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, one member from the Sports Turf Managers Association of America (STMA), 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. Sean Chaney, DLF North America
Mr. Bo Lacy, Barenbrug USA.
Dr. Cole Thompson, USGA Green Section
Dr. Barry Stewart, Mississippi 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.
Dr. Mike Fidanza, Penn State University, Berks Campus
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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 2021

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
Maryland	College Park	MD1
Missouri	Columbia (Large Patch Tolerance)	MO1
North Carolina	Raleigh	NC1
North Carolina	Raleigh (Traffic)	NC2
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 2022

TABLE A. 2021 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	LOAMY SAND	6.1-6.5	0-60	2	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
AR1	-	6.6-7.0	0-60	0-150	-	FULL SUN	1.6-2.0	-
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	-	-	-	-	-	-	-	-
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	6.6-7.0	61-150	151-240	1.1-2.0	FULL SUN	0.0-0.5	ONLY DURING SEVERE STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	0.0-1.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
MO1	-	-	-	-	-	-	-	-
NC1	SANDY LOAM	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NC2	SANDY LOAM	6.1-6.5	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	2.1-3.0	FULL SUN	0.6-1.0	ONLY DURING SEVERE STRESS
TX2	-	7.6-8.5	-	-	0.0-1.0	FULL SUN	2.1-2.5	TO PREVENT STRESS

TABLE B. LOCATIONS AND DATA COLLECTED IN 2021

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	X	X	X
AR1						X	X	X	X				X		X
CA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FL1	X	X	X	X	X	X	X	X	X	X	X		X	X	X
FL3			X	X	X	X	X	X	X	X			X	X	X
FL5	X	X	X	X	X	X	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	X				X	X	X
MD1						X	X	X	X	X					
MO1				X	X	X	X	X	X	X					
NC1					X	X	X	X	X	X			X	X	X
NC2															
OK1				X	X	X	X	X	X	X			X	X	X
TN1				X	X	X	X	X	X	X	X		X	X	X
TX1				X		X	X	X	X	X			X	X	X
TX2					X	X	X	X	X	X			X	X	X

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2021

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	PERCENT WINTER KILL	DROUGHT TOLERANCE WILTING	DROUGHT TOLERANCE RECOVERY	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	SEEDHEAD RATINGS	MORE SEEDHEAD
AL1											X			X		
AR1				X								X				
CA3														X	X	X
FL1							X									
FL3															X	X
FL5						X										
GA1											X	X				
IN1					X	X						X			X	X
KS1									X				X		X	
MD1																
MO1				X												
NC1		X			X								X			
* NC2																
OK1				X	X	X					X	X	X		X	
TN1	X	X	X	X	X	X										
TX1	X			X				X	X	X			X		X	
* TX2																

* MORE DATA FOR NC2 AND TX2 IN TABLE

TABLE 1. TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2021 DATA

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

NAME	ENTRY #	MD1	NC1	GA1	FL1	FL3	TN1	AR1	OK1	MEAN
* FAES 1319	31	8.1	6.1	6.0	6.0	6.5	7.2	7.3	6.3	6.7
FZ 1727	9	8.0	6.1	5.9	6.1	6.3	7.1	7.4	6.1	6.6
FZ 1732	39	7.9	5.8	5.8	5.9	6.3	7.0	7.3	6.1	6.5
FZ 1722	36	7.8	6.0	5.8	6.0	6.2	7.0	7.3	6.0	6.5
FAES 1335	32	7.6	5.9	5.8	6.0	6.1	7.0	7.3	5.9	6.5
DALZ 1808	21	8.0	5.8	5.7	5.7	6.3	6.9	7.1	6.1	6.5
DALZ 1701	29	7.9	5.6	5.6	5.7	6.4	6.9	7.1	6.2	6.4
DALZ 1613	27	7.6	6.0	5.7	5.7	6.2	6.9	7.0	6.0	6.4
FZ 1440	7	7.1	5.8	5.8	6.1	6.0	6.9	7.3	5.9	6.4
* EMERALD	2	7.9	5.5	5.5	5.6	6.3	6.8	7.1	6.1	6.4
DALZ 1707	30	7.7	5.9	5.7	5.6	6.2	6.9	6.9	6.0	6.4
* ZEON	3	7.8	5.5	5.5	5.6	6.3	6.8	7.0	6.1	6.3
16-TZ-12783	12	7.8	5.8	5.6	5.8	5.9	6.8	7.1	5.7	6.3
DALZ 1614	28	7.4	5.6	5.5	5.5	6.2	6.8	6.9	6.0	6.2
* EMPIRE	15	6.9	5.7	5.5	5.3	6.3	6.8	6.6	6.0	6.1
DALZ 1311	22	6.8	6.1	5.6	5.3	6.1	6.8	6.5	5.7	6.1
FZ 1407	34	6.9	5.9	5.5	5.3	6.1	6.8	6.6	5.8	6.1
15-TZ-11715	11	7.7	5.4	5.3	5.5	5.9	6.5	6.9	5.7	6.1
FZ 1422	8	7.0	5.6	5.4	5.2	6.2	6.7	6.6	6.0	6.1
DALZ 1601	25	7.1	5.9	5.5	5.3	6.0	6.7	6.6	5.7	6.1
FZ 1436	10	6.7	5.5	5.5	5.8	5.8	6.7	7.1	5.7	6.1
FZ 1367	6	5.5	5.9	5.7	5.6	6.2	7.0	6.8	5.9	6.1
FZ 1327	33	7.0	6.1	5.5	5.3	5.9	6.7	6.5	5.6	6.1
DALZ 1603	26	7.0	5.7	5.4	5.2	6.0	6.7	6.5	5.7	6.0
16-TZ-13463	13	7.2	5.6	5.4	5.4	5.8	6.6	6.7	5.6	6.0
DALZ 1408	23	6.3	5.4	5.5	5.8	5.8	6.7	7.0	5.7	6.0
FZ 1723	37	6.2	6.0	5.6	5.2	6.2	6.8	6.4	5.8	6.0
FZ 1410	4	6.8	5.6	5.3	5.1	6.0	6.6	6.4	5.7	5.9
DALZ 1409	24	5.8	5.5	5.4	5.6	5.9	6.6	6.8	5.7	5.9
UGA GZ 17-4	14	5.7	5.6	5.4	5.4	5.9	6.6	6.6	5.6	5.9
DALZ 1713	16	5.7	5.7	5.4	5.3	5.9	6.7	6.5	5.6	5.9
DALZ 1806	19	4.3	5.9	5.5	5.0	6.0	6.8	6.1	5.6	5.7
FZ 1728	38	5.9	5.5	5.1	5.0	5.5	6.3	6.1	5.2	5.6
* MEYER	1	5.9	5.4	4.9	4.6	5.5	6.1	5.8	5.1	5.4
DALZ 1802	18	2.9	5.6	5.3	4.8	6.1	6.7	5.8	5.7	5.3
FZ 1368	5	2.7	5.8	5.4	4.6	6.2	6.7	5.6	5.7	5.3
DALZ 1714	17	2.9	5.5	5.2	4.6	6.0	6.5	5.6	5.5	5.2
FZ 1721	35	2.1	5.5	5.1	4.3	6.0	6.5	5.3	5.5	5.0
DALZ 1807	20	1.6	5.3	4.9	4.0	5.9	6.3	5.0	5.4	4.8
LSD VALUE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)		10.1	11.3	11.7	12.0	10.7	9.6	9.7	11.2	10.7

