6.0	5.7	6.0	6.0	6.3	6.0
16-TZ-12783	6.3	2.3	7.0	5.3	8.3	6.3	6.3	6.0	5.3	5.7	5.9
FZ 1367	6.3	3.0	8.0	6.3	6.7	5.7	6.0	6.0	5.7	6.3	5.9
15-TZ-11715	6.3	2.7	7.0	6.0	4.0	6.0	6.0	6.3	5.3	5.3	5.8
FZ 1436	6.0	2.7	7.7	6.0	6.3	5.3	5.7	5.7	6.0	6.3	5.8
FZ 1722	6.3	4.0	8.0	6.3	4.3	5.3	6.0	6.0	5.7	6.0	5.8
FZ 1732	6.0	3.3	8.0	6.0	5.7	5.7	5.7	5.7	5.7	6.3	5.8
FAES 1319	6.7	4.3	6.3	6.0	8.0	5.7	6.0	6.0	5.3	5.3	5.7
FAES 1335	6.0	4.0	7.0	5.7	8.3	5.3	6.0	5.7	5.7	6.0	5.7
16-TZ-13463	6.3	2.3	7.7	6.7	8.3	4.3	5.3	6.3	5.7	6.3	5.6
FZ 1440	6.0	2.3	8.0	5.3	5.7	6.3	6.0	5.7	5.0	5.0	5.6
DALZ 1802	6.7	3.0	9.0	7.7	6.3	4.0	4.7	6.0	6.0	6.3	5.4
DALZ 1713	6.3	3.7	7.0	6.7	7.0	4.7	4.7	5.0	5.7	6.0	5.2
UGA GZ 17-4	6.3	3.3	9.0	6.7	6.0	4.7	5.3	5.0	5.3	5.7	5.2
DALZ 1701	7.0	2.7	6.7	6.0	4.0	4.0	4.7	5.3	5.3	6.0	5.1
DALZ 1714	6.0	4.7	7.3	6.3	6.3	4.3	4.7	5.3	5.3	6.0	5.1
DALZ 1707	6.3	3.7	7.0	6.0	6.3	4.0	4.7	5.3	5.3	5.7	5.0
FZ 1723	5.3	3.7	7.0	5.7	8.7	5.0	5.0	5.0	4.7	5.3	5.0
DALZ 1409	6.3	4.3	8.7	7.0	6.0	4.3	4.7	4.7	5.0	5.7	4.9
DALZ 1808	5.7	4.0	6.7	5.7	8.3	3.7	4.3	5.3	5.3	6.0	4.9
FZ 1422	6.3	2.0	7.0	5.7	5.0	6.0	5.7	5.3	3.7	4.0	4.9
DALZ 1408	6.7	3.0	8.0	6.3	7.0	4.3	4.3	4.7	4.7	5.3	4.7
DALZ 1613	5.7	3.3	7.0	5.7	5.3	4.3	4.3	4.7	5.0	5.3	4.7
FZ 1368	6.0	2.3	8.3	6.3	7.7	3.3	3.7	4.7	5.7	6.3	4.7
DALZ 1806	6.3	3.3	9.0	6.7	3.7	3.3	4.0	5.0	5.0	5.3	4.5
FZ 1728	6.7	2.3	8.3	5.3	3.0	5.0	5.0	4.7	4.0	4.0	4.5
ZEON	5.7	3.0	7.7	5.7	5.7	4.3	4.7	5.0	4.0	4.7	4.5
EMERALD	6.0	3.0	7.7	6.0	7.0	4.0	4.3	4.7	4.3	4.3	4.3
MEYER	6.7	2.3	6.7	5.0	8.0	2.7	4.0	4.3	4.0	4.7	3.9
FZ 1721	6.7	2.3	8.3	5.0	5.0	3.0	3.3	4.0	4.0	4.3	3.7
DALZ 1807	6.7	2.7	9.0	6.7	9.0	2.0	2.3	2.7	2.7	3.3	2.6
LSD VALUE	2.0	0.9	0.6	1.0	1.6	1.4	1.1	0.9	1.1	1.0	0.8
C.V. (%)	10.1	17.9	5.5	9.2	15.8	18.0	13.5	10.7	12.5	11.1	10.2

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
(CONT'D) GROWN UNDER TRAFFIC AT RALEIGH, NC 1/
2020 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

	PERCENT GROUND COVER MAY-AUGUST				TRAFFIC PERCENT COVER									
					SEPTEMBER 30		OCTOBER 9		OCTOBER 16		OCTOBER 26		NOVEMBER 2	
NAME	MAY 15	JUNE 22	JULY 10	AUG 14	NO TRAFF	TRAFFIC	NO TRAFF	TRAFFIC	NO TRAFF	TRAFFIC	NO TRAFF	TRAFFIC	NO TRAFF	TRAFFIC
DALZ 1601	40.0	65.0	83.3	94.3	99.0	95.0	99.0	89.7	99.0	84.7	99.0	77.3	99.0	67.3
FZ 1407	50.0	73.3	90.0	95.7	99.0	90.0	99.0	87.3	99.0	83.0	99.0	74.0	99.0	64.0
DALZ 1311	53.3	76.7	90.0	97.7	99.0	88.3	99.0	85.7	99.0	79.3	99.0	73.3	99.0	63.3
FZ 1410	53.3	76.7	88.3	97.7	99.0	90.0	99.0	85.7	99.0	80.0	99.0	70.0	99.0	60.0
EMPIRE	61.7	80.0	93.3	97.7	99.0	91.7	99.0	88.0	99.0	83.0	99.0	77.3	99.0	67.3
DALZ 1603	45.0	75.0	85.0	96.3	99.0	93.3	99.0	90.3	99.0	84.7	99.0	76.7	99.0	67.7
FZ 1327	35.0	56.7	75.0	91.0	99.0	88.3	99.0	85.7	99.0	79.0	99.0	73.3	99.0	64.0
FZ 1727	36.7	66.7	83.3	93.3	97.7	85.0	97.7	83.0	97.7	79.3	97.7	71.3	97.7	62.3
DALZ 1614	33.3	60.0	80.0	90.0	98.3	93.3	98.3	93.3	98.3	89.0	98.3	84.0	98.3	76.7
16-TZ-12783	46.7	70.0	88.3	97.0	99.0	86.7	99.0	83.3	99.0	78.3	99.0	69.0	99.0	60.0
FZ 1367	21.7	45.0	60.0	81.7	97.7	90.0	97.7	87.3	97.7	84.0	97.7	78.3	99.0	71.3
15-TZ-11715	38.3	68.3	85.0	91.7	98.3	85.0	98.3	82.3	98.3	79.3	98.3	74.0	98.3	63.3
FZ 1436	26.7	51.7	68.3	86.7	99.0	86.7	99.0	85.0	99.0	79.3	99.0	75.0	99.0	66.0
FZ 1722	21.7	41.7	63.3	86.7	99.0	91.7	99.0	90.0	99.0	85.0	99.0	79.0	99.0	71.3
FZ 1732	36.7	61.7	80.0	90.0	97.7	86.7	97.7	85.7	97.7	80.0	97.7	72.3	97.7	65.0
FAES 1319	31.7	43.3	66.7	83.3	99.0	88.3	99.0	87.3	99.0	82.3	99.0	73.3	99.0	66.7
FAES 1335	40.0	58.3	78.3	90.0	99.0	86.7	99.0	85.0	99.0	80.0	99.0	72.3	99.0	63.0
16-TZ-13463	33.3	48.3	65.0	88.3	99.0	91.7	99.0	89.0	99.0	85.7	99.0	81.7	99.0	73.3
FZ 1440	35.0	60.0	75.0	88.3	99.0	86.7	99.0	83.3	99.0	78.3	99.0	73.3	99.0	64.0
DALZ 1802	11.3	26.7	45.0	70.0	99.0	95.0	99.0	95.0	99.0	93.3	99.0	89.7	99.0	81.7
DALZ 1713	15.7	35.0	53.3	80.0	99.0	93.3	99.0	93.3	99.0	89.7	99.0	84.7	99.0	75.0
UGA GZ 17-4	20.0	36.7	58.3	81.7	99.0	91.7	99.0	90.0	99.0	85.7	99.0	81.7	99.0	73.0
DALZ 1701	35.0	56.7	78.3	91.7	99.0	93.3	99.0	92.3	99.0	89.0	99.0	83.0	99.0	75.7
DALZ 1714	28.3	41.7	65.0	83.3	99.0	95.0	99.0	95.0	99.0	93.0	99.0	87.3	99.0	77.7
DALZ 1707	30.0	43.3	61.7	81.7	99.0	90.0	99.0	87.3	99.0	81.7	99.0	76.7	99.0	68.0
FZ 1723	21.7	41.7	63.3	80.0	99.0	86.7	99.0	82.3	99.0	78.3	99.0	73.3	99.0	66.0
DALZ 1409	21.7	35.0	56.7	81.7	99.0	91.7	99.0	91.7	99.0	89.0	99.0	84.0	99.0	75.0
DALZ 1808	31.7	53.3	68.3	89.7	99.0	88.3	99.0	84.0	99.0	80.0	99.0	74.0	99.0	65.0
FZ 1422	31.7	60.0	80.0	90.0	98.3	90.0	98.3	84.0	98.3	78.3	98.3	70.0	98.3	60.7
DALZ 1408	17.3	38.3	56.7	81.7	99.0	86.7	99.0	85.7	99.0	82.3	99.0	78.0	99.0	68.3
DALZ 1613	28.3	48.3	65.0	81.7	97.7	91.7	97.7	89.7	97.7	87.3	97.7	82.3	97.7	73.3
FZ 1368	14.0	23.3	38.3	66.7	99.0	93.3	99.0	93.3	99.0	92.3	99.0	86.3	99.0	76.7
DALZ 1806	15.0	25.0	40.0	65.0	99.0	91.7	99.0	91.7	99.0	87.0	99.0	84.0	99.0	76.0
FZ 1728	19.3	36.7	56.7	81.7	97.7	88.3	97.7	85.0	97.7	78.3	97.7	70.0	98.3	60.0
ZEON	35.0	51.7	68.3	81.7	99.0	85.0	99.0	80.0	99.0	76.0	99.0	69.0	99.0	61.7
EMERALD	26.7	43.3	61.7	78.3	99.0	90.0	99.0	85.7	99.0	81.0	99.0	75.0	99.0	68.3
MEYER	15.7	28.3	40.0	63.3	95.3	85.0	95.3	81.7	95.3	77.0	95.3	70.0	95.3	60.0
FZ 1721	16.7	30.0	48.3	75.0	99.0	86.7	99.0	83.7	99.0	79.3	99.0	74.0	99.0	68.3
DALZ 1807	8.7	20.0	33.3	56.7	95.0	86.7	94.0	83.3	94.0	79.3	94.0	73.3	94.0	65.0
LSD VALUE	11.4	15.1	14.6	9.6	1.9	5.2	1.9	6.0	1.9	5.2	1.9	5.7	1.6	6.1
C.V. (%)	24.5	19.7	14.1	7.3	1.0	3.3	1.1	4.1	1.1	4.0	1.1	4.8	0.9	5.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
3/ TRAFFIC PERCENT COVER FIRST RUN WAS SEPTEMBER 15,2020. TRAFFIC WAS CONDUCTED FOR 7 WEEKS, 3x/WEEK WITH 2 PASSES CONDUCTED EACH DAY OF TRAFFIC SIMULATION.