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2022

**/ 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 */
2021 DATA

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

NAME	ENTRY #	AL1	MO1	MEAN
EMERALD	2	5.7	7.3	6.5
ZEON	3	5.7	6.9	6.3
DALZ 1701	29	5.6	6.8	6.2
FZ 1422	8	5.0	6.3	5.6
DALZ 1614	28	5.2	6.0	5.6
DALZ 1808	21	5.1	5.7	5.4
FAES 1319	31	5.3	5.3	5.3
FZ 1732	39	5.4	5.0	5.2
EMPIRE	15	4.8	5.5	5.2
15-TZ-11715	11	5.0	4.9	4.9
DALZ 1707	30	4.7	5.1	4.9
FZ 1410	4	4.4	4.9	4.7
FZ 1727	9	5.1	4.0	4.6
DALZ 1613	27	4.9	4.2	4.6
DALZ 1603	26	4.3	4.4	4.4
FZ 1722	36	5.2	3.5	4.4
FZ 1407	34	4.3	4.3	4.3
FAES 1335	32	5.1	3.2	4.2
FZ 1440	7	5.6	2.4	4.0
DALZ 1409	24	5.5	2.4	4.0
FZ 1436	10	5.6	2.3	4.0
DALZ 1408	23	5.7	2.2	4.0
16-TZ-12783	12	4.8	3.0	3.9
16-TZ-13463	13	4.4	3.3	3.9
DALZ 1601	25	4.0	3.6	3.8
FZ 1723	37	4.2	3.5	3.8
UGA GZ 17-4	14	5.0	2.5	3.8
FZ 1367	6	5.4	2.1	3.8
DALZ 1311	22	3.9	3.2	3.5
DALZ 1713	16	4.8	2.1	3.4
DALZ 1802	18	5.0	1.7	3.4
FZ 1368	5	4.6	1.7	3.2
DALZ 1714	17	4.7	1.5	3.1
FZ 1721	35	4.5	1.7	3.1
DALZ 1807	20	4.3	1.8	3.1
MEYER	1	3.4	2.6	3.0
FZ 1327	33	3.5	2.2	2.9
DALZ 1806	19	4.3	1.3	2.8
FZ 1728	38	3.8	1.6	2.7
LSD VALUE		1.0	1.0	1.0
C.V. (%)		13.4	17.7	15.3

*/ 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 3. TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2021 DATA

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

NAME	ENTRY #	FL5	CA3	MEAN
FZ 1367	6	7.8	6.4	7.1
FZ 1440	7	7.7	6.3	7.0
DALZ 1802	18	7.5	6.3	6.9
FZ 1368	5	7.6	6.2	6.9
DALZ 1408	23	7.4	6.3	6.9
FZ 1722	36	7.7	6.0	6.8
FZ 1727	9	7.7	5.9	6.8
FAES 1335	32	7.7	6.0	6.8
FZ 1436	10	7.4	6.2	6.8
DALZ 1409	24	7.4	6.2	6.8
DALZ 1806	19	7.7	5.9	6.8
FAES 1319	31	7.7	5.9	6.8
DALZ 1714	17	7.4	6.1	6.7
FZ 1732	39	7.5	5.9	6.7
DALZ 1713	16	7.5	5.9	6.7
UGA GZ 17-4	14	7.4	5.9	6.7
FZ 1721	35	7.3	6.0	6.6
DALZ 1613	27	7.5	5.7	6.6
16-TZ-12783	12	7.5	5.7	6.6
FZ 1723	37	7.5	5.5	6.5
DALZ 1808	21	7.4	5.6	6.5
DALZ 1807	20	7.1	5.8	6.5
DALZ 1701	29	7.2	5.7	6.4
DALZ 1311	22	7.5	5.3	6.4
DALZ 1707	30	7.4	5.4	6.4
EMPIRE	15	7.2	5.5	6.4
DALZ 1614	28	7.2	5.6	6.4
FZ 1407	34	7.4	5.4	6.4
FZ 1327	33	7.5	5.1	6.3
ZEON	3	7.0	5.7	6.3
EMERALD	2	7.0	5.7	6.3
16-TZ-13463	13	7.2	5.3	6.3
DALZ 1601	25	7.4	5.2	6.3
FZ 1422	8	7.0	5.4	6.2
DALZ 1603	26	7.2	5.2	6.2
15-TZ-11715	11	7.0	5.4	6.2
FZ 1728	38	7.1	5.2	6.2
FZ 1410	4	7.1	5.2	6.1
MEYER	1	6.8	4.7	5.8
LSD VALUE		1.0	1.0	1.0
C.V. (%)		8.8	11.3	9.9

*/ 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 */
2021 DATA

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

NAME	ENTRY #	IN1	KS1	MEAN
DALZ 1707	30	8.8	7.2	8.0
DALZ 1808	21	8.6	7.1	7.8
FZ 1422	8	8.4	7.1	7.8
DALZ 1701	29	8.3	7.1	7.7
EMERALD	2	8.3	7.1	7.7
FAES 1319	31	8.3	6.9	7.6
FZ 1407	34	8.2	6.7	7.4
DALZ 1603	26	8.2	6.7	7.4
FZ 1410	4	8.1	6.7	7.4
EMPIRE	15	8.0	6.8	7.4
ZEON	3	7.9	6.8	7.4
DALZ 1614	28	7.9	6.8	7.4
DALZ 1601	25	8.1	6.6	7.4
DALZ 1311	22	8.1	6.6	7.3
FZ 1327	33	7.9	6.2	7.1
DALZ 1613	27	7.3	6.1	6.7
FZ 1723	37	7.2	6.1	6.6
15-TZ-11715	11	7.1	5.9	6.5
FZ 1732	39	7.0	5.9	6.5
FZ 1727	9	6.9	5.7	6.3
MEYER	1	6.9	5.6	6.3
16-TZ-13463	13	6.7	5.5	6.1
16-TZ-12783	12	6.0	4.9	5.5
FZ 1722	36	5.8	5.0	5.4
FAES 1335	32	5.6	4.8	5.2
FZ 1728	38	5.1	4.3	4.7
DALZ 1713	16	3.5	3.4	3.4
UGA GZ 17-4	14	3.4	3.3	3.4
DALZ 1806	19	3.3	3.4	3.3
FZ 1440	7	3.3	3.1	3.2
FZ 1367	6	2.4	2.8	2.6
FZ 1436	10	2.2	2.4	2.3
DALZ 1409	24	1.9	2.3	2.1
FZ 1368	5	1.6	2.5	2.1
DALZ 1408	23	1.7	2.1	1.9
FZ 1721	35	1.2	2.3	1.7
DALZ 1807	20	1.0	2.2	1.6
DALZ 1714	17	0.9	1.9	1.4
DALZ 1802	18	0.6	1.8	1.2
LSD VALUE		1.0	1.0	1.0
C.V. (%)		11.4	12.9	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 5. MEAN TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS GROWN AT SIX LOCATIONS IN THE U.S. 1/ MAINTAINED USING "SCHEDULE A" * 2021 DATA