TABLE 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER DROUGHT AT DALLAS, TX 1/
2020 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
FAES 1319	6.7	2.3	6.3	7.0	8.3	9.0	6.3	7.0	8.7	8.0	7.8
DALZ 1311	6.3	1.3	5.0	5.7	7.0	8.7	7.0	7.3	8.0	8.7	7.5
FZ 1410	6.7	1.0	5.3	5.3	7.0	8.3	6.0	7.3	9.0	8.7	7.4
EMPIRE	7.0	1.0	4.7	6.3	7.7	8.7	5.0	6.3	8.3	8.3	7.2
FZ 1436	6.0	4.0	8.0	5.3	7.3	8.7	7.0	6.7	7.3	8.0	7.2
FZ 1440	4.3	3.7	8.0	6.0	7.3	8.7	7.3	6.7	7.0	7.7	7.2
FZ 1407	7.0	2.0	4.3	5.0	7.0	8.0	6.7	7.0	8.3	7.7	7.1
DALZ 1601	5.7	1.7	5.3	5.3	6.7	8.7	6.3	6.0	7.7	8.0	7.0
DALZ 1603	6.0	2.0	5.0	4.3	7.0	8.3	6.0	6.3	8.3	8.3	7.0
DALZ 1701	7.3	1.0	6.3	5.7	7.3	7.7	5.7	6.3	8.3	7.7	7.0
DALZ 1713	6.0	2.7	7.0	6.0	7.7	7.7	6.7	7.0	7.3	6.7	7.0
FZ 1422	7.7	1.0	6.3	6.3	7.7	8.3	5.3	6.7	7.7	7.3	7.0
FZ 1732	5.7	2.3	7.3	6.0	7.0	7.3	6.7	6.3	7.7	7.7	7.0
DALZ 1408	6.0	3.3	8.0	6.3	7.3	7.7	6.3	6.0	7.0	7.7	6.9
DALZ 1614	5.3	3.3	7.0	7.7	7.0	8.0	5.7	6.3	6.3	6.7	6.8
DALZ 1714	5.7	4.0	6.7	4.7	6.3	7.0	6.7	7.3	8.3	7.3	6.8
16-TZ-12783	5.7	2.0	6.7	5.0	7.3	8.0	5.3	6.0	8.0	7.0	6.7
DALZ 1613	5.0	4.3	7.0	6.0	6.3	7.0	6.3	6.7	6.7	7.7	6.7
DALZ 1802	7.3	2.7	9.0	6.0	7.3	7.7	5.0	6.0	7.7	7.3	6.7
FZ 1367	5.3	3.3	8.0	6.7	7.3	8.3	5.7	5.3	6.3	7.3	6.7
DALZ 1707	5.3	1.0	6.3	5.3	6.7	7.3	5.0	6.0	7.7	7.3	6.5
UGA GZ 17-4	7.3	4.0	9.0	6.3	7.3	8.3	5.0	5.3	6.7	6.3	6.5
FZ 1722	6.3	3.7	8.0	5.7	6.0	6.3	5.7	5.3	8.0	7.0	6.3
FZ 1727	6.0	1.7	8.0	5.7	7.3	8.0	4.7	5.0	7.3	6.3	6.3
EMERALD	7.7	2.0	7.3	7.0	7.3	7.3	5.0	5.3	6.0	5.3	6.2
DALZ 1409	7.3	4.3	9.0	6.3	7.7	7.3	4.7	5.0	6.0	6.0	6.1
DALZ 1808	5.0	3.0	6.3	4.7	6.7	7.3	5.0	5.7	7.3	6.3	6.1
ZEON	5.3	2.0	7.7	5.3	6.0	6.7	5.3	5.3	7.3	7.0	6.1
FZ 1327	6.7	2.0	5.7	5.0	7.3	7.7	3.7	4.7	6.7	7.3	6.0
15-TZ-11715	6.3	1.3	7.0	5.7	5.7	7.0	4.0	5.0	6.7	7.3	5.9
FZ 1368	4.7	3.0	7.7	4.3	6.7	6.0	5.0	5.3	6.7	6.7	5.8
FZ 1723	5.7	1.7	7.7	5.3	6.3	7.7	3.3	4.7	6.7	6.3	5.8
FAES 1335	5.3	3.3	7.7	5.3	7.0	8.3	3.3	4.0	5.0	6.7	5.7
16-TZ-13463	6.7	1.0	7.7	5.7	6.3	7.0	3.3	3.7	5.7	5.0	5.2
FZ 1721	5.7	2.7	7.7	5.0	7.0	7.0	3.3	3.7	5.3	5.0	5.2
DALZ 1806	7.0	3.0	8.0	4.7	6.7	6.0	3.0	4.3	5.3	5.0	5.0
DALZ 1807	6.3	2.3	9.0	4.0	6.0	7.0	3.3	4.3	5.3	5.3	5.0
FZ 1728	4.7	1.3	9.0	4.0	5.7	6.0	3.3	3.7	6.0	6.3	5.0
MEYER	6.3	1.0	6.3	3.3	4.0	4.3	2.3	2.3	2.7	3.0	3.1
LSD VALUE	1.2	0.7	0.6	1.5	1.0	0.9	1.3	1.1	1.4	1.7	0.7
C.V. (%)	12.2	19.3	6.1	15.7	9.1	7.8	16.3	12.7	12.9	14.8	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 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
(CONT'D) GROWN UNDER DROUGHT AT DALLAS, TX 1/
2020 DATA

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

NAME	FROST TOLERANCE	WILTING	RECOVERY	LARGE PATCH	PERCENT ESTABLISHMENT MARCH-JUNE 2020 MARCH	APRIL	MAY	JUNE
FAES 1319	9.0	6.3	8.7	6.7	56.7	70.0	90.0	38.3
DALZ 1311	8.0	7.0	9.0	5.0	60.0	75.0	93.3	10.0
FZ 1410	7.0	6.0	9.0	4.0	63.3	73.3	86.7	38.3
EMPIRE	5.7	5.3	9.0	7.0	70.0	88.3	66.7	10.0
FZ 1436	9.0	6.0	8.0	5.3	56.7	71.7	91.7	36.7
FZ 1440	8.7	5.3	7.7	5.3	56.7	76.7	88.3	38.3
FZ 1407	8.7	6.7	9.0	4.3	60.0	75.0	90.0	10.0
DALZ 1601	8.3	5.7	8.0	5.0	60.0	73.3	93.3	10.0
DALZ 1603	9.0	6.7	9.0	3.0	46.7	58.3	85.0	66.7
DALZ 1701	6.0	5.0	8.0	7.0	43.3	61.7	78.3	66.7
DALZ 1713	8.7	6.7	7.7	6.0	30.0	46.7	73.3	61.7
FZ 1422	7.7	4.3	8.0	7.0	36.7	55.0	78.3	93.3
FZ 1732	9.0	5.0	7.7	7.0	43.3	63.3	81.7	38.3
DALZ 1408	9.0	5.7	7.7	5.7	40.0	56.7	73.3	65.0
DALZ 1614	9.0	5.3	8.0	7.0	50.0	66.7	80.0	10.0
DALZ 1714	9.0	5.7	7.0	5.0	33.3	43.3	60.0	80.0
16-TZ-12783	9.0	4.0	7.7	8.0	50.0	65.0	58.3	10.0
DALZ 1613	9.0	5.7	7.3	6.7	36.7	53.3	73.3	90.0
DALZ 1802	8.7	4.0	6.3	8.7	20.0	33.3	46.7	73.3
FZ 1367	8.3	5.7	7.0	7.3	43.3	61.7	81.7	66.7
DALZ 1707	8.3	4.7	6.7	6.0	46.7	66.7	85.0	36.7
UGA GZ 17-4	7.0	5.7	7.0	5.7	46.7	61.7	83.3	65.0
FZ 1722	8.7	3.7	7.0	6.0	50.0	60.0	78.3	36.7
FZ 1727	7.0	4.7	8.0	7.7	36.7	58.3	78.3	35.0
EMERALD	9.0	4.0	6.7	8.0	33.3	50.0	65.0	88.3
DALZ 1409	7.7	5.0	7.3	6.7	33.3	48.3	68.3	90.0
DALZ 1808	8.7	4.0	7.3	8.7	46.7	71.7	91.7	10.0
ZEON	8.0	4.0	6.7	6.7	36.7	53.3	75.0	36.7
FZ 1327	8.3	5.0	7.7	7.7	33.3	45.0	70.0	60.0
15-TZ-11715	6.3	3.3	6.3	7.7	36.7	50.0	70.0	61.7
FZ 1368	8.7	2.7	5.7	6.3	30.0	38.3	60.0	83.3
FZ 1723	8.0	2.7	5.3	7.0	33.3	53.3	76.7	88.3
FAES 1335	5.7	3.7	5.3	9.0	50.0	68.3	86.7	10.0
16-TZ-13463	9.0	3.0	5.0	6.7	36.7	50.0	63.3	90.0
FZ 1721	9.0	2.7	6.0	7.7	16.7	26.7	36.7	53.3
DALZ 1806	8.3	3.3	6.3	6.7	23.3	28.3	46.7	63.3
DALZ 1807	9.0	2.7	6.3	8.7	13.3	16.7	30.0	48.3
FZ 1728	9.0	2.7	6.0	6.0	30.0	43.3	68.3	91.7
MEYER	7.3	2.3	3.3	8.7	20.0	25.0	36.7	55.0
LSD VALUE	2.2	1.2	1.0	3.3	14.4	14.4	21.7	63.1
C.V. (%)	13.7	16.5	9.2	24.4	22.3	16.8	18.2	62.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER SHADE AT COLLEGE STATION, TX 1/
2020 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DALZ 1807	7.5	8.0	7.0	7.5	7.0	7.5	7.0	7.5	7.3
DALZ 1802	8.0	7.7	6.3	7.3	7.0	8.0	7.0	7.7	7.2
UGA GZ 17-4	7.7	7.0	6.3	7.0	7.7	7.3	6.7	7.3	7.1
DALZ 1408	7.7	6.7	6.3	7.0	7.0	7.0	7.0	7.0	6.9
DALZ 1409	7.0	7.0	6.3	7.0	7.0	7.0	6.7	7.3	6.9
FZ 1436	7.7	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.9
FZ 1722	7.0	6.7	7.0	6.7	7.0	7.3	7.0	6.7	6.9
DALZ 1806	7.0	7.5	6.5	7.0	6.0	7.5	6.5	7.5	6.8
FZ 1367	7.0	7.0	6.0	6.3	7.0	7.3	7.0	7.0	6.8
FZ 1440	7.3	7.0	5.7	6.7	7.0	7.7	7.0	7.0	6.8
FZ 1727	6.7	6.3	6.7	7.0	7.0	6.7	7.0	6.7	6.8
15-TZ-11715	7.0	6.0	6.3	6.7	7.0	7.0	6.7	6.7	6.7
16-TZ-12783	7.3	5.3	6.0	6.3	6.7	7.0	7.0	7.0	6.7
EMERALD	7.0	6.3	6.7	6.7	7.0	7.0	6.3	6.7	6.7
FZ 1368	7.0	7.3	6.0	6.7	6.7	6.7	7.0	7.0	6.7
FZ 1721	7.3	7.0	6.0	6.3	7.0	6.7	7.0	7.0	6.7
FZ 1732	6.7	6.3	7.0	6.3	6.7	7.0	7.0	6.3	6.7
16-TZ-13463	7.7	6.7	6.3	6.3	6.3	7.0	6.7	7.0	6.6
DALZ 1614	7.3	6.3	5.7	6.3	6.7	7.0	7.0	7.0	6.6
DALZ 1714	7.3	5.7	6.7	6.3	7.0	6.0	6.7	7.0	6.6
FZ 1723	7.0	6.7	6.0	6.0	7.0	7.0	7.0	6.3	6.6
FZ 1728	6.3	7.3	5.7	6.3	6.7	7.0	7.0	6.7	6.6
ZEON	7.3	6.3	6.0	6.3	6.7	6.7	6.7	7.3	6.6
DALZ 1713	6.7	6.0	7.0	6.3	6.3	6.0	6.7	6.7	6.5
FAES 1319	7.0	5.3	6.3	6.3	6.7	6.3	6.7	6.7	6.5
FAES 1335	7.0	6.3	6.0	6.0	6.7	7.0	7.0	6.3	6.5
FZ 1407	6.7	5.0	6.7	6.0	6.7	6.0	6.7	7.0	6.5
DALZ 1311	6.7	5.0	6.7	6.0	6.7	6.0	6.3	6.7	6.4
DALZ 1601	6.0	5.0	6.7	6.0	6.0	6.0	6.7	6.7	6.3
DALZ 1603	6.3	5.0	6.3	6.0	6.3	6.0	6.7	6.7	6.3
DALZ 1613	6.3	6.3	6.0	6.0	6.7	6.3	6.3	6.7	6.3
DALZ 1707	7.0	5.7	6.0	6.0	6.7	6.0	7.0	6.3	6.3
FZ 1410	7.0	5.0	6.0	5.7	6.3	6.0	7.0	7.0	6.3
FZ 1422	6.0	5.0	5.7	6.0	6.7	6.7	6.7	6.0	6.3
EMPIRE	6.7	5.3	6.3	6.0	6.3	6.0	6.7	6.0	6.2
FZ 1327	7.0	5.0	6.0	5.3	6.0	6.3	7.0	6.7	6.2
DALZ 1701	6.7	6.0	5.7	5.7	5.7	6.3	6.7	6.7	6.1
DALZ 1808	7.0	5.3	5.7	5.3	5.7	6.0	6.7	7.0	6.1
MEYER	6.0	5.3	4.3	4.3	4.7	5.7	5.0	5.3	4.9
LSD VALUE	1.3	0.6	1.0	1.0	0.9	0.6	0.8	1.0	0.4
C.V. (%)	8.5	6.9	8.4	8.9	7.3	5.6	6.2	7.6	3.8

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 8. GENETIC COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	AL1	AR1	CA3	FL1	FL3	GA1	IN1	OK1	TN1	MEAN
DALZ 1806	7.7	7.3	8.3	8.7	8.3	6.7	9.0	7.7	5.3	7.7
16-TZ-13463	7.7	7.3	8.0	9.0	7.0	6.7	8.3	7.0	7.3	7.6
FZ 1727	6.0	7.0	7.7	8.3	7.3	7.0	8.3	8.0	8.3	7.6
DALZ 1701	7.0	6.7	8.3	8.7	8.0	7.0	7.3	7.0	7.7	7.5
15-TZ-11715	7.0	5.7	6.0	8.7	8.3	7.0	8.3	8.0	7.0	7.3
DALZ 1409	8.3	7.7	6.3	8.0	6.3	6.3	7.3	8.0	7.0	7.3
FZ 1436	7.7	7.7	7.0	8.0	5.7	6.3	8.3	7.7	7.0	7.3
16-TZ-12783	5.3	7.3	7.7	7.7	6.7	6.7	7.3	8.0	7.3	7.1
DALZ 1408	6.3	7.0	8.0	8.3	6.0	6.7	7.3	8.0	6.3	7.1
FZ 1367	7.0	6.3	6.7	8.0	7.0	6.7	8.0	8.0	6.3	7.1
FZ 1440	5.0	7.3	7.7	7.7	6.7	6.7	8.3	7.7	7.0	7.1
FZ 1728	6.3	6.7	6.7	7.7	7.7	6.7	7.7	7.0	7.7	7.1
FZ 1732	6.0	7.3	6.7	8.0	6.7	7.0	8.3	7.3	6.7	7.1
FZ 1722	4.7	7.3	7.0	7.7	6.0	7.0	8.3	8.0	7.3	7.0
EMPIRE	7.3	5.7	7.0	8.7	7.0	6.7	6.7	6.7	7.7	7.0
EMERALD	6.0	7.0	6.7	7.7	7.0	6.7	7.0	7.0	7.3	6.9
FAES 1319	5.3	6.0	8.0	8.7	7.3	6.3	8.0	7.7	5.0	6.9
DALZ 1802	8.7	7.7	7.7	8.0	7.7	6.7	1.0	8.0	7.0	6.9
MEYER	6.0	6.7	7.0	7.7	7.0	6.0	7.0	7.0	7.7	6.9
UGA GZ 17-4	4.7	6.7	6.0	8.0	7.0	6.7	8.0	7.7	7.3	6.9
FZ 1422	6.3	7.3	6.7	8.0	6.3	6.7	6.7	7.0	7.0	6.9
FZ 1410	5.3	5.7	6.7	8.7	6.3	6.7	7.7	7.3	7.3	6.9
DALZ 1713	6.0	7.0	6.0	7.0	6.0	6.7	8.0	7.7	7.3	6.9
FZ 1327	5.3	6.0	7.7	7.7	7.0	7.0	7.3	6.0	7.3	6.8
DALZ 1614	5.0	7.3	6.7	7.7	6.0	6.7	7.7	7.3	7.0	6.8
DALZ 1311	5.0	5.7	7.7	8.3	6.3	6.3	7.3	6.7	7.7	6.8
DALZ 1707	6.0	6.0	7.0	7.0	6.3	6.7	7.7	6.7	7.7	6.8
DALZ 1613	5.0	6.3	6.7	7.3	6.7	6.0	7.3	7.0	7.7	6.7
FZ 1368	7.3	7.3	7.0	7.3	7.0	6.0	3.0	7.3	7.7	6.7
FZ 1407	5.7	5.7	7.0	7.7	6.0	6.3	7.0	7.0	7.7	6.7
FAES 1335	5.7	6.7	5.7	8.7	6.0	6.7	6.7	7.0	7.0	6.7
DALZ 1714	7.7	7.0	6.0	7.0	5.7	7.3	5.0	7.0	6.7	6.6
DALZ 1601	5.0	5.7	7.3	7.7	6.0	6.3	6.7	6.3	7.7	6.5
ZEON	6.3	6.7	5.0	8.0	6.0	6.7	6.0	6.3	7.7	6.5
DALZ 1603	5.7	5.0	7.3	8.0	6.3	7.0	6.7	6.3	5.3	6.4
DALZ 1807	7.7	7.7	6.0	7.0	8.0	5.7	1.0	8.0	6.0	6.3
FZ 1721	5.7	7.0	7.3	7.7	7.0	6.7	1.0	7.0	7.7	6.3
FZ 1723	4.0	6.0	5.3	6.7	6.3	6.3	7.0	7.0	7.0	6.2
DALZ 1808	4.7	5.0	7.0	6.7	5.3	6.7	6.0	5.3	8.0	6.1
LSD VALUE	1.7	1.2	1.6	1.0	1.1	0.8	1.6	0.9	2.1	0.5
C.V. (%)	17.5	11.3	13.9	8.0	10.0	7.5	14.2	7.3	18.7	12.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 9. SPRING GREENUP RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	AL1	AR1	IN1	KS1	OK1	TN1	MEAN
FAES 1319	7.3	8.3	4.7	7.3	1.3	7.3	6.1
DALZ 1707	5.7	8.7	6.0	8.7	1.0	6.0	6.0
FZ 1407	5.3	8.3	5.3	8.0	2.3	6.0	5.9
ZEON	6.0	7.7	5.3	8.7	2.0	5.7	5.9
FZ 1422	4.7	8.0	6.3	7.3	2.0	6.7	5.8
DALZ 1311	4.3	8.3	5.0	7.7	2.0	7.0	5.7
EMERALD	5.0	8.3	6.0	8.0	1.3	5.7	5.7
DALZ 1701	6.7	8.3	3.7	7.3	2.3	5.7	5.7
FZ 1410	3.3	8.0	5.3	7.3	2.7	7.3	5.7
DALZ 1603	3.7	8.3	5.3	8.0	2.0	6.0	5.6
DALZ 1808	4.7	8.3	5.0	7.7	2.0	4.3	5.3
DALZ 1601	4.7	8.3	5.0	8.0	1.0	4.7	5.3
FZ 1327	5.0	8.0	4.0	8.0	1.3	5.3	5.3
DALZ 1614	5.3	8.7	3.3	7.3	1.0	5.7	5.2
EMPIRE	4.3	8.0	4.3	7.7	1.3	5.7	5.2
MEYER	2.3	8.3	5.3	8.0	1.3	4.0	4.9
FZ 1722	6.0	7.7	2.3	6.7	2.0	4.0	4.8
FZ 1727	4.7	8.0	3.0	7.0	1.3	4.7	4.8
FZ 1723	3.7	8.3	3.7	7.0	1.0	4.3	4.7
15-TZ-11715	3.0	7.3	3.0	7.7	1.0	4.7	4.4
DALZ 1613	4.0	8.0	2.0	6.0	1.7	3.7	4.2
FZ 1732	3.7	7.3	3.0	6.3	1.0	4.0	4.2
16-TZ-12783	4.3	6.0	2.3	6.7	2.0	3.7	4.2
16-TZ-13463	2.7	8.0	2.3	6.7	1.0	4.0	4.1
DALZ 1806	6.3	7.3	2.0	2.3	2.3	3.0	3.9
FAES 1335	3.7	5.3	2.7	5.3	2.3	4.0	3.9
DALZ 1713	5.0	5.7	1.7	3.0	1.7	5.3	3.7
FZ 1728	4.0	6.7	2.3	4.3	1.7	2.3	3.6
FZ 1440	4.7	6.7	1.7	3.3	1.0	4.0	3.6
UGA GZ 17-4	3.3	7.0	2.0	2.3	1.0	5.3	3.5
FZ 1367	4.3	6.0	1.3	2.0	2.7	4.3	3.4
DALZ 1409	5.0	7.3	1.0	2.0	1.3	3.3	3.3
FZ 1436	4.7	5.3	1.3	2.7	1.7	4.0	3.3
DALZ 1408	5.7	4.0	1.0	2.0	1.7	4.7	3.2
DALZ 1714	7.0	2.7	1.0	3.0	1.3	2.7	2.9
FZ 1721	5.0	4.3	1.0	1.0	1.7	3.0	2.7
DALZ 1802	5.0	4.0	1.0	1.0	1.0	3.0	2.5
DALZ 1807	5.0	2.3	1.0	1.0	2.0	2.3	2.3
FZ 1368	4.7	1.3	1.0	1.0	2.0	3.3	2.2
LSD VALUE	1.4	1.5	0.8	1.0	1.3	2.5	0.6
C.V. (%)	18.5	13.4	15.7	10.9	50.6	33.8	21.3

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 10. LEAF TEXTURE RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	AL1	AR1	CA3	FL1	FL3	IN1	KS1	OK1	TN1	MEAN
FZ 1728	7.7	8.3	8.0	4.7	8.3	8.7	9.0	8.0	9.0	8.0
DALZ 1806	8.0	8.3	7.7	3.7	8.3	8.3	8.7	8.0	9.0	7.8
DALZ 1409	7.7	8.0	8.0	3.0	8.7	8.0	8.7	8.0	9.0	7.7
FZ 1440	6.7	8.3	7.7	4.7	7.7	8.0	8.3	8.0	9.0	7.6
FZ 1367	7.3	8.0	7.3	4.0	7.3	8.0	8.3	8.0	9.0	7.5
FZ 1727	6.7	7.0	6.7	6.0	7.3	8.0	8.3	7.7	9.0	7.4
FZ 1436	7.3	8.0	7.0	3.7	7.7	8.0	8.3	8.0	8.3	7.4
DALZ 1408	7.0	7.7	7.0	4.0	7.3	8.0	8.3	7.7	9.0	7.3
UGA GZ 17-4	1.3	8.7	8.0	4.0	8.7	8.3	9.0	8.0	9.0	7.2
16-TZ-13463	5.3	7.0	7.0	5.3	9.0	7.3	7.3	7.3	9.0	7.2
FZ 1723	5.7	7.0	6.7	3.7	8.0	8.0	8.0	7.7	8.7	7.0
ZEON	6.7	6.3	6.7	3.3	7.7	8.0	8.0	7.3	9.0	7.0
EMERALD	5.3	6.3	6.3	4.7	7.7	7.7	8.0	7.7	9.0	7.0
FZ 1722	5.7	6.7	6.7	4.7	6.3	7.0	8.0	7.7	9.0	6.9
FZ 1368	6.3	8.0	7.7	4.7	7.0	3.3	7.5	8.0	9.0	6.8
FZ 1732	6.3	6.3	6.7	5.3	6.3	7.7	7.7	7.0	7.5	6.8
15-TZ-11715	6.0	5.7	5.7	5.3	6.7	7.3	7.7	7.0	8.7	6.7
FAES 1335	4.7	6.7	6.0	5.7	6.0	7.3	7.7	7.7	8.3	6.7
FZ 1721	7.7	7.7	7.3	4.7	8.0	1.0	8.0	8.0	6.0	6.5
DALZ 1802	9.0	9.0	9.0	3.0	7.0	1.0	9.0	8.0	3.0	6.4
DALZ 1613	4.3	5.7	6.0	6.3	6.0	7.0	7.7	7.0	8.0	6.4
DALZ 1614	5.0	6.0	6.0	5.0	5.0	7.0	7.7	7.3	8.0	6.3
DALZ 1713	3.7	6.7	5.7	6.7	4.7	7.0	6.7	7.0	8.3	6.3
DALZ 1714	3.7	5.7	6.0	7.3	5.3	5.7	7.3	7.0	8.3	6.3
FZ 1422	4.3	6.0	5.7	6.3	4.0	7.0	7.0	7.0	8.0	6.1
DALZ 1701	4.0	5.7	5.7	6.7	4.7	7.0	6.7	6.7	7.7	6.1
DALZ 1807	9.0	9.0	9.0	2.7	9.0	1.0	.	8.0	0.0	6.0
DALZ 1707	2.7	5.0	5.7	6.7	4.7	6.7	7.0	7.0	8.0	5.9
MEYER	3.0	5.0	6.0	7.3	4.3	7.0	6.0	7.0	7.7	5.9
16-TZ-12783	2.7	6.0	6.0	7.0	4.0	6.3	5.7	7.0	8.0	5.9
DALZ 1808	3.3	5.3	5.0	6.7	3.0	7.0	6.7	6.3	8.0	5.7
FAES 1319	2.7	5.0	5.0	6.3	3.3	6.7	6.3	6.7	8.3	5.6
EMPIRE	8.3	4.0	3.7	7.3	1.3	6.0	4.0	5.7	6.3	5.2
FZ 1327	1.7	4.0	4.3	7.3	2.7	6.0	4.0	6.0	7.3	4.8
DALZ 1601	1.0	4.3	3.7	7.3	2.3	6.0	4.0	6.7	6.0	4.6
FZ 1410	1.3	4.0	3.7	8.3	1.3	6.0	4.0	6.0	6.0	4.5
DALZ 1311	1.3	4.0	3.7	7.0	2.0	6.0	4.0	6.0	6.0	4.4
FZ 1407	1.0	3.7	3.3	7.3	1.3	6.0	4.0	6.0	7.3	4.4
DALZ 1603	1.3	4.0	3.0	7.7	1.3	6.0	4.0	5.7	6.0	4.3
LSD VALUE	1.0	1.0	0.8	1.3	1.2	1.6	0.7	0.6	2.2	0.4
C.V. (%)	12.0	9.5	7.9	14.8	13.1	14.7	6.5	5.5	17.2	12.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 11. SPRING DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	TN1
FZ 1410	4.0
DALZ 1311	3.7
FAES 1319	3.3
DALZ 1614	3.0
DALZ 1701	3.0
DALZ 1707	3.0
EMPIRE	3.0
FZ 1407	2.7
FZ 1422	2.7
ZEON	2.7
DALZ 1601	2.3
DALZ 1603	2.3
FZ 1327	2.3
FZ 1727	2.3
DALZ 1713	2.0
EMERALD	2.0
15-TZ-11715	1.7
16-TZ-12783	1.7
16-TZ-13463	1.7
DALZ 1613	1.7
DALZ 1807	1.7
DALZ 1808	1.7
FZ 1723	1.7
FZ 1732	1.7
UGA GZ 17-4	1.7
DALZ 1408	1.3
DALZ 1714	1.3
DALZ 1802	1.3
FAES 1335	1.3
FZ 1440	1.3
FZ 1721	1.3
FZ 1722	1.3
FZ 1728	1.3
MEYER	1.3
DALZ 1409	1.0
DALZ 1806	1.0
FZ 1367	1.0
FZ 1368	1.0
FZ 1436	1.0
LSD VALUE	1.4
C.V. (%)	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 12. SUMMER DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	TN1
FZ 1407	6.3
FZ 1410	6.3
DALZ 1707	6.0
DALZ 1714	5.7
EMPIRE	5.0
FZ 1422	5.0
FZ 1436	5.0
FZ 1440	5.0
15-TZ-11715	4.7
DALZ 1603	4.7
DALZ 1808	4.7
FZ 1327	4.7
16-TZ-12783	4.3
DALZ 1613	4.3
DALZ 1701	4.3
DALZ 1802	4.3
DALZ 1806	4.3
FZ 1367	4.3
FZ 1722	4.3
DALZ 1614	4.0
DALZ 1807	4.0
FAES 1319	4.0
DALZ 1311	3.7
EMERALD	3.7
FZ 1368	3.7
FZ 1732	3.7
16-TZ-13463	3.3
DALZ 1408	3.0
FAES 1335	3.0
FZ 1721	3.0
FZ 1723	3.0
FZ 1728	3.0
MEYER	2.7
DALZ 1601	2.3
FZ 1727	2.3
UGA GZ 17-4	2.3
ZEON	2.3
DALZ 1409	2.0
DALZ 1713	1.7
LSD VALUE	3.7
C.V. (%)	58.3