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

NAME	AL1	FL5	GA1	KS1	MD1	MO1	MEAN
DALZ 1701	5.6	7.2	5.5	7.2	7.7	6.8	6.7
EMERALD	5.6	6.9	5.1	7.1	7.9	7.3	6.6
FAES 1319	6.2	7.9	5.2	7.1	8.1	5.0	6.6
ZEON	5.8	6.8	5.3	7.0	8.0	6.8	6.6
DALZ 1808	5.1	7.3	5.5	7.3	8.0	5.8	6.5
FZ 1422	4.9	7.3	5.7	7.2	6.9	6.3	6.4
EMPIRE	5.5	7.5	6.0	6.5	7.0	5.5	6.3
FZ 1732	5.0	7.8	6.0	5.9	8.0	5.2	6.3
DALZ 1707	4.4	7.4	5.4	7.1	8.0	5.2	6.2
DALZ 1614	4.6	6.9	5.5	6.1	7.5	6.3	6.2
FZ 1727	6.1	7.8	5.5	5.8	7.7	3.5	6.1
15-TZ-11715	5.0	6.8	6.1	6.3	7.6	4.7	6.1
DALZ 1613	5.6	7.1	5.6	6.6	7.4	3.9	6.0
DALZ 1603	4.5	7.4	5.6	6.9	6.8	4.4	5.9
FZ 1410	4.0	7.2	5.8	6.7	6.9	4.9	5.9
FZ 1407	4.3	7.4	5.7	6.7	6.9	4.4	5.9
16-TZ-12783	5.1	7.8	6.1	4.8	7.9	3.0	5.8
FAES 1335	5.7	7.5	5.6	5.2	7.7	2.8	5.7
FZ 1722	6.1	7.6	5.5	4.6	7.5	3.1	5.7
DALZ 1601	3.7	7.2	5.5	6.9	6.9	3.7	5.7
DALZ 1311	3.6	7.3	5.5	6.9	7.0	3.3	5.6
16-TZ-13463	5.1	7.1	5.7	5.0	7.5	3.2	5.6
FZ 1440	5.9	7.8	5.7	3.1	7.1	2.4	5.3
FZ 1327	3.1	7.6	5.4	6.4	7.1	2.4	5.3
FZ 1723	3.7	7.1	5.3	5.7	5.8	3.4	5.2
FZ 1436	5.5	7.7	5.8	2.7	6.9	2.2	5.2
MEYER	2.6	7.5	5.0	6.2	6.6	3.0	5.1
DALZ 1713	4.9	7.5	5.6	4.2	5.8	1.9	5.0
DALZ 1408	5.1	7.7	5.7	2.2	6.5	2.5	5.0
FZ 1367	5.3	7.6	5.4	2.5	5.3	2.2	4.7
DALZ 1409	4.2	7.3	5.2	2.3	6.1	3.0	4.7
UGA GZ 17-4	4.1	7.3	5.7	2.5	5.4	3.0	4.7
FZ 1728	3.0	7.3	5.1	3.9	5.7	2.0	4.5
FZ 1368	5.3	7.6	5.3	.	2.5	1.3	4.4
DALZ 1806	4.7	7.3	5.3	2.1	4.1	1.2	4.1
FZ 1721	5.3	7.3	5.4	2.6	2.2	1.5	4.0
DALZ 1714	5.3	7.2	5.0	2.1	2.8	1.1	3.9
DALZ 1802	5.2	7.4	5.0	1.6	2.5	1.6	3.9
DALZ 1807	3.5	7.5	5.0	1.7	2.1	2.2	3.7
LSD VALUE	1.9	0.6	0.6	0.7	0.6	2.0	0.5
C.V. (%)	24.4	4.9	6.3	8.1	6.1	34.5	14.1

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

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

3/ SCHEDULE B (ALTHETIC FIELD/HOME LAWN) MOWING HEIGHT: 1.5"-2.0" WITH ROTARY MOWER. NITROGEN RATE: 0.0-0.25 lb. N/1000 sq. ft./GROWING MONTH (USE 1-3 APPLICATIONS PER YEAR- NOT MONTHLY APPLICATIONS. IRRIGATION: TO PREVENT DORMANCY OR SEVERE STRESS. FUNGICIDE AND INSECTICIDE TO BE APPLIED ON A CURATIVE BASIS ONLY TO PREVENT SEVERE STAND LOSS. PRE-EMERGENT GRASS CONTROL IS ALLOWED; BROADLEAF WEED CONTROL AS NEEDED TO PREVENT STAND LOSS.

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS GROWN AT EIGHT LOCATIONS IN THE U.S. 1/ MAINTAINED USING "SCHEDULE B" * 2021 DATA

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

NAME	AR1	CA3	FL1	FL3	IN1	NC1	OK1	TN1	MEAN
FAES 1319	7.2	5.6	5.9	6.5	8.3	6.6	6.3	6.8	6.6
EMERALD	7.3	5.8	5.9	6.4	8.3	5.7	6.5	6.4	6.5
DALZ 1707	6.8	5.6	5.2	6.4	8.8	6.0	6.5	6.9	6.5
DALZ 1808	6.9	5.4	5.9	5.8	8.3	6.4	5.8	7.4	6.5
DALZ 1701	7.1	5.9	6.0	6.4	8.4	5.2	5.9	7.0	6.5
FZ 1727	7.5	5.9	6.0	6.2	7.3	5.3	6.0	7.8	6.5
DALZ 1614	6.7	5.9	5.8	6.3	8.2	5.9	5.6	7.2	6.4
FZ 1732	7.0	5.8	6.5	6.5	6.8	5.7	6.1	6.6	6.4
FZ 1722	7.3	6.1	6.2	6.2	6.5	5.8	6.3	6.6	6.4
ZEON	7.5	6.0	4.6	6.3	7.8	5.7	6.1	6.9	6.4
FZ 1723	7.5	6.1	4.9	6.3	7.7	5.2	6.3	7.0	6.4
DALZ 1613	6.6	5.9	6.3	5.6	7.3	5.9	5.7	7.4	6.3
DALZ 1311	6.5	5.2	5.4	6.3	7.7	6.3	5.5	7.0	6.2
FZ 1422	6.5	5.2	6.0	6.5	8.3	5.2	6.0	6.0	6.2
FZ 1407	6.5	5.2	5.4	6.1	8.1	6.3	5.7	6.4	6.2
DALZ 1601	6.7	5.2	5.8	5.5	7.9	5.8	5.9	7.0	6.2
FAES 1335	7.0	6.9	6.0	6.3	5.7	5.7	5.6	6.5	6.2
FZ 1327	6.5	5.1	5.4	5.8	7.7	6.2	5.5	7.1	6.2
EMPIRE	6.5	4.9	4.5	6.0	8.2	6.2	5.5	7.2	6.1
DALZ 1603	6.8	5.3	5.5	5.5	8.2	5.7	5.7	6.3	6.1
FZ 1410	6.7	5.3	4.7	6.4	8.1	4.6	5.8	7.0	6.1
16-TZ-12783	6.8	5.7	5.5	6.1	6.1	5.8	5.5	6.3	6.0
15-TZ-11715	7.0	4.9	5.6	6.2	6.9	4.7	5.7	6.6	6.0
16-TZ-13463	5.8	5.6	4.9	5.5	7.1	6.1	5.7	6.6	5.9
FZ 1440	7.3	6.0	5.9	5.7	3.2	6.4	5.8	6.9	5.9
FZ 1367	7.2	6.0	6.1	6.8	2.5	6.5	5.8	6.4	5.9
UGA GZ 17-4	7.4	6.3	5.5	5.4	3.8	6.3	5.9	5.9	5.8
DALZ 1806	6.5	6.1	4.1	6.5	4.3	5.7	5.6	7.4	5.8
DALZ 1409	7.2	6.1	5.3	5.8	1.3	6.1	5.9	7.3	5.6
FZ 1728	6.1	5.9	6.1	5.8	5.3	5.7	4.5	5.3	5.6
DALZ 1713	6.4	5.4	5.5	6.3	2.9	4.9	5.6	7.1	5.5
FZ 1436	7.0	6.1	5.5	5.9	1.9	4.7	5.8	7.1	5.5
DALZ 1408	6.8	6.1	5.8	5.6	1.4	5.3	5.9	6.9	5.5
MEYER	6.1	3.8	3.5	5.8	5.9	5.9	5.9	5.8	5.3
DALZ 1802	6.8	6.8	4.2	6.2	1.0	5.6	5.8	6.0	5.3
FZ 1368	5.7	5.7	5.8	5.8	1.0	5.4	5.9	6.8	5.3
DALZ 1714	5.4	6.1	4.5	5.7	1.0	5.1	5.7	7.1	5.1
FZ 1721	4.7	5.5	4.4	6.0	1.0	5.9	5.0	6.2	4.8
DALZ 1807	3.9	6.5	3.8	6.0	1.0	5.4	5.3	6.4	4.8
LSD VALUE	0.6	0.8	1.0	0.8	0.6	1.2	0.4	1.2	0.3
C.V. (%)	5.3	8.4	11.1	8.7	6.8	12.4	4.7	11.2	8.9