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 13. FALL DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	TN1
16-TZ-13463	7.3
EMERALD	6.0
FZ 1732	6.0
DALZ 1701	5.3
DALZ 1806	5.3
DALZ 1603	5.0
DALZ 1707	5.0
DALZ 1713	5.0
FZ 1422	5.0
FZ 1723	5.0
MEYER	5.0
15-TZ-11715	4.7
DALZ 1409	4.7
DALZ 1714	4.7
DALZ 1808	4.7
FZ 1722	4.7
FZ 1728	4.7
DALZ 1311	4.3
DALZ 1408	4.3
DALZ 1613	4.3
FAES 1319	4.3
FZ 1368	4.3
UGA GZ 17-4	4.3
ZEON	4.3
DALZ 1614	4.0
FAES 1335	4.0
16-TZ-12783	3.7
DALZ 1601	3.7
DALZ 1802	3.7
EMPIRE	3.7
FZ 1327	3.7
FZ 1407	3.7
FZ 1410	3.7
FZ 1436	3.7
FZ 1721	3.7
FZ 1727	3.7
FZ 1367	3.0
FZ 1440	3.0
DALZ 1807	2.7
LSD VALUE	2.4
C.V. (%)	34.1

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 14. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AR1	IN1	MO1	TN1	MEAN
EMERALD	90.0	81.7	56.7	45.7	68.5
FZ 1410	90.0	90.0	30.0	63.7	68.4
ZEON	83.3	78.3	56.7	45.3	65.9
EMPIRE	83.3	91.7	40.0	48.3	65.8
DALZ 1603	90.0	85.0	28.3	50.7	63.5
FZ 1422	86.7	71.7	33.3	57.7	62.3
FAES 1319	88.3	63.3	31.7	63.0	61.6
DALZ 1311	86.7	83.3	10.0	60.7	60.2
DALZ 1707	88.3	81.7	20.0	50.7	60.2
FZ 1407	85.0	81.7	21.7	50.3	59.7
DALZ 1614	90.0	50.0	38.3	47.3	56.4
DALZ 1808	86.7	75.0	33.3	29.7	56.2
DALZ 1701	90.0	46.7	41.7	45.3	55.9
DALZ 1601	86.7	81.7	8.3	39.3	54.0
FZ 1327	88.3	61.7	6.7	45.0	50.4
FZ 1732	83.3	36.7	53.3	26.7	50.0
FZ 1723	80.0	46.7	36.7	35.3	49.7
FZ 1727	86.7	45.0	25.0	40.3	49.3
15-TZ-11715	85.0	40.0	23.3	36.7	46.3
MEYER	86.7	51.7	10.0	31.0	44.8
16-TZ-13463	88.3	26.7	21.7	31.7	42.1
FZ 1722	85.0	20.0	28.3	33.0	41.6
DALZ 1613	86.7	21.7	23.3	28.3	40.0
UGA GZ 17-4	75.0	2.7	30.0	41.3	37.3
16-TZ-12783	85.0	7.0	21.7	27.3	35.3
FZ 1367	73.3	1.0	25.0	36.7	34.0
FAES 1335	73.3	16.0	13.3	29.7	33.1
DALZ 1713	73.3	1.7	11.7	41.7	32.1
DALZ 1408	60.0	0.0	31.7	36.0	31.9
FZ 1436	71.7	0.7	23.3	30.3	31.5
FZ 1440	70.0	4.3	20.0	30.7	31.3
DALZ 1409	78.3	0.3	20.0	24.3	30.8
FZ 1728	80.0	11.7	15.0	14.3	30.3
DALZ 1806	80.0	5.0	10.0	20.3	28.8
DALZ 1802	66.7	0.0	11.7	18.7	24.3
DALZ 1807	43.3	0.0	15.0	17.0	18.8
FZ 1721	40.0	0.0	11.7	22.0	18.4
FZ 1368	36.7	0.0	5.0	25.0	16.7
DALZ 1714	41.7	0.3	1.7	19.7	15.8
LSD VALUE	12.1	10.6	22.2	24.7	9.2
C.V. (%)	9.7	17.5	57.1	41.6	26.0

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 15. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IN1	TN1	MEAN
FZ 1407	95.7	95.0	95.3
FZ 1410	98.3	91.3	94.8
DALZ 1707	95.0	82.7	88.8
EMPIRE	98.0	74.0	86.0
DALZ 1603	95.3	74.7	85.0
DALZ 1311	96.0	72.0	84.0
DALZ 1808	95.3	71.3	83.3
FZ 1327	89.3	76.0	82.7
DALZ 1614	86.0	76.0	81.0
FZ 1732	81.7	78.0	79.8
DALZ 1613	72.7	82.3	77.5
15-TZ-11715	81.3	72.7	77.0
FZ 1422	89.0	64.3	76.7
EMERALD	95.0	57.3	76.2
FAES 1319	87.3	64.7	76.0
DALZ 1601	98.3	41.7	70.0
FZ 1723	86.7	52.3	69.5
ZEON	96.3	40.3	68.3
DALZ 1701	66.7	66.3	66.5
FZ 1722	58.3	73.7	66.0
FZ 1727	85.7	42.0	63.8
16-TZ-13463	65.7	58.7	62.2
16-TZ-12783	58.3	60.3	59.3
MEYER	68.3	39.7	54.0
FZ 1440	35.0	68.0	51.5
FAES 1335	56.7	36.3	46.5
DALZ 1806	16.7	72.3	44.5
FZ 1436	15.0	73.0	44.0
FZ 1367	11.0	71.3	41.2
FZ 1728	43.3	36.7	40.0
DALZ 1714	0.7	77.7	39.2
DALZ 1807	0.0	70.0	35.0
FZ 1368	0.3	68.7	34.5
DALZ 1802	0.0	67.3	33.7
UGA GZ 17-4	8.0	54.7	31.3
DALZ 1408	1.3	51.3	26.3
DALZ 1713	11.7	38.7	25.2
FZ 1721	0.0	43.3	21.7
DALZ 1409	0.7	37.7	19.2
LSD VALUE	11.8	46.2	23.8
C.V. (%)	12.8	45.3	34.7

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 16. PERCENT LIVING GROUND COVER (FALL) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AR1	FL5	IN1	TN1	MEAN
15-TZ-11715	30.0	99.0	97.7	93.7	80.1
DALZ 1614	20.0	99.0	98.0	98.0	78.8
EMPIRE	21.7	99.0	99.0	93.7	78.3
DALZ 1707	20.0	99.0	98.0	93.7	77.7
DALZ 1601	16.7	99.0	99.0	95.3	77.5
FZ 1727	20.0	99.0	95.7	95.3	77.5
FZ 1732	18.3	99.0	96.0	96.7	77.5
DALZ 1603	18.3	99.0	99.0	93.0	77.3
FZ 1410	20.0	99.0	99.0	91.0	77.3
DALZ 1311	13.3	99.0	99.0	96.3	76.9
DALZ 1808	13.3	99.0	99.0	93.3	76.2
EMERALD	13.3	99.0	98.3	94.0	76.2
ZEON	21.7	96.0	98.7	88.0	76.1
FAES 1319	15.0	99.0	96.0	92.7	75.7
FZ 1327	11.7	99.0	96.7	95.3	75.7
FZ 1407	10.0	99.0	99.0	94.7	75.7
FZ 1723	11.7	99.0	96.0	91.3	74.5
16-TZ-12783	18.3	99.0	89.0	90.7	74.3
DALZ 1613	11.7	99.0	90.7	95.3	74.2
FZ 1422	13.3	99.0	96.3	87.0	73.9
DALZ 1701	13.3	99.0	87.7	95.0	73.8
FZ 1722	10.0	99.0	89.3	93.3	72.9
16-TZ-13463	18.3	96.0	90.3	78.7	70.8
FZ 1440	10.0	99.0	83.3	90.7	70.8
MEYER	13.3	99.0	92.0	76.3	70.2
FAES 1335	11.7	99.0	85.0	76.7	68.1
FZ 1436	18.3	99.0	55.0	94.3	66.7
FZ 1728	8.3	99.0	87.3	65.7	65.1
FZ 1367	15.0	99.0	50.0	94.7	64.7
UGA GZ 17-4	11.7	99.0	38.3	92.3	60.3
DALZ 1713	10.0	99.0	25.0	97.7	57.9
DALZ 1806	10.0	96.0	33.3	91.3	57.7
DALZ 1714	16.7	99.0	3.0	91.0	52.4
DALZ 1408	13.3	99.0	6.7	88.0	51.8
FZ 1368	9.3	99.0	0.7	95.3	51.1
FZ 1721	15.0	89.7	0.0	91.7	49.1
DALZ 1409	13.3	99.0	3.7	75.0	47.8
DALZ 1802	11.7	88.3	0.0	86.7	46.7
DALZ 1807	9.0	80.0	0.0	94.7	45.9
LSD VALUE	9.1	4.1	11.9	21.6	6.7
C.V. (%)	38.2	2.6	10.4	14.8	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 17. WINTER COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	AL1	FL1	MEAN
DALZ 1714	6.3	8.3	7.3
DALZ 1713	5.7	8.7	7.2
DALZ 1806	6.0	8.0	7.0
FZ 1721	4.7	8.7	6.7
DALZ 1408	4.7	8.3	6.5
DALZ 1802	4.7	8.3	6.5
DALZ 1409	4.3	8.3	6.3
DALZ 1613	4.3	8.3	6.3
FAES 1335	5.0	7.7	6.3
FZ 1732	5.3	7.3	6.3
FZ 1440	3.7	8.7	6.2
EMPIRE	5.0	7.0	6.0
FZ 1722	4.3	7.7	6.0
16-TZ-13463	3.3	8.3	5.8
DALZ 1807	3.3	8.3	5.8
16-TZ-12783	3.7	7.7	5.7
EMERALD	3.7	7.7	5.7
FZ 1436	3.3	8.0	5.7
DALZ 1707	4.0	7.3	5.7
FZ 1368	4.3	7.0	5.7
DALZ 1614	3.0	8.0	5.5
FAES 1319	3.3	7.7	5.5
FZ 1367	2.7	8.3	5.5
DALZ 1701	3.3	7.3	5.3
FZ 1407	3.3	7.3	5.3
FZ 1727	2.7	7.7	5.2
ZEON	4.0	6.3	5.2
DALZ 1601	2.7	7.3	5.0
DALZ 1808	2.7	7.3	5.0
FZ 1422	2.3	7.7	5.0
FZ 1728	2.0	8.0	5.0
FZ 1327	3.0	6.7	4.8
DALZ 1603	2.7	7.0	4.8
DALZ 1311	2.7	6.7	4.7
FZ 1723	1.3	8.0	4.7
UGA GZ 17-4	2.3	7.0	4.7
15-TZ-11715	1.7	7.0	4.3
FZ 1410	1.7	6.3	4.0
MEYER	1.3	3.7	2.5
LSD VALUE	1.5	1.2	1.0
C.V. (%)	26.1	10.1	15.3

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 18. DROUGHT TOLERANCE (WILTING) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 2/

NAME	KS1
DALZ 1311	9.0
DALZ 1601	9.0
DALZ 1603	9.0
EMPIRE	9.0
FZ 1407	9.0
FZ 1410	9.0
DALZ 1701	8.7
FAES 1319	8.7
FZ 1327	8.7
FZ 1422	8.7
DALZ 1707	8.3
DALZ 1713	8.3
DALZ 1808	8.3
DALZ 1613	8.0
EMERALD	8.0
16-TZ-12783	7.7
FAES 1335	7.7
DALZ 1714	7.3
15-TZ-11715	7.0
DALZ 1614	7.0
DALZ 1806	7.0
FZ 1440	7.0
FZ 1722	7.0
FZ 1732	7.0
ZEON	7.0
DALZ 1409	6.3
FZ 1436	6.3
FZ 1727	6.3
FZ 1367	6.0
FZ 1723	6.0
DALZ 1408	5.7
UGA GZ 17-4	5.7
16-TZ-13463	4.7
FZ 1728	3.7
MEYER	3.3
LSD VALUE	1.6
C.V. (%)	12.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 19. ZOYSIAGRASS MITE DAMAGE RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

ZOYSIAGRASS MITE DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	CA3
FZ 1732	8.7
ZEON	8.3
FZ 1367	8.0
DALZ 1613	7.7
DALZ 1701	7.7
DALZ 1713	7.7
FZ 1368	7.7
FZ 1410	7.7
FZ 1440	7.7
FZ 1728	7.7
DALZ 1311	7.3
DALZ 1408	7.3
DALZ 1614	7.3
DALZ 1806	7.3
FAES 1335	7.3
FZ 1436	7.3
FZ 1723	7.3
16-TZ-12783	7.0
DALZ 1409	7.0
DALZ 1603	7.0
DALZ 1802	7.0
EMPIRE	7.0
FZ 1721	7.0
FZ 1722	7.0
FZ 1727	7.0
UGA GZ 17-4	7.0
FZ 1327	6.7
16-TZ-13463	6.3
DALZ 1601	6.3
DALZ 1807	6.3
DALZ 1808	6.3
EMERALD	6.3
FAES 1319	6.3
FZ 1422	6.3
15-TZ-11715	6.0
DALZ 1707	5.7
DALZ 1714	5.7
FZ 1407	5.0
MEYER	4.7
LSD VALUE	1.5
C.V. (%)	13.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 20. FALL COLOR (SEPTEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	GA1
16-TZ-12783	7.0
15-TZ-11715	6.7
16-TZ-13463	6.7
DALZ 1311	6.7
DALZ 1614	6.7
DALZ 1713	6.7
EMPIRE	6.7
FZ 1410	6.7
FZ 1436	6.7
FZ 1440	6.7
FZ 1727	6.7
UGA GZ 17-4	6.7
DALZ 1408	6.3
DALZ 1603	6.3
DALZ 1701	6.3
DALZ 1707	6.3
DALZ 1714	6.3
DALZ 1802	6.3
DALZ 1806	6.3
DALZ 1808	6.3
FAES 1335	6.3
FZ 1327	6.3
FZ 1367	6.3
FZ 1368	6.3
FZ 1407	6.3
FZ 1422	6.3
FZ 1721	6.3
FZ 1722	6.3
FZ 1732	6.3
ZEON	6.3
DALZ 1409	6.0
DALZ 1601	6.0
DALZ 1613	6.0
EMERALD	6.0
FZ 1723	6.0
FAES 1319	5.7
FZ 1728	5.7
MEYER	5.7
DALZ 1807	5.3
LSD VALUE	1.0
C.V. (%)	10.1

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. FALL COLOR (OCTOBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	AR1	GA1	IN1	OK1	MEAN
FZ 1436	8.3	6.7	8.3	9	8.1
FZ 1440	8.7	6.7	8.0	9	8.1
FZ 1367	8.0	6.3	8.7	9	8.0
DALZ 1806	7.3	6.3	8.3	9	7.8
UGA GZ 17-4	7.7	6.7	7.3	9	7.7
FAES 1335	8.0	6.3	7.3	9	7.7
16-TZ-13463	6.7	6.7	8.0	9	7.6
DALZ 1614	7.7	6.3	7.3	9	7.6
FZ 1723	7.3	6.3	7.7	9	7.6
ZEON	7.7	6.3	7.0	9	7.5
DALZ 1613	7.7	6.0	7.0	9	7.4
DALZ 1701	6.7	6.0	8.0	9	7.4
FZ 1728	7.7	5.7	7.3	9	7.4
15-TZ-11715	6.7	6.7	7.0	9	7.3
16-TZ-12783	5.7	6.7	8.0	9	7.3
DALZ 1713	6.7	6.7	7.0	9	7.3
DALZ 1707	7.0	6.3	7.0	9	7.3
FZ 1722	7.0	6.0	7.3	9	7.3
FZ 1732	7.0	6.3	7.0	9	7.3
DALZ 1408	8.0	6.3	5.7	9	7.3
DALZ 1409	7.0	6.0	7.0	9	7.3
FZ 1727	7.0	6.3	6.7	9	7.3
FZ 1327	5.3	6.7	7.7	9	7.2
FZ 1410	5.0	6.7	7.7	9	7.1
DALZ 1603	5.3	6.7	7.3	9	7.1
FZ 1407	5.3	6.3	7.7	9	7.1
EMPIRE	5.3	6.7	7.0	9	7.0
FAES 1319	5.0	5.7	8.3	9	7.0
DALZ 1311	5.0	6.7	7.0	9	6.9
EMERALD	7.0	5.7	6.0	9	6.9
FZ 1422	5.7	6.7	6.3	9	6.9
DALZ 1601	5.3	6.3	7.0	9	6.9
DALZ 1808	6.0	6.3	6.3	9	6.9
DALZ 1714	6.0	6.0	5.0	9	6.5
MEYER	4.7	5.7	6.0	9	6.3
FZ 1368	6.7	6.3	3.0	9	6.3
DALZ 1802	8.3	6.3	1.0	9	6.2
FZ 1721	7.7	6.7	1.0	9	6.1
DALZ 1807	7.3	5.3	1.0	9	5.7
LSD VALUE	1.3	1.1	1.9	0	0.6
C.V. (%)	11.7	10.9	18.3	0	11.2

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 22. FALL COLOR (NOVEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	AL1	CA3	IN1	KS1	OK1	MEAN
DALZ 1806	6.0	8.7	8.0	7.3	8.3	7.7
DALZ 1409	4.7	8.7	8.0	7.0	7.7	7.2
UGA GZ 17-4	4.3	8.7	8.0	7.0	7.3	7.1
FAES 1335	5.0	8.7	8.0	5.7	8.0	7.1
DALZ 1701	4.7	8.3	8.0	5.7	8.0	6.9
DALZ 1714	5.0	8.0	5.7	7.0	9.0	6.9
FAES 1319	5.7	8.3	7.3	5.0	8.0	6.9
FZ 1368	6.0	9.0	3.3	7.0	9.0	6.9
ZEON	6.3	8.0	6.3	5.7	8.0	6.9
16-TZ-13463	7.0	8.0	7.0	5.0	6.3	6.7
FZ 1722	6.0	8.3	6.3	6.0	6.7	6.7
DALZ 1614	4.7	8.0	6.7	6.3	7.3	6.6
FZ 1732	5.7	8.3	5.7	6.0	7.0	6.5
DALZ 1713	6.0	8.0	7.3	4.3	6.7	6.5
DALZ 1802	6.3	9.0	1.0	7.0	9.0	6.5
EMERALD	6.0	7.3	5.3	6.3	7.3	6.5
FZ 1723	4.3	8.0	7.3	5.0	7.7	6.5
15-TZ-11715	4.3	7.7	7.0	5.3	7.7	6.4
DALZ 1707	4.3	7.0	7.3	6.0	7.3	6.4
FZ 1436	6.3	8.0	6.7	4.7	6.0	6.3
EMPIRE	5.0	7.7	6.7	4.7	7.3	6.3
FZ 1727	5.3	8.7	5.7	5.7	6.0	6.3
DALZ 1408	6.0	8.3	5.7	5.3	6.0	6.3
FZ 1440	6.7	8.3	6.3	3.7	6.3	6.3
FZ 1367	5.3	8.3	7.3	4.3	5.7	6.2
DALZ 1613	6.7	8.0	6.0	4.3	5.7	6.1
16-TZ-12783	4.7	7.7	5.7	5.3	7.3	6.1
DALZ 1603	3.3	7.3	7.0	5.7	7.0	6.1
DALZ 1808	4.0	7.3	7.0	5.3	6.7	6.1
DALZ 1311	4.0	7.7	6.7	4.7	7.0	6.0
FZ 1327	4.3	7.0	6.3	5.3	7.0	6.0
DALZ 1601	3.0	7.3	7.0	5.3	7.0	5.9
FZ 1407	3.7	7.0	7.0	4.7	7.0	5.9
FZ 1728	4.7	8.0	6.0	5.3	5.3	5.9
FZ 1410	3.3	7.7	6.7	5.0	6.3	5.8
FZ 1422	4.0	6.7	6.3	5.0	7.0	5.8
DALZ 1807	5.3	8.7	1.0	.	7.0	5.5
FZ 1721	6.0	8.3	1.0	7.0	5.0	5.5
MEYER	2.7	4.0	4.0	4.0	5.7	4.1
LSD VALUE	1.9	1.0	2.0	0.9	0.9	0.6
C.V. (%)	22.9	7.6	20.1	10.1	8.2	13.9

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 23. FALL COLOR (DECEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

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

NAME	CA3	OK1	MEAN
DALZ 1802	8.7	5.5	7.1
DALZ 1806	7.7	5.3	6.5
DALZ 1807	7.3	5.5	6.4
FZ 1368	7.7	4.3	6.0
UGA GZ 17-4	7.7	4.3	6.0
DALZ 1409	7.7	3.7	5.7
DALZ 1714	6.0	4.7	5.3
FZ 1436	7.0	3.0	5.0
FZ 1722	7.3	2.7	5.0
DALZ 1713	6.7	3.0	4.8
FZ 1440	6.7	3.0	4.8
FZ 1728	6.7	3.0	4.8
FAES 1335	7.3	2.3	4.8
FZ 1723	6.3	3.3	4.8
DALZ 1408	6.7	2.7	4.7
FAES 1319	6.7	2.7	4.7
FZ 1732	7.3	2.0	4.7
16-TZ-12783	6.0	3.0	4.5
FZ 1367	6.7	2.3	4.5
FZ 1721	6.3	2.7	4.5
FZ 1727	7.3	1.7	4.5
16-TZ-13463	5.7	3.0	4.3
DALZ 1614	6.7	2.0	4.3
EMERALD	5.7	3.0	4.3
DALZ 1701	5.7	2.7	4.2
DALZ 1613	6.7	1.3	4.0
15-TZ-11715	5.3	2.3	3.8
DALZ 1707	5.0	2.7	3.8
DALZ 1601	5.7	1.7	3.7
FZ 1327	5.0	2.3	3.7
ZEON	5.0	2.3	3.7
DALZ 1603	5.3	2.0	3.7
DALZ 1311	5.0	2.0	3.5
DALZ 1808	4.7	2.3	3.5
FZ 1422	4.0	2.7	3.3
FZ 1407	4.7	1.7	3.2
EMPIRE	5.0	1.3	3.2
FZ 1410	4.3	1.3	2.8
MEYER	2.7	1.7	2.2
LSD VALUE	1.1	1.3	0.8
C.V. (%)	11.4	27.9	16.6