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

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

3/ SCHEDULE B (ALTHETIC FIELD/HOME LAWN) MOWING HEIGHT: 1.5"-2.0" WITH ROTARY MOWER. NITROGEN RATE: 0.0-0.25 lb. N/1000 sq. ft./GROWING MONTH (USE 1-3 APPLICATIONS PER YEAR- NOT MONTHLY APPLICATIONS. IRRIGATION: TO PREVENT DORMANCY OR SEVERE STRESS. FUNGICIDE AND INSECTICIDE TO BE APPLIED ON A CURATIVE BASIS ONLY TO PREVENT SEVERE STAND LOSS. PRE-EMERGENT GRASS CONTROL IS ALLOWED; BROADLEAF WEED CONTROL AS NEEDED TO PREVENT STAND LOSS.

TABLE 7. PERCENT GROUND COVER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER TRAFFIC AT RALEIGH, NC 1/ 2021 DATA 2/

NAME	SEPTEMBER 16		SEPTEMBER 23		SEPTEMBER 30		OCTOBER 7		OCTOBER 15	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
DALZ 1714	99.0	97.0	99.0	90.0	99.0	81.7	99.0	71.7	99.0	71.7
DALZ 1802	99.0	97.0	99.0	86.7	99.0	75.0	99.0	68.3	99.0	68.3
FZ 1368	99.0	96.0	99.0	87.3	99.0	80.0	99.0	66.7	99.0	66.0
FAES 1319	98.3	93.3	98.3	85.0	98.3	75.0	98.3	65.0	98.3	61.7
DALZ 1614	98.3	95.7	98.3	83.3	98.3	75.0	98.3	65.0	98.3	61.7
15-TZ-11715	99.0	91.7	99.0	81.7	99.0	66.7	99.0	60.0	99.0	60.0
DALZ 1806	99.0	91.7	99.0	78.3	99.0	60.0	99.0	50.0	99.0	50.0
FZ 1722	99.0	95.7	99.0	85.7	99.0	70.0	99.0	58.3	99.0	58.3
16-TZ-13463	99.0	91.7	99.0	80.0	99.0	66.7	99.0	53.3	99.0	53.3
DALZ 1601	99.0	95.0	99.0	83.3	99.0	68.3	99.0	56.7	99.0	55.0
DALZ 1701	99.0	91.3	99.0	81.7	99.0	70.0	99.0	58.3	99.0	58.3
DALZ 1713	99.0	91.7	99.0	80.0	99.0	65.0	99.0	55.0	99.0	53.3
DALZ 1409	99.0	93.3	99.0	80.0	99.0	61.7	99.0	46.7	99.0	46.7
DALZ 1603	99.0	90.0	99.0	80.0	99.0	63.3	99.0	51.7	99.0	50.0
FZ 1422	99.0	93.3	99.0	83.3	99.0	66.7	99.0	55.0	99.0	55.0
DALZ 1311	99.0	88.3	99.0	78.3	99.0	65.0	99.0	55.0	99.0	51.7
DALZ 1408	99.0	88.3	99.0	76.7	99.0	58.3	99.0	48.3	99.0	46.7
DALZ 1707	99.0	93.3	99.0	83.3	99.0	66.7	99.0	56.7	99.0	55.0
FAES 1335	99.0	90.0	99.0	80.0	99.0	68.3	99.0	56.7	99.0	53.3
FZ 1367	99.0	92.3	99.0	81.7	99.0	61.7	99.0	56.7	99.0	53.3
16-TZ-12783	99.0	88.3	99.0	78.3	99.0	65.0	99.0	50.0	99.0	50.0
FZ 1407	99.0	94.0	99.0	81.7	99.0	65.0	99.0	53.3	99.0	51.7
FZ 1436	99.0	88.3	99.0	76.7	99.0	55.0	99.0	43.3	99.0	43.3
FZ 1723	99.0	94.0	99.0	81.7	99.0	65.0	99.0	51.7	99.0	50.0
UGA GZ 17-4	99.0	93.3	99.0	81.7	99.0	63.3	99.0	46.7	99.0	44.0
DALZ 1613	99.0	88.3	99.0	80.0	99.0	58.3	99.0	48.3	99.0	47.7
EMERALD	99.0	93.3	99.0	82.7	99.0	66.7	99.0	51.7	99.0	48.3
EMPIRE	99.0	94.0	99.0	84.0	99.0	71.7	99.0	55.0	99.0	51.7
ZEON	99.0	90.0	99.0	81.0	99.0	66.7	99.0	51.7	99.0	46.7
FZ 1327	99.0	86.7	99.0	76.7	99.0	58.3	99.0	46.7	99.0	45.0
FZ 1410	99.0	90.0	99.0	80.0	99.0	63.3	99.0	51.7	99.0	48.3
MEYER	97.7	91.7	97.7	81.0	97.7	70.0	97.7	53.3	97.7	51.7
DALZ 1807	97.7	83.3	97.7	70.0	96.0	50.0	96.0	41.7	96.0	41.7
FZ 1440	99.0	90.0	99.0	76.7	99.0	53.3	99.0	43.3	99.0	41.7
FZ 1727	99.0	92.3	99.0	78.3	99.0	63.3	99.0	48.3	99.0	45.0
FZ 1732	98.3	90.0	98.3	78.3	98.3	66.7	98.3	53.3	98.3	46.7
DALZ 1808	99.0	86.7	99.0	76.7	99.0	55.0	99.0	45.0	99.0	40.0
FZ 1728	99.0	86.7	99.0	73.3	99.0	48.3	99.0	40.0	99.0	37.7
FZ 1721	93.3	85.0	93.3	75.0	93.3	50.0	93.3	41.7	95.0	40.0
LSD VALUE	1.3	7.1	1.3	7.9	2.0	10.9	2.0	10.0	2.0	9.7
C.V. (%)	0.8	4.0	0.8	5.2	1.1	10.1	1.1	11.4	1.0	11.7

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 7. (CONT'D)

PERCENT GROUND COVER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER TRAFFIC AT RALEIGH, NC 1/ 2021 DATA 2/

NAME	OCTOBER 22		OCTOBER 28		NOVEMBER 3		NOVEMBER 11	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
DALZ 1714	99.0	68.3	99.0	68.3	99.0	56.7	99.0	50.0
DALZ 1802	99.0	66.7	99.0	66.7	99.0	56.7	99.0	50.0
FZ 1368	99.0	61.7	99.0	61.7	99.0	50.0	99.0	43.3
FAES 1319	98.3	58.3	98.3	58.3	98.3	48.3	98.3	41.7
DALZ 1614	98.3	56.7	98.3	53.3	98.3	45.0	98.3	40.0
15-TZ-11715	99.0	56.7	99.0	56.7	99.0	41.7	99.0	36.7
DALZ 1806	99.0	48.3	99.0	48.3	99.0	43.3	99.0	36.7
FZ 1722	99.0	53.3	99.0	53.3	99.0	41.7	99.0	36.7
16-TZ-13463	99.0	50.0	99.0	50.0	99.0	41.7	99.0	35.0
DALZ 1601	99.0	50.0	99.0	50.0	99.0	40.0	99.0	35.0
DALZ 1701	99.0	53.3	99.0	53.3	99.0	41.7	99.0	35.0
DALZ 1713	99.0	51.7	99.0	51.7	99.0	43.3	99.0	35.0
DALZ 1409	99.0	43.3	99.0	43.3	99.0	38.3	99.0	33.3
DALZ 1603	99.0	48.3	99.0	46.7	99.0	38.3	99.0	33.3
FZ 1422	99.0	50.0	99.0	46.7	99.0	40.0	99.0	33.3
DALZ 1311	99.0	48.3	99.0	48.3	99.0	40.0	99.0	31.7
DALZ 1408	99.0	43.3	99.0	45.0	99.0	36.7	99.0	31.7
DALZ 1707	99.0	50.0	99.0	48.3	99.0	36.7	99.0	31.7
FAES 1335	99.0	45.0	99.0	43.3	99.0	33.3	99.0	31.7
FZ 1367	99.0	46.7	99.0	46.7	99.0	36.7	99.0	31.7
16-TZ-12783	99.0	45.0	99.0	43.3	99.0	36.7	99.0	30.0
FZ 1407	99.0	46.7	99.0	46.7	99.0	36.7	99.0	30.0
FZ 1436	99.0	41.7	99.0	41.7	99.0	36.7	99.0	30.0
FZ 1723	99.0	43.3	99.0	43.3	99.0	35.0	99.0	30.0
UGA GZ 17-4	99.0	41.7	99.0	41.7	99.0	35.0	99.0	30.0
DALZ 1613	99.0	43.3	99.0	41.7	99.0	33.3	99.0	28.3
EMERALD	99.0	43.3	99.0	41.7	99.0	31.7	99.0	28.3
EMPIRE	99.0	46.7	99.0	46.7	99.0	36.7	99.0	28.3
ZEON	99.0	40.0	99.0	40.0	99.0	31.7	99.0	28.3
FZ 1327	99.0	41.7	99.0	41.7	99.0	33.3	99.0	26.7
FZ 1410	99.0	43.3	99.0	41.7	99.0	31.7	99.0	26.7
MEYER	97.7	45.0	97.7	41.7	97.7	33.3	97.7	26.7
DALZ 1807	96.0	38.3	96.0	38.3	96.0	30.0	96.0	25.0
FZ 1440	99.0	38.3	99.0	38.3	99.0	31.7	99.0	25.0
FZ 1727	99.0	40.0	99.0	40.0	99.0	31.7	99.0	25.0
FZ 1732	98.3	41.7	98.3	40.0	98.3	30.0	98.3	25.0
DALZ 1808	99.0	36.7	99.0	36.7	99.0	28.3	99.0	21.7
FZ 1728	99.0	31.7	99.0	31.7	99.0	21.7	99.0	21.7
FZ 1721	95.0	36.7	95.0	35.0	95.0	25.0	95.0	18.3
LSD VALUE	2.0	9.7	2.0	9.2	2.0	8.5	2.0	9.1
C.V. (%)	1.0	12.8	1.0	12.5	1.0	14.3	1.0	17.5

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 8. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER DROUGHT AT DALLAS, TX 1/ 2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS APR	JUL	AUG	SEP	OCT	MEAN
DALZ 1601	6.3	4.7	5.7	7.3	9.0	7.0	8.3	7.7	7.9
FAES 1319	8.7	4.3	7.0	9.0	7.3	7.3	8.7	8.0	7.9
DALZ 1714	7.0	4.0	7.0	4.3	9.0	8.7	9.0	8.7	7.8
DALZ 1311	6.7	5.3	6.0	7.7	8.0	7.0	8.0	7.3	7.6
DALZ 1713	8.0	3.3	7.0	5.0	9.0	8.0	8.3	7.3	7.6
DALZ 1409	7.0	3.3	9.0	5.3	9.0	7.0	7.7	7.3	7.3
DALZ 1603	6.0	5.7	5.3	6.7	8.7	6.3	7.3	7.0	7.3
FZ 1410	6.3	5.3	5.7	7.3	7.7	5.7	7.0	7.3	7.1
EMPIRE	5.7	5.0	5.7	7.3	7.7	5.3	7.0	7.0	7.0
FZ 1407	6.7	5.7	6.0	7.0	7.7	6.7	7.3	6.7	6.9
DALZ 1701	7.7	4.7	7.0	6.7	7.3	6.0	7.3	6.7	6.8
DALZ 1408	8.0	2.3	8.0	3.3	8.0	6.7	7.3	6.7	6.6
FZ 1440	7.3	2.7	8.3	3.7	8.3	7.3	6.7	5.7	6.6
UGA GZ 17-4	7.3	2.3	8.3	4.0	8.3	7.0	7.7	6.3	6.6
ZEON	7.3	3.7	8.0	6.7	7.7	5.7	7.0	6.3	6.5
EMERALD	8.0	3.7	7.7	6.3	7.3	5.7	6.3	6.3	6.4
FZ 1422	7.7	3.3	7.0	7.7	6.3	5.3	6.3	5.7	6.4
DALZ 1808	7.0	4.3	6.0	6.3	8.0	4.7	5.7	5.3	6.3
FZ 1367	6.7	2.0	8.0	3.0	8.0	7.0	6.3	6.3	6.3
FZ 1722	7.3	3.0	8.0	4.7	8.0	5.3	6.3	6.7	6.3
16-TZ-12783	7.0	2.3	7.0	4.3	8.3	5.3	6.3	6.0	6.2
FZ 1436	6.0	1.7	8.0	3.3	7.7	6.3	6.3	6.0	6.2
DALZ 1613	5.3	2.0	7.0	3.7	8.3	6.0	7.0	6.0	6.1
15-TZ-11715	7.3	2.7	7.0	5.7	7.3	4.3	6.0	5.3	5.8
DALZ 1707	6.3	3.7	7.0	6.0	6.3	4.7	6.3	5.7	5.8
FZ 1368	6.3	2.7	8.0	3.7	6.7	6.0	6.0	6.7	5.8
FZ 1732	6.3	1.3	7.7	2.7	8.0	5.7	6.3	6.0	5.7
DALZ 1614	6.3	2.0	7.0	4.0	6.7	4.7	6.7	5.7	5.6
FAES 1335	6.3	2.3	8.0	4.7	8.0	4.7	4.7	4.0	5.6
FZ 1727	5.7	1.3	8.0	2.7	7.7	5.0	6.3	6.3	5.5
DALZ 1802	7.3	1.3	9.0	3.0	6.3	5.3	6.0	5.7	5.2
FZ 1327	5.7	3.3	5.7	5.0	6.3	4.3	5.0	4.7	5.2
DALZ 1806	8.0	3.3	8.7	4.0	5.7	5.0	4.7	5.0	4.8
FZ 1723	6.3	5.0	8.0	5.0	5.7	3.0	4.0	4.0	4.7
FZ 1728	6.0	2.0	9.0	3.3	6.3	3.3	4.0	4.3	4.6
FZ 1721	7.0	1.7	8.0	2.0	4.3	3.7	3.7	3.7	3.4
DALZ 1807	8.0	1.5	9.0	2.5	3.5	3.5	3.5	3.5	3.3
16-TZ-13463	6.3	3.3	7.0	3.0	4.0	2.3	2.7	3.7	3.2
MEYER	7.3	1.3	6.0	2.3	2.0	1.0	1.0	1.7	1.8
LSD VALUE	1.3	1.3	0.5	1.6	2.0	1.9	1.8	1.6	1.4
C.V. (%)	11.1	26.3	4.6	21.6	16.9	21.3	17.9	16.9	14.9