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 24. SEEDHEAD RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2020 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	CA3	FL1	OK1	MEAN
16-TZ-13463	8.3	8.3	9.0	8.6
DALZ 1807	8.3	8.0	9.0	8.4
FZ 1368	7.0	8.7	9.0	8.2
DALZ 1808	8.7	6.3	9.0	8.0
16-TZ-12783	8.0	6.7	9.0	7.9
DALZ 1603	7.0	8.7	7.7	7.8
FZ 1723	8.7	6.0	8.7	7.8
FZ 1327	8.3	8.0	6.7	7.7
DALZ 1802	9.0	5.0	9.0	7.7
FAES 1335	5.3	8.7	9.0	7.7
DALZ 1311	7.0	8.3	7.3	7.6
FZ 1722	7.3	7.0	8.3	7.6
DALZ 1408	6.0	7.7	8.7	7.4
DALZ 1601	7.3	8.0	7.0	7.4
ZEON	8.7	4.7	9.0	7.4
FZ 1407	7.0	8.0	7.0	7.3
FZ 1436	4.7	8.7	8.7	7.3
FZ 1367	4.3	8.3	8.7	7.1
EMERALD	8.7	3.7	9.0	7.1
FAES 1319	6.3	5.7	8.7	6.9
DALZ 1713	5.3	6.7	8.3	6.8
FZ 1440	4.0	8.3	8.0	6.8
FZ 1422	8.0	2.7	9.0	6.6
EMPIRE	4.0	7.7	7.7	6.4
MEYER	4.3	6.0	9.0	6.4
15-TZ-11715	8.0	2.0	9.0	6.3
DALZ 1614	3.7	6.3	9.0	6.3
FZ 1410	5.0	6.7	7.0	6.2
DALZ 1409	6.0	2.7	9.0	5.9
FZ 1732	2.0	7.3	8.3	5.9
DALZ 1707	3.7	4.0	9.0	5.6
UGA GZ 17-4	4.3	3.0	9.0	5.4
DALZ 1613	5.3	1.7	9.0	5.3
FZ 1727	2.7	3.7	8.7	5.0
DALZ 1714	3.0	2.3	9.0	4.8
FZ 1721	2.0	3.3	9.0	4.8
FZ 1728	1.7	5.3	6.7	4.6
DALZ 1701	3.0	1.0	9.0	4.3
DALZ 1806	1.3	1.3	9.0	3.9
LSD VALUE	2.0	2.5	0.8	1.1
C.V.(%)	22.3	26.5	5.6	17.8

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 25. SEEDHEAD RATINGS OF ZOYSIAGRASS CULTIVARS
RIVERSIDE, CA 1/
2020 DATA

NAME	SEEDHEAD RATINGS 1-9; 9=NONE 2/ SPRING	FALL	MEAN
DALZ 1808	8.7	9.0	8.8
16-TZ-13463	8.3	9.0	8.7
EMERALD	8.7	8.3	8.5
ZEON	8.7	8.3	8.5
16-TZ-12783	8.0	8.7	8.3
FZ 1723	8.7	8.0	8.3
DALZ 1311	7.0	9.0	8.0
DALZ 1601	7.3	8.7	8.0
DALZ 1807	8.3	7.0	7.7
FZ 1327	8.3	7.0	7.7
DALZ 1408	6.0	9.0	7.5
FZ 1368	7.0	7.7	7.3
FZ 1407	7.0	7.7	7.3
DALZ 1802	9.0	5.3	7.2
FAES 1335	5.3	9.0	7.2
FZ 1422	8.0	6.3	7.2
DALZ 1603	7.0	7.0	7.0
FZ 1410	5.0	9.0	7.0
FAES 1319	6.3	7.3	6.8
DALZ 1409	6.0	7.3	6.7
MEYER	4.3	9.0	6.7
15-TZ-11715	8.0	5.0	6.5
DALZ 1707	3.7	9.0	6.3
EMPIRE	4.0	8.7	6.3
FZ 1436	4.7	8.0	6.3
DALZ 1613	5.3	7.0	6.2
FZ 1722	7.3	5.0	6.2
FZ 1440	4.0	8.0	6.0
FZ 1367	4.3	7.0	5.7
DALZ 1714	3.0	6.7	4.8
DALZ 1713	5.3	4.0	4.7
FZ 1732	2.0	7.3	4.7
DALZ 1701	3.0	6.0	4.5
FZ 1721	2.0	7.0	4.5
UGA GZ 17-4	4.3	4.7	4.5
DALZ 1614	3.7	4.7	4.2
FZ 1727	2.7	5.7	4.2
FZ 1728	1.7	5.7	3.7
DALZ 1806	1.3	4.3	2.8
LSD VALUE	1.9	2.0	1.4
C.V. (%)	22.0	17.1	14.5

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 26. PERCENT ESTABLISHMENT RATINGS OF ZOYSIAGRASS CULTIVARS AT AUBURN, AL 1/ 2019-20 DATA 2/

NAME	PERCENT ESTABLISHMENT 2019	MARCH 2020	APRIL 2020	JUNE 2020	JULY 2020	AUGUST 2020	NOVEMBER 2020	MEAN
FZ 1727	66.7	60.0	96.0	99.0	99.0	99.0	99.0	79.3
16-TZ-12783	66.7	66.7	83.0	99.0	99.0	99.0	99.0	78.8
FZ 1436	63.0	70.0	86.7	99.0	99.0	99.0	99.0	77.6
FZ 1410	63.3	66.7	86.3	93.0	99.0	99.0	99.0	76.9
FZ 1440	60.0	66.7	83.3	99.0	99.0	99.0	99.0	75.5
DALZ 1613	60.0	60.0	83.3	96.0	96.0	99.0	99.0	74.4
FZ 1732	56.7	70.0	80.0	99.0	99.0	99.0	99.0	73.8
FZ 1407	60.0	53.3	69.7	93.0	99.0	99.0	99.0	72.8
FZ 1327	50.0	60.0	86.3	96.0	99.0	99.0	99.0	69.9
16-TZ-13463	46.7	66.7	93.0	99.0	99.0	99.0	99.0	69.6
FAES 1319	46.7	66.7	83.3	96.0	99.0	99.0	99.0	68.6
FZ 1367	46.7	60.0	83.3	93.0	99.0	99.0	99.0	67.8
UGA GZ 17-4	50.0	53.3	60.0	96.0	99.0	99.0	99.0	67.2
DALZ 1701	43.3	36.7	70.0	96.0	99.0	99.0	99.0	63.3
FZ 1723	43.3	46.7	56.7	96.0	99.0	99.0	99.0	63.0
FZ 1422	40.0	46.7	76.7	96.0	96.0	99.0	99.0	62.8
FAES 1335	36.7	56.7	73.3	96.0	99.0	99.0	99.0	61.9
FZ 1722	43.3	30.0	46.7	86.7	96.0	99.0	99.0	59.8
DALZ 1603	35.0	43.3	76.7	89.7	96.0	99.0	99.0	59.5
DALZ 1808	33.3	46.7	66.3	96.0	99.0	99.0	99.0	58.8
DALZ 1614	33.3	30.0	60.0	92.7	99.0	99.0	99.0	56.6
EMERALD	30.0	33.3	63.3	96.0	99.0	99.0	99.0	55.8
15-TZ-11715	23.3	50.0	66.7	99.0	99.0	99.0	99.0	54.4
DALZ 1601	28.3	26.7	56.7	89.3	96.0	99.0	99.0	53.1
FZ 1368	26.7	40.0	40.0	89.7	99.0	99.0	99.0	52.2
ZEON	23.3	30.0	56.7	92.7	96.0	96.0	96.0	50.6
DALZ 1707	23.3	33.3	56.7	80.0	89.3	96.0	96.0	49.3
DALZ 1714	26.7	26.7	33.3	83.3	92.7	96.0	96.0	49.0
DALZ 1713	20.0	36.7	66.7	79.7	86.3	89.7	96.0	47.9
DALZ 1408	15.0	36.7	56.7	93.0	99.0	99.0	99.0	47.8
DALZ 1311	20.0	23.3	40.0	83.3	92.7	96.0	96.0	45.9
FZ 1721	18.3	26.7	46.7	80.0	86.3	96.0	99.0	45.4
FZ 1728	20.0	23.3	30.0	73.3	83.0	89.7	96.0	42.9
EMPIRE	15.0	26.7	43.3	80.0	83.3	92.7	96.0	42.7
DALZ 1409	20.0	20.0	26.7	73.3	86.0	89.3	92.7	42.3
DALZ 1802	13.3	13.3	36.7	83.3	86.7	96.0	99.0	41.3
MEYER	15.0	13.3	33.3	70.0	73.3	79.7	86.3	37.2
DALZ 1806	10.0	13.3	20.0	70.0	80.0	89.7	96.0	35.8
DALZ 1807	5.0	13.3	20.0	73.0	76.3	83.0	89.7	32.1
LSD VALUE	28.1	24.8	23.7	17.2	15.0	13.0	10.2	52.6
C.V. (%)	45.7	35.7	24.5	10.5	8.4	6.1	4.0	47.5

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 27. PERCENT ESTABLISHMENT RATINGS OF ZOYSIAGRASS CULTIVARS
AT RIVERSIDE, CA 1/
2020 DATA 2/

NAME	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	MEAN
FZ 1367	73.3	93.0	97.7	99.0	99.0	99.0	99.0	99.0	99.0	95.3
FZ 1410	78.3	88.0	99.0	97.7	99.0	99.0	99.0	99.0	99.0	95.3
ZEON	70.0	92.7	97.7	97.7	99.0	99.0	99.0	99.0	99.0	94.8
FZ 1440	66.7	93.0	97.7	99.0	99.0	99.0	99.0	99.0	99.0	94.6
DALZ 1311	70.0	88.3	96.3	96.0	94.3	97.7	99.0	99.0	99.0	93.3
DALZ 1603	66.7	90.0	94.7	97.7	97.7	96.0	97.7	99.0	99.0	93.1
EMPIRE	68.3	86.3	96.3	96.3	96.3	97.7	99.0	99.0	99.0	93.1
FAES 1335	68.3	83.3	96.3	97.7	99.0	96.3	99.0	99.0	99.0	93.1
FZ 1727	68.3	85.0	93.3	96.0	96.0	94.7	97.7	99.0	99.0	92.1
DALZ 1408	63.3	80.0	95.0	97.7	97.7	97.7	99.0	99.0	99.0	92.0
FZ 1732	66.7	81.7	88.3	94.7	97.7	97.7	99.0	99.0	99.0	91.5
UGA GZ 17-4	60.0	78.3	91.7	96.3	97.7	97.7	99.0	99.0	99.0	91.0
FZ 1436	65.0	78.3	88.3	95.0	97.7	96.3	99.0	99.0	99.0	90.9
DALZ 1601	66.7	78.3	89.7	91.3	94.7	97.7	99.0	99.0	99.0	90.6
DALZ 1808	63.3	78.3	86.7	93.3	97.7	96.3	99.0	99.0	99.0	90.3
16-TZ-12783	58.3	76.7	89.7	94.7	97.7	97.7	99.0	99.0	99.0	90.2
DALZ 1613	60.0	75.0	88.3	95.0	96.3	96.3	99.0	99.0	99.0	89.8
15-TZ-11715	63.3	75.0	88.3	94.7	92.7	96.0	97.7	99.0	99.0	89.5
FZ 1422	55.0	73.3	91.7	94.7	96.0	96.3	99.0	99.0	99.0	89.3
DALZ 1713	56.7	70.0	81.7	96.3	99.0	99.0	99.0	99.0	99.0	88.9
FAES 1319	61.7	78.3	88.0	91.3	93.0	93.0	96.0	97.7	97.7	88.5
EMERALD	50.0	68.3	88.3	91.7	94.7	96.0	97.7	99.0	99.0	87.2
FZ 1728	56.7	70.0	81.7	93.3	93.0	93.3	99.0	99.0	99.0	87.2
16-TZ-13463	56.7	75.0	85.0	96.0	86.3	91.3	96.0	99.0	99.0	87.1
FZ 1327	58.3	66.7	85.0	85.0	86.7	94.7	99.0	99.0	99.0	85.9
FZ 1407	51.7	66.7	81.7	90.0	85.0	93.3	99.0	99.0	99.0	85.0
FZ 1722	55.0	71.7	83.3	89.7	84.7	91.0	94.3	97.7	96.0	84.8
DALZ 1409	43.3	58.3	76.7	91.7	95.0	95.0	99.0	99.0	99.0	84.1
DALZ 1802	45.0	58.3	73.3	91.7	93.3	95.0	99.0	99.0	99.0	83.7
FZ 1723	55.0	61.7	76.7	86.7	93.3	91.7	94.3	96.0	97.7	83.7
DALZ 1701	50.0	61.7	80.0	88.3	86.7	90.0	97.7	97.7	97.7	83.3
DALZ 1614	51.7	63.3	80.0	88.3	90.0	86.7	93.3	97.7	97.7	83.2
DALZ 1714	53.3	65.0	75.0	88.3	78.3	88.3	96.3	99.0	99.0	82.5
DALZ 1806	48.3	58.3	75.0	85.0	83.3	86.7	94.7	96.3	96.3	80.4
FZ 1368	46.7	56.7	75.0	81.7	79.7	89.7	97.7	97.7	97.7	80.3
DALZ 1707	50.0	65.0	75.0	81.7	80.0	85.0	90.0	96.0	96.0	79.9
FZ 1721	48.3	58.3	73.3	80.0	83.3	85.0	87.7	91.0	89.3	77.4
DALZ 1807	33.3	36.7	53.3	71.7	73.3	78.3	88.3	96.0	94.3	69.5
MEYER	36.7	33.3	51.7	61.7	60.0	55.0	63.3	60.0	68.3	54.4
LSD VALUE	12.6	16.4	13.8	10.4	17.1	15.1	10.6	7.3	9.0	9.6
C.V. (%)	13.4	14.2	10.0	6.9	10.0	8.8	6.2	4.7	5.2	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 28. PERCENT ESTABLISHMENT RATINGS OF ZOYSIAGRASS CULTIVARS
AT GAINESVILLE, FL 1/
2019 DATA 2/