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 8. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER DROUGHT AT DALLAS, TX 1/
2021 DATA

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

NAME	SPRING DENSITY	PERCENT GROUND COVER SPRING	WINTER KILL	DROUGHT TOLERANCE WILTING	DROUGHT TOLERANCE RECOVERY	COLOR NOVEMBER	SEEDHEAD 4/8	SEEDHEAD 5/19	SEEDHEAD 10/19
DALZ 1601	7.7	99.0	1.7	7.3	7.3	5.0	5.3	2.7	6.3
FAES 1319	9.0	99.0	0.0	6.7	9.0	6.7	8.7	8.3	7.0
DALZ 1714	7.0	84.7	31.7	6.7	9.0	6.7	7.0	4.0	5.7
DALZ 1311	8.0	99.0	0.0	7.0	8.3	5.3	7.3	2.3	7.0
DALZ 1713	7.3	96.3	26.7	7.3	7.3	4.3	7.3	4.0	4.0
DALZ 1409	7.0	95.0	26.7	5.0	7.3	6.3	7.7	6.7	3.7
DALZ 1603	8.0	99.0	1.7	5.7	7.3	3.0	7.0	3.3	7.3
FZ 1410	8.3	99.0	1.7	4.0	7.7	3.3	7.0	2.0	6.3
EMPIRE	8.0	97.7	1.7	4.3	8.3	4.7	6.7	2.7	6.3
FZ 1407	7.3	87.7	11.7	6.0	7.3	5.0	7.7	2.7	6.3
DALZ 1701	8.0	96.0	8.3	4.3	8.0	4.3	5.7	8.3	4.3
DALZ 1408	7.3	96.3	46.7	5.0	7.0	6.0	9.0	7.3	4.3
FZ 1440	7.0	97.7	41.7	5.7	6.7	5.7	9.0	6.0	3.3
UGA GZ 17-4	6.3	85.0	43.3	4.0	7.3	5.7	8.7	6.7	3.3
ZEON	8.7	99.0	1.7	2.7	8.3	5.7	9.0	9.0	8.7
EMERALD	8.0	99.0	6.7	2.7	7.7	4.0	9.0	9.0	8.7
FZ 1422	8.7	99.0	1.7	2.7	7.7	3.0	6.7	8.3	8.3
DALZ 1808	8.3	97.7	10.0	2.7	6.0	2.7	8.0	9.0	9.0
FZ 1367	6.0	83.3	60.0	5.0	7.0	6.0	9.0	5.0	3.3
FZ 1722	7.0	91.7	33.3	3.3	7.3	5.0	8.0	7.7	2.7
16-TZ-12783	6.0	93.3	21.7	3.3	7.7	4.7	8.3	8.7	7.7
FZ 1436	6.7	89.7	63.3	5.3	6.3	5.7	9.0	7.0	3.0
DALZ 1613	5.0	93.0	21.7	5.0	7.3	5.0	8.7	8.3	8.0
15-TZ-11715	7.3	97.7	5.0	2.3	7.7	4.3	8.7	8.7	6.3
DALZ 1707	8.7	99.0	0.0	3.3	7.0	3.0	1.7	8.3	9.0
FZ 1368	6.0	78.3	45.0	4.3	6.7	6.3	9.0	6.7	5.3
FZ 1732	4.0	75.0	66.7	3.7	6.7	4.0	9.0	7.7	4.7
DALZ 1614	5.3	83.3	31.7	4.0	7.7	3.0	8.0	8.0	8.0
FAES 1335	7.0	93.3	23.3	2.7	4.0	4.0	9.0	9.0	9.0
FZ 1727	4.3	71.7	71.7	3.0	7.0	4.0	9.0	7.7	8.0
DALZ 1802	4.7	58.3	65.0	3.3	6.3	6.7	9.0	2.7	1.3
FZ 1327	6.3	86.7	20.0	2.7	5.3	2.3	8.0	4.0	7.3
DALZ 1806	6.7	84.7	31.7	3.3	6.3	5.0	5.0	8.0	8.3
FZ 1723	8.3	99.0	6.7	1.3	5.0	3.0	9.0	9.0	8.3
FZ 1728	5.3	83.3	53.3	1.3	5.0	4.3	9.0	6.3	8.7
FZ 1721	3.0	23.3	86.7	2.3	4.3	3.7	9.0	6.3	4.3
DALZ 1807	3.5	40.0	88.0	1.5	4.5	6.0	9.0	9.0	8.5
16-TZ-13463	4.7	73.3	36.7	1.7	4.0	3.0	9.0	9.0	9.0
MEYER	3.0	43.3	80.0	1.0	1.3	1.0	6.0	8.0	9.0
LSD VALUE	1.9	18.2	21.9	1.4	1.9	2.1	1.2	1.3	1.7
C.V. (%)	17.9	13.3	48.1	23.7	17.7	26.8	9.9	13.4	17.7

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 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER SHADE AT COLLEGE STATION, TX 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	PERCENT GROUND COVER RATINGS JUNE-OCTOBER					QUALITY RATINGS						
				JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
FZ 1410	5.7	4.7	3.7	66.7	93.3	88.3	85.0	88.3	6.3	3.7	7.0	6.7	5.3	5.3	5.7
DALZ 1808	4.0	6.0	6.3	60.0	78.3	88.3	90.0	88.3	5.7	4.0	5.3	6.0	5.3	5.3	5.3
DALZ 1311	5.7	6.7	4.0	55.0	88.3	81.7	78.3	91.7	6.0	3.3	6.0	5.0	5.3	5.7	5.2
EMPIRE	4.7	4.3	2.0	55.0	83.3	40.0	83.3	95.0	5.3	3.7	6.0	5.7	5.0	4.7	5.1
FAES 1319	5.3	3.3	4.7	61.7	88.3	80.0	83.3	88.3	5.0	4.0	5.7	6.0	5.0	5.0	5.1
DALZ 1701	6.7	7.0	5.7	58.3	78.3	72.5	85.0	86.7	5.3	4.0	5.3	5.0	5.0	5.0	4.9
16-TZ-12783	6.3	4.7	4.7	56.7	70.0	85.0	91.7	91.7	4.7	3.3	4.3	5.3	5.3	6.0	4.8
DALZ 1614	6.0	6.7	7.7	58.3	75.0	78.3	76.7	88.3	5.7	3.7	4.7	5.3	4.3	5.0	4.8
DALZ 1802	6.3	2.7	9.0	91.7	91.7	63.3	93.3	93.3	2.7	4.7	4.3	6.0	5.3	5.7	4.8
DALZ 1601	6.3	5.3	4.3	56.7	81.7	88.3	80.0	93.3	5.0	2.7	5.3	5.0	5.0	5.3	4.7
DALZ 1707	5.7	5.0	6.7	50.0	71.7	77.5	80.0	85.0	6.0	4.0	5.0	5.3	4.3	3.3	4.7
FZ 1407	5.3	6.7	3.3	35.0	48.3	82.5	85.0	88.3	5.3	3.3	5.0	6.0	4.3	4.0	4.7
UGA GZ 17-4	5.7	5.0	8.7	55.0	73.3	81.7	75.0	81.7	4.0	4.3	4.7	5.0	5.0	4.3	4.6
DALZ 1603	5.3	5.7	3.3	35.0	76.7	86.7	81.7	85.0	5.7	3.0	4.3	5.5	4.3	4.7	4.5
15-TZ-11715	6.3	5.0	7.0	38.3	70.0	57.5	76.7	81.7	5.0	3.0	5.3	4.3	4.0	4.7	4.4
FZ 1440	5.0	3.3	7.7	50.0	71.7	81.7	81.7	86.7	4.0	3.0	4.3	5.3	4.3	5.7	4.4
DALZ 1713	5.3	1.7	4.7	66.7	80.0	75.0	76.7	83.3	2.7	4.0	4.0	4.7	4.3	6.0	4.3
FZ 1327	7.0	5.7	4.0	36.7	73.3	80.0	80.0	88.3	4.3	3.0	4.3	5.3	4.7	4.0	4.3
DALZ 1714	4.7	3.0	5.7	51.7	33.0	52.5	76.7	90.0	3.0	3.0	3.7	5.0	5.0	5.3	4.2
FZ 1422	7.3	6.7	6.3	40.0	65.0	58.3	75.0	76.7	6.0	2.0	3.7	4.0	4.3	5.0	4.2
ZEON	6.3	3.3	7.7	41.7	53.3	75.0	73.3	83.3	3.3	3.0	4.3	5.0	4.7	4.7	4.2
DALZ 1408	4.7	2.7	8.3	33.3	63.3	76.7	75.0	85.0	3.0	3.0	4.0	4.7	4.7	5.0	4.1
DALZ 1613	5.7	3.0	4.3	43.3	53.3	60.0	66.7	73.3	4.3	2.7	4.0	4.3	4.3	4.7	4.1
EMERALD	7.0	6.3	8.0	23.0	76.7	71.7	66.7	80.0	5.3	2.7	4.7	4.0	4.3	3.7	4.1
FZ 1723	5.0	5.0	5.0	48.3	50.0	60.0	70.0	71.7	4.0	3.3	3.7	4.7	4.0	4.7	4.1
16-TZ-13463	6.7	4.0	6.7	48.3	46.7	60.0	63.3	81.7	4.3	3.0	3.0	4.0	4.7	5.0	4.0
FAES 1335	6.0	3.7	4.0	38.3	50.0	47.5	75.0	76.7	3.0	2.7	3.7	5.0	4.3	4.7	3.9
FZ 1436	4.0	3.7	7.3	33.3	61.7	71.7	80.0	83.3	3.0	3.0	3.7	4.7	4.7	4.7	3.9
FZ 1727	6.0	2.0	7.7	36.7	58.3	75.0	81.7	88.3	2.7	3.0	3.0	4.3	4.3	5.3	3.8
FZ 1732	6.3	3.7	7.0	23.3	61.7	71.7	76.7	81.7	2.7	2.0	3.7	4.3	4.3	5.7	3.8
DALZ 1806	7.0	4.7	8.0	80.0	76.7	61.7	63.3	70.0	2.0	3.7	4.3	4.7	3.3	4.0	3.7
FZ 1367	5.0	2.3	5.0	35.0	53.3	56.7	61.7	68.3	3.7	2.0	4.0	3.7	4.0	4.7	3.7
FZ 1728	3.7	3.3	6.0	45.0	43.3	56.7	58.3	75.0	3.7	2.3	3.7	4.0	3.7	4.3	3.6
FZ 1722	6.7	1.0	4.7	35.0	36.7	27.5	53.3	65.0	2.7	2.7	3.0	4.0	3.5	4.3	3.3
MEYER	7.7	4.0	4.7	28.3	41.7	56.7	65.0	73.3	4.0	1.7	2.7	3.7	3.7	3.0	3.1
DALZ 1409	5.7	3.7	5.7	28.3	41.7	46.7	53.3	50.0	2.7	2.0	2.7	4.0	3.7	3.3	2.9
DALZ 1807	7.7	2.7	9.0	71.7	66.7	61.7	53.3	65.0	1.0	2.3	3.3	3.0	3.7	4.0	2.9
FZ 1721	6.0	3.3	5.0	23.3	33.3	19.3	46.7	61.7	3.0	2.0	2.0	3.0	3.3	3.7	2.8
FZ 1368	7.3	1.0	0.7	8.3	26.7	26.7	35.0	45.0	1.3	1.0	1.7	3.3	3.0	3.0	2.2
LSD VALUE	2.5	3.2	4.2	64.7	44.9	48.4	33.2	39.7	1.9	2.9	2.3	2.4	3.0	4.8	1.6
C.V. (%)	20.5	41.3	37.9	52.7	33.7	30.8	21.4	19.8	29.1	37.4	29.1	22.7	22.0	29.3	19.8