NAME	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	MEAN
16-TZ-12783	50.0	63.3	90.0	90.0	99.0	78.5
FZ 1440	43.3	53.3	86.7	90.0	99.0	74.5
FZ 1327	36.7	56.7	86.7	90.0	99.0	73.8
EMPIRE	40.0	60.0	86.3	83.3	96.0	73.1
FZ 1407	36.7	53.3	86.7	90.0	99.0	73.1
FZ 1727	40.0	53.3	83.3	90.0	99.0	73.1
15-TZ-11715	36.7	50.0	83.3	86.7	96.0	70.5
16-TZ-13463	40.0	53.3	83.3	80.0	92.7	69.9
FZ 1410	36.7	50.0	83.3	86.7	93.0	69.9
FZ 1436	36.7	50.0	83.3	83.3	92.7	69.2
DALZ 1701	30.0	53.3	83.3	83.3	93.0	68.6
DALZ 1603	33.3	40.0	80.0	90.0	96.0	67.9
DALZ 1614	33.3	50.0	80.0	86.7	89.7	67.9
FZ 1728	33.3	46.7	80.0	86.7	93.0	67.9
DALZ 1601	30.0	43.3	80.0	90.0	93.0	67.3
FAES 1335	40.0	43.3	80.0	83.3	90.0	67.3
ZEON	33.3	40.0	83.3	90.0	90.0	67.3
DALZ 1311	30.0	43.3	80.0	86.7	96.0	67.2
FAES 1319	33.3	43.3	76.7	86.7	93.0	66.6
DALZ 1613	33.3	46.7	73.3	83.3	96.0	66.5
FZ 1723	33.3	46.7	80.0	80.0	90.0	66.0
FZ 1722	30.0	43.3	76.7	86.7	90.0	65.3
DALZ 1808	30.0	43.3	73.3	86.7	90.0	64.7
FZ 1721	40.0	46.7	70.0	80.0	86.7	64.7
FZ 1732	33.3	40.0	76.7	83.3	90.0	64.7
FZ 1367	30.0	43.3	76.7	80.0	90.0	64.0
DALZ 1707	30.0	40.0	73.3	83.3	90.0	63.3
FZ 1368	36.7	43.3	70.0	83.3	83.3	63.3
FZ 1422	33.3	43.3	73.3	76.7	86.7	62.7
DALZ 1408	30.0	36.7	76.7	83.3	83.3	62.0
EMERALD	33.3	40.0	73.3	80.0	83.3	62.0
UGA GZ 17-4	30.0	40.0	73.3	76.7	83.3	60.7
DALZ 1409	30.0	33.3	66.7	80.0	86.7	59.3
DALZ 1713	30.0	36.7	63.3	76.7	83.3	58.0
DALZ 1714	33.3	40.0	66.7	70.0	76.7	57.3
DALZ 1806	30.0	40.0	63.3	73.3	80.0	57.3
DALZ 1802	30.0	33.3	66.7	73.3	76.7	56.0
MEYER	30.0	40.0	66.7	73.3	70.0	56.0
DALZ 1807	30.0	33.3	63.3	70.0	76.7	54.7
LSD VALUE	6.8	10.2	11.1	8.4	9.0	5.7
C.V. (%)	11.8	13.6	8.5	6.1	6.2	5.6

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 29. PERCENT ESTABLISHMENT RATINGS OF ZOYSIAGRASS CULTIVARS
AT JAY, FL 1/
2019-20 DATA 2/

PERCENT ESTABLISHMENT RATINGS FROM SEPTEMBER 2019 THROUGH OCTOBER 2020

NAME	9/13/19	9/30/19	10/20/19	03/2020	04/2020	05/2020	06/2020	07/2020	08/2020	09/2020	10/2020	MEAN
EMPIRE	30.0	40.0	66.7	80.0	88.3	93.3	96.3	99.0	99.0	99.0	99.0	81.0
DALZ 1311	26.7	33.3	55.0	75.0	86.7	93.3	99.0	99.0	99.0	99.0	99.0	78.6
DALZ 1603	26.7	26.7	43.3	56.7	70.0	80.0	89.3	96.0	97.7	99.0	99.0	71.3
FZ 1410	20.0	26.7	41.7	58.3	68.3	83.3	91.7	97.7	97.7	99.0	99.0	71.2
DALZ 1701	20.0	30.0	41.7	56.7	70.0	81.7	91.7	94.7	97.7	99.0	99.0	71.1
DALZ 1601	16.7	23.3	41.7	55.0	66.7	80.0	89.7	96.0	97.7	99.0	99.0	69.5
FZ 1422	16.7	23.3	36.7	50.0	63.3	78.3	91.7	94.3	96.0	97.7	99.0	67.9
FZ 1732	10.0	20.0	33.3	53.3	70.0	80.0	90.0	95.0	95.0	99.0	99.0	67.7
FZ 1440	20.0	23.3	30.0	46.7	60.0	80.0	90.0	94.7	97.7	99.0	99.0	67.3
15-TZ-11715	20.0	23.3	36.7	48.3	60.0	71.7	85.0	93.3	95.0	99.0	99.0	66.5
FZ 1436	23.3	23.3	31.7	40.0	55.0	73.3	88.3	94.7	97.7	99.0	99.0	65.9
FAES 1335	10.0	20.0	33.3	46.7	61.7	76.7	86.7	93.3	96.0	97.7	99.0	65.5
FZ 1407	20.0	23.3	36.7	48.3	61.7	73.3	79.7	89.3	92.7	96.0	97.7	65.3
FZ 1367	13.3	16.7	23.3	43.3	56.7	75.0	85.0	94.7	97.7	99.0	99.0	64.0
DALZ 1713	16.7	20.0	26.7	38.3	55.0	73.3	85.0	91.3	96.3	97.7	99.0	63.6
FZ 1368	13.3	23.3	30.0	36.7	48.3	71.7	86.7	91.7	96.3	99.0	99.0	63.3
16-TZ-12783	13.3	16.7	25.0	38.3	50.0	70.0	85.0	97.7	97.7	99.0	99.0	62.9
DALZ 1707	16.7	16.7	31.7	43.3	55.0	66.7	81.7	88.3	94.7	97.7	99.0	62.8
FZ 1728	10.0	20.0	30.0	45.0	55.0	70.0	83.3	88.3	93.3	96.3	99.0	62.8
FZ 1723	16.7	23.3	31.7	38.3	53.3	68.3	80.0	86.7	90.0	94.3	96.0	61.7
DALZ 1614	16.7	16.7	25.0	36.7	48.3	70.0	83.3	90.0	94.7	97.7	99.0	61.6
FZ 1327	16.7	23.3	38.3	48.3	58.3	65.0	73.3	82.7	86.0	91.0	94.3	61.6
FAES 1319	20.0	20.0	30.0	36.7	46.7	63.3	78.3	86.7	93.0	94.7	97.7	60.6
DALZ 1408	16.7	16.7	23.3	30.0	46.7	65.0	80.0	90.0	95.0	99.0	99.0	60.1
DALZ 1409	10.0	13.3	21.7	30.0	45.0	68.3	85.0	91.7	97.7	99.0	99.0	60.1
ZEON	16.7	20.0	28.3	33.3	41.7	61.7	75.0	88.0	94.3	96.0	97.7	59.3
DALZ 1714	10.0	13.3	23.3	36.7	48.3	63.3	75.0	86.7	93.3	96.3	99.0	58.7
FZ 1727	16.7	16.7	25.0	30.0	45.0	61.7	76.7	86.7	91.7	96.3	99.0	58.7
UGA GZ 17-4	10.0	13.3	18.3	28.3	45.0	63.3	81.7	91.3	96.0	97.7	97.7	58.4
DALZ 1808	20.0	20.0	28.3	35.0	43.3	51.7	61.7	80.0	88.3	93.3	97.7	56.3
FZ 1721	23.3	23.3	30.0	36.7	46.7	56.7	66.7	73.3	83.3	88.3	91.3	56.3
EMERALD	23.3	23.3	26.7	35.0	43.3	53.3	65.0	75.0	85.0	91.3	96.3	56.2
DALZ 1613	10.0	10.0	21.7	31.7	40.0	51.7	68.3	83.3	94.7	96.3	99.0	55.2
FZ 1722	10.0	13.3	21.7	30.0	41.7	58.3	70.0	80.0	88.3	92.7	96.0	54.7
DALZ 1802	20.0	20.0	20.0	25.0	35.0	43.3	63.3	81.7	91.7	96.3	99.0	54.1
16-TZ-13463	10.0	10.0	20.0	23.3	25.0	40.0	56.7	76.7	88.3	93.0	96.0	49.0
MEYER	26.7	26.7	30.0	30.0	33.3	38.3	41.7	55.0	68.3	78.3	86.7	46.8
DALZ 1806	10.0	10.0	13.3	18.3	18.3	30.0	46.7	65.0	78.3	86.7	91.7	42.6
DALZ 1807	10.0	10.0	11.7	13.3	16.7	25.0	36.7	56.7	71.7	81.7	90.0	38.5
LSD VALUE	6.1	9.3	12.3	17.1	21.3	22.1	20.0	15.0	11.3	7.5	5.6	11.4
C.V. (%)	23.1	27.3	25.4	26.0	24.8	20.1	15.5	10.3	7.1	4.6	3.1	11.3

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 30. PERCENT ESTABLISHMENT RATINGS OF ZOYSIAGRASS CULTIVARS AT GRIFFIN, GA 1/ 2019 DATA 2/

NAME	PERCENT ESTABLISHMENT FROM SEPTEMBER-NOVEMBER SEPT 5	SEPT 19	OCT 3	OCT 17	NOV 7	MEAN
16-TZ-12783	4.0	5.0	6.0	7.0	7.0	5.8
FZ 1722	4.0	3.7	5.0	5.7	6.0	4.9
16-TZ-13463	4.3	4.0	4.7	5.3	5.7	4.8
EMPIRE	3.3	3.7	4.7	5.7	6.0	4.7
FAES 1335	3.3	3.7	4.7	5.7	6.0	4.7
FZ 1327	3.7	4.0	5.0	5.3	5.3	4.7
FZ 1407	3.7	4.0	4.7	5.3	5.3	4.6
FZ 1367	3.3	3.7	5.0	5.0	5.0	4.4
DALZ 1603	2.7	3.7	4.7	5.0	5.0	4.2
15-TZ-11715	2.7	2.7	4.0	5.3	5.3	4.0
FZ 1410	3.0	3.7	4.0	4.3	4.7	3.9
FZ 1436	2.0	3.0	4.7	5.0	5.0	3.9
DALZ 1601	3.0	3.7	3.7	4.3	4.3	3.8
DALZ 1701	2.3	3.0	4.0	4.7	4.7	3.7
FZ 1732	3.0	3.0	3.7	4.3	4.7	3.7
FZ 1422	3.0	3.0	3.7	4.3	4.0	3.6
UGA GZ 17-4	3.3	3.3	3.3	4.0	4.0	3.6
DALZ 1311	2.3	3.3	3.7	4.0	4.0	3.5
FZ 1723	2.7	3.0	4.0	4.0	4.0	3.5
FAES 1319	2.3	2.7	3.7	4.0	4.0	3.3
FZ 1440	3.0	2.7	3.3	3.7	4.0	3.3
FZ 1727	2.3	2.7	3.3	4.0	4.0	3.3
FZ 1728	2.3	2.7	3.3	3.7	4.0	3.2
DALZ 1613	2.0	2.3	3.0	3.3	3.7	2.9
DALZ 1808	2.7	2.7	3.0	3.0	3.0	2.9
DALZ 1614	2.0	2.3	3.0	3.3	3.3	2.8
EMERALD	2.3	2.3	2.7	3.3	3.3	2.8
DALZ 1408	2.0	2.0	3.0	3.0	3.3	2.7
DALZ 1707	2.0	2.7	2.7	3.0	3.3	2.7
DALZ 1714	2.7	2.3	2.7	3.0	3.0	2.7
FZ 1721	2.3	2.3	2.7	3.0	3.0	2.7
ZEON	2.0	2.0	2.7	3.0	3.7	2.7
DALZ 1713	2.7	2.0	2.3	2.7	2.7	2.5
DALZ 1806	2.3	2.0	2.0	2.7	2.7	2.3
MEYER	2.0	2.3	2.3	2.3	2.7	2.3
DALZ 1409	2.0	2.0	2.3	2.0	2.7	2.2
DALZ 1802	2.3	2.0	2.0	2.0	2.3	2.1
DALZ 1807	2.0	2.0	2.0	2.3	2.3	2.1
FZ 1368	2.0	2.0	2.0	2.0	2.3	2.1
LSD VALUE	1.2	0.8	1.1	1.0	1.1	0.8
C.V. (%)	24.3	17.7	19.4	17.3	18.1	14.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 31. PERCENT ESTABLISHMENT RATINGS OF ZOYSIAGRASS CULTIVARS AT WEST LAFAYETTE, IN 1/ 2019 DATA 2/

NAME	SEPTEMBER	OCTOBER	MEAN
EMPIRE	47.0	91.7	69.3
FZ 1327	40.7	83.3	62.0
DALZ 1603	36.7	86.7	61.7
FZ 1407	37.7	85.0	61.3
DALZ 1311	36.7	85.0	60.8
DALZ 1601	32.3	88.3	60.3
FZ 1410	33.3	85.0	59.2
FZ 1727	32.3	80.0	56.2
FZ 1440	36.3	75.0	55.7
FAES 1335	30.0	76.7	53.3
FZ 1723	31.7	75.0	53.3
ZEON	31.7	75.0	53.3
15-TZ-11715	29.3	76.7	53.0
FZ 1422	28.3	76.7	52.5
FZ 1436	25.0	80.0	52.5
FZ 1732	28.3	76.7	52.5
FAES 1319	29.3	75.0	52.2
16-TZ-12783	29.0	75.0	52.0
DALZ 1614	25.0	76.7	50.8
DALZ 1707	26.7	75.0	50.8
DALZ 1808	26.7	75.0	50.8
FZ 1728	25.0	76.7	50.8
EMERALD	31.0	70.0	50.5
16-TZ-13463	28.3	71.7	50.0
FZ 1367	23.3	76.7	50.0
FZ 1722	25.0	75.0	50.0
DALZ 1613	24.0	70.0	47.0
DALZ 1713	25.0	68.3	46.7
UGA GZ 17-4	24.0	66.7	45.3
DALZ 1408	23.0	66.7	44.8
FZ 1721	23.0	66.7	44.8
MEYER	25.0	63.3	44.2
DALZ 1701	21.0	65.0	43.0
FZ 1368	25.3	58.3	41.8
DALZ 1806	20.7	61.7	41.2
DALZ 1714	21.3	58.3	39.8
DALZ 1409	20.7	58.3	39.5
DALZ 1802	20.7	55.0	37.8
DALZ 1807	18.7	46.7	32.7
LSD VALUE	4.7	7.9	4.6
C.V. (%)	11.2	7.1	6.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 32. PERCENT ESTABLISHMENT RATINGS OF ZOYSIAGRASS CULTIVARS
AT MANHATTAN, KS 1/
2019-20 DATA 2/

NAME	SEPT 2019	MAY 2020	JUNE 2020	AUGUST 2020	MEAN
EMPIRE	75.0	81.7	96.0	99.0	87.9
DALZ 1311	61.7	75.3	92.7	99.0	82.2
DALZ 1601	56.7	76.7	92.7	99.0	81.3
DALZ 1603	53.3	75.0	90.0	99.0	79.3
FZ 1407	43.3	65.0	91.0	99.0	74.6
FZ 1327	41.7	70.0	90.0	96.0	74.4
DALZ 1707	40.0	68.3	85.0	99.0	73.1
FAES 1319	33.3	68.7	73.3	99.0	68.6
DALZ 1808	26.7	63.3	85.0	99.0	68.5
ZEON	24.3	66.7	86.0	94.3	67.8
DALZ 1701	30.0	56.7	83.3	99.0	67.3
15-TZ-11715	27.7	63.3	78.3	97.7	66.8
16-TZ-12783	51.7	40.0	70.0	94.7	64.1
FZ 1410	26.7	53.3	75.0	99.0	63.5
DALZ 1614	26.7	56.7	68.3	96.0	61.9
FZ 1422	21.7	53.3	73.3	99.0	61.8
EMERALD	17.7	53.0	76.7	91.3	59.7
FZ 1727	20.7	47.7	70.0	97.7	59.0
16-TZ-13463	33.3	51.0	58.3	91.7	58.6
FZ 1732	22.3	48.3	65.0	93.3	57.3
FZ 1723	17.3	38.7	68.3	94.7	54.8
FAES 1335	28.3	28.3	60.0	86.7	50.8
DALZ 1613	20.0	36.0	63.3	83.3	50.7
MEYER	16.7	31.0	65.0	89.3	50.5
FZ 1722	14.0	21.7	60.0	90.0	46.4
FZ 1440	25.0	3.0	50.0	76.7	38.7
FZ 1728	17.7	6.7	46.7	76.7	36.9
FZ 1436	23.3	3.7	36.7	71.7	33.8
DALZ 1713	19.3	3.7	36.7	73.3	33.3
FZ 1367	22.3	0.3	24.0	63.3	27.5
DALZ 1408	18.3	1.7	16.7	56.7	23.3
UGA GZ 17-4	13.3	3.0	16.7	60.0	23.3
DALZ 1714	20.0	2.3	20.0	48.3	22.7
DALZ 1409	10.0	1.7	10.0	40.0	15.4
DALZ 1806	10.0	1.3	11.0	30.0	13.1
FZ 1721	20.0	0.0	0.3	4.0	6.1
DALZ 1802	10.7	0.0	1.0	5.7	4.3
FZ 1368	13.3	0.0	0.0	3.3	4.2
DALZ 1807	10.0	0.0	0.0	0.0	2.5
LSD VALUE	13.0	13.9	10.1	11.4	8.4
C.V. (%)	31.3	26.1	12.4	10.2	11.8

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 33. PERCENT ESTABLISHMENT RATINGS OF ZOYSIAGRASS CULTIVARS
AT STILLWATER, OK 1/
2020 DATA 2/

NAME	SPRING	SUMMER	FALL	MEAN
16-TZ-12783	97.7	99.0	99.0	98.6
FZ 1410	97.7	99.0	99.0	98.6
DALZ 1601	96.3	99.0	99.0	98.1
FZ 1407	96.3	99.0	99.0	98.1
EMPIRE	95.7	99.0	99.0	97.9
16-TZ-13463	93.7	99.0	99.0	97.2
DALZ 1311	93.0	97.0	99.0	96.3
DALZ 1603	93.3	96.7	99.0	96.3
DALZ 1707	94.7	94.7	99.0	96.1
FZ 1327	89.7	99.0	99.0	95.9
DALZ 1613	90.3	98.0	99.0	95.8
DALZ 1408	89.0	97.7	99.0	95.2
ZEON	88.7	97.7	99.0	95.1
FZ 1722	86.7	99.0	99.0	94.9
DALZ 1614	87.0	96.0	99.0	94.0
15-TZ-11715	85.0	97.3	99.0	93.8
FAES 1319	86.3	96.0	99.0	93.8
DALZ 1808	87.0	94.7	99.0	93.6
FZ 1723	86.7	94.7	99.0	93.4
FZ 1440	83.3	97.3	99.0	93.2
FZ 1732	81.7	98.3	99.0	93.0
FZ 1367	80.7	99.0	99.0	92.9
FZ 1436	85.0	94.7	99.0	92.9
DALZ 1713	78.3	99.0	99.0	92.1
FZ 1422	80.0	94.7	99.0	91.2
DALZ 1701	80.7	89.7	99.0	89.8
FAES 1335	80.0	90.3	99.0	89.8
FZ 1727	80.7	96.3	91.3	89.4
DALZ 1714	71.0	91.3	99.0	87.1
EMERALD	72.7	89.0	99.0	86.9
FZ 1728	78.3	83.3	99.0	86.9
FZ 1721	70.0	81.7	99.0	83.6
DALZ 1806	61.7	85.7	99.0	82.1
UGA GZ 17-4	61.7	85.0	99.0	81.9
DALZ 1409	64.0	83.3	96.7	81.3
FZ 1368	60.0	79.0	99.0	79.3
MEYER	55.0	82.3	99.0	78.8
DALZ 1802	60.0	80.0	76.0	63.1
DALZ 1807	55.0	67.5	76.0	59.2
LSD VALUE	14.2	7.8	31.2	11.8
C.V. (%)	10.7	5.2	9.3	8.0

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 34. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT RIVERSIDE, CA 1/
2019 DATA

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

NAME	COLOR DECEMBER	PERCENT ESTABLISHMENT SEPTEMBER-DECEMBER 2019 SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	QUALITY
DALZ 1802	7.3	20.0	26.7	43.3	48.3	6.3
DALZ 1408	6.7	26.7	36.7	53.3	60.0	6.0
DALZ 1806	7.0	20.0	30.0	46.7	53.3	6.0
DALZ 1807	6.7	13.3	21.7	26.7	36.7	6.0
FZ 1727	6.3	43.3	53.3	58.3	66.7	6.0
DALZ 1614	5.7	33.3	38.3	53.3	50.0	5.3
DALZ 1713	6.0	26.7	33.3	41.7	53.3	5.3
DALZ 1714	5.0	25.0	33.3	48.3	53.3	5.3
FAES 1335	6.7	41.7	51.7	63.3	68.3	5.3
FZ 1367	6.0	43.3	50.0	65.0	66.7	5.3
FZ 1368	5.7	25.0	30.0	41.7	48.3	5.3
FZ 1436	6.7	33.3	43.3	55.0	63.3	5.3
FZ 1440	5.0	43.3	48.3	68.3	71.7	5.3
UGA GZ 17-4	5.7	30.0	38.3	51.7	58.3	5.3
DALZ 1409	5.7	20.0	33.3	38.3	50.0	5.0
FAES 1319	5.7	45.0	51.7	61.7	63.3	5.0
FZ 1721	5.3	21.7	31.7	41.7	50.0	5.0
ZEON	6.0	51.7	58.3	71.7	71.7	5.0
15-TZ-11715	4.0	33.3	40.0	53.3	65.0	4.7
DALZ 1601	4.7	35.0	45.0	60.0	66.7	4.7
DALZ 1603	4.7	48.3	58.3	66.7	71.7	4.7
DALZ 1613	5.0	25.0	36.7	60.0	58.3	4.7
DALZ 1701	3.3	35.0	38.3	51.7	46.7	4.7
FZ 1722	5.3	40.0	45.0	51.7	60.0	4.7
FZ 1728	6.0	25.0	33.3	48.3	51.7	4.7
FZ 1732	5.7	30.0	38.3	58.3	63.3	4.7
16-TZ-13463	4.3	30.0	41.7	55.0	60.0	4.3
DALZ 1808	3.7	41.7	45.0	60.0	65.0	4.3
EMERALD	3.7	33.3	45.0	50.0	55.0	4.3
FZ 1422	3.3	35.0	38.3	51.7	61.7	4.3
FZ 1723	5.3	23.3	35.0	43.3	53.3	4.3
16-TZ-12783	4.3	46.7	46.7	55.0	66.7	4.0
DALZ 1311	4.3	46.7	58.3	68.3	68.3	4.0
DALZ 1707	3.0	26.7	38.3	45.0	55.0	4.0
EMPIRE	4.0	60.0	60.0	71.7	70.0	4.0
FZ 1327	3.3	31.7	41.7	56.7	58.3	4.0
FZ 1407	3.7	31.7	40.0	51.7	61.7	4.0
FZ 1410	5.0	55.0	63.3	73.3	71.7	4.0
MEYER	2.0	21.7	28.3	31.7	40.0	3.7
LSD VALUE	1.2	13.1	11.6	15.8	13.6	0.9
C.V. (%)	15.6	24.2	17.5	17.5	13.6	11.0

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 */
2020 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
15-TZ-11715	6.0	16.7
16-TZ-12783	5.9	16.7
16-TZ-13463	5.8	16.7
DALZ 1311	5.8	25.0
DALZ 1408	5.5	50.0
DALZ 1409	5.1	0.0
DALZ 1601	5.6	8.3
DALZ 1603	5.9	33.3
DALZ 1613	6.0	16.7
DALZ 1614	6.3	50.0
DALZ 1701	6.1	16.7
DALZ 1707	6.1	25.0
DALZ 1713	5.4	16.7
DALZ 1714	4.9	0.0
DALZ 1802	5.0	25.0
DALZ 1806	5.1	16.7
DALZ 1807	4.6	0.0
DALZ 1808	6.2	25.0
EMERALD	6.4	25.0
EMPIRE	6.1	33.3
FAES 1319	6.4	58.3
FAES 1335	5.7	16.7
FZ 1327	5.6	0.0
FZ 1367	5.7	25.0
FZ 1368	5.0	16.7
FZ 1407	5.8	16.7
FZ 1410	6.0	33.3
FZ 1422	6.2	33.3
FZ 1436	5.8	50.0
FZ 1440	5.9	41.7
FZ 1721	4.8	0.0
FZ 1722	5.9	25.0
FZ 1723	5.8	0.0
FZ 1727	6.4	50.0
FZ 1728	5.3	8.3
FZ 1732	6.5	58.3
MEYER	4.9	8.3
UGA GZ 17-4	5.3	25.0
ZEON	6.4	41.7
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.25% OF ALL ENTRIES..