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 10. GENETIC COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	AL1	AR1	CA3	FL1	FL3	GA1	IN1	KS1	NC1	OK1	TN1	MEAN
DALZ 1701	7.3	7.0	7.7	8.0	6.7	6.3	9.0	7.3	7.0	7.7	6.7	7.3
16-TZ-13463	8.0	7.0	6.7	9.0	6.7	6.3	9.0	7.7	7.3	6.0	6.0	7.2
FZ 1727	6.3	7.0	5.7	8.0	7.3	6.3	9.0	8.0	7.0	7.7	6.7	7.2
16-TZ-12783	6.0	6.7	7.0	8.7	7.3	6.3	9.0	8.0	7.7	7.0	5.0	7.2
DALZ 1409	8.3	6.3	6.3	7.7	7.3	6.7	8.0	7.7	7.0	6.7	6.7	7.2
FAES 1319	5.3	7.0	7.0	7.7	7.7	6.3	9.0	7.0	7.7	7.3	5.7	7.1
MEYER	6.0	7.0	7.0	7.3	7.0	6.3	8.7	8.0	7.7	6.3	6.0	7.0
DALZ 1807	7.7	8.0	7.0	8.0	8.0	6.0	.	4.0	6.7	8.0	6.7	7.0
FZ 1728	7.3	6.7	6.0	8.0	7.0	6.0	8.3	7.3	7.0	7.0	6.0	7.0
FZ 1440	5.3	7.0	6.7	8.3	7.0	6.0	8.3	7.7	7.0	7.0	6.0	6.9
DALZ 1806	8.0	7.0	6.3	8.0	6.0	6.0	9.0	8.0	7.0	7.3	3.7	6.9
DALZ 1408	5.7	6.7	6.0	8.3	7.0	6.7	8.0	7.7	7.0	7.7	5.3	6.9
FZ 1327	5.3	6.3	6.3	7.3	6.7	6.7	9.0	7.3	7.7	7.0	6.0	6.9
FZ 1368	7.0	5.7	6.0	7.7	7.0	6.3	.	.	7.0	8.0	7.0	6.9
FZ 1422	7.0	6.7	5.7	7.0	6.7	7.0	8.3	6.0	7.7	6.7	6.7	6.8
15-TZ-11715	7.3	6.3	6.0	8.0	6.3	6.7	8.7	6.7	7.0	7.0	5.3	6.8
FAES 1335	5.3	7.0	6.0	8.3	6.3	6.3	8.7	7.3	7.0	6.7	6.3	6.8
DALZ 1713	6.0	6.7	5.3	7.0	8.0	6.3	8.3	7.7	7.0	6.3	6.3	6.8
FZ 1722	5.3	7.0	5.3	7.3	6.3	6.0	8.7	8.0	7.0	8.0	6.0	6.8
FZ 1367	6.0	6.3	5.0	8.3	7.0	6.0	7.7	8.0	7.0	7.7	5.7	6.8
FZ 1436	7.7	5.3	5.7	7.3	7.3	6.3	7.3	7.0	7.0	7.0	6.7	6.8
DALZ 1714	7.7	7.0	6.0	7.7	8.0	6.3	8.0	4.7	6.7	6.7	5.7	6.8
DALZ 1311	5.0	6.3	7.0	7.0	7.0	6.3	8.3	6.0	7.0	7.0	7.3	6.8
DALZ 1601	5.0	6.7	7.0	7.3	8.0	6.7	8.0	6.0	7.0	7.0	5.7	6.8
FZ 1732	6.3	5.3	5.7	8.0	7.0	6.3	7.7	8.0	7.0	8.0	5.0	6.8
DALZ 1802	8.7	7.7	7.3	8.0	7.3	6.0	.	1.0	7.0	8.0	6.3	6.7
DALZ 1613	5.0	6.0	5.3	7.7	8.0	6.0	9.0	7.0	7.0	7.0	6.0	6.7
EMPIRE	7.3	5.7	6.3	8.0	7.7	6.3	8.0	6.0	6.7	6.7	5.3	6.7
UGA GZ 17-4	4.7	6.7	5.0	8.0	8.0	6.7	8.7	8.0	7.0	6.3	5.0	6.7
FZ 1407	5.3	7.0	7.3	7.0	6.3	6.3	8.0	6.0	7.0	7.0	6.3	6.7
DALZ 1707	6.0	5.7	6.3	5.0	7.7	6.7	8.7	6.3	7.0	6.7	7.0	6.6
FZ 1410	4.7	6.7	6.3	7.3	6.7	6.0	7.7	6.7	7.0	7.0	7.0	6.6
ZEON	7.0	6.3	5.0	6.7	7.7	6.3	7.3	5.7	7.3	6.0	7.3	6.6
EMERALD	6.7	6.3	6.3	8.0	6.7	6.3	8.0	5.7	7.0	6.3	5.3	6.6
DALZ 1603	5.0	6.7	6.7	7.0	6.7	6.7	7.0	6.3	7.0	6.7	6.7	6.6
FZ 1723	3.7	5.7	5.3	7.7	7.7	6.0	8.7	6.7	6.7	7.0	6.7	6.5
DALZ 1614	5.0	5.3	6.0	8.0	8.0	6.0	8.0	5.3	7.0	6.0	6.0	6.4
DALZ 1808	4.7	6.0	5.7	7.7	6.7	6.3	7.0	5.7	7.0	6.7	6.7	6.4
FZ 1721	4.0	7.7	6.3	8.0	7.0	6.7	1.0	7.0	7.0	7.0	5.3	6.1
LSD VALUE	1.1	1.3	1.3	1.1	1.5	0.8	1.1	1.7	0.6	0.8	1.9	0.4
C.V. (%)	11.5	12.1	12.6	8.7	13.3	7.6	8.0	15.3	4.9	7.0	19.6	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 11. SPRING GREENUP RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	AL1	CA3	FL1	FL3	IN1	KS1	NC1	OK1	TN1	MEAN
DALZ 1701	8.7	6.3	7.3	5.3	6.7	7.3	2.3	6.0	8.3	6.5
EMERALD	8.7	6.7	6.3	6.3	5.7	7.0	3.0	5.0	8.3	6.3
FAES 1319	6.3	7.3	7.0	5.0	5.3	7.0	3.7	4.7	8.0	6.0
ZEON	9.0	5.3	6.0	5.3	6.0	7.0	1.3	5.0	8.7	6.0
DALZ 1707	8.3	6.0	6.0	4.3	7.0	6.7	2.3	4.7	8.0	5.9
FZ 1368	7.3	6.0	6.3	5.7	.	.	4.0	4.0	8.0	5.9
DALZ 1601	8.3	6.0	6.7	4.0	5.7	6.7	2.0	4.7	8.3	5.8
FZ 1723	7.3	7.0	6.7	6.0	4.0	5.7	3.7	3.7	8.3	5.8
DALZ 1808	6.3	6.3	6.3	4.7	6.0	6.0	3.7	4.3	8.0	5.7
FZ 1422	8.7	3.3	6.7	6.0	6.7	6.0	2.0	5.3	6.7	5.7
15-TZ-11715	8.3	4.7	7.3	6.7	3.7	5.0	3.0	4.3	8.0	5.7
FZ 1407	8.3	4.0	6.3	6.0	5.7	6.7	2.0	4.0	8.0	5.7
FZ 1410	9.0	5.7	5.0	6.0	5.3	6.7	2.0	3.0	8.0	5.6
DALZ 1614	7.0	6.7	7.7	5.3	4.0	5.0	2.3	2.3	8.7	5.4
DALZ 1603	7.7	5.3	5.7	5.7	5.3	6.3	2.3	4.0	6.7	5.4
MEYER	8.3	3.7	3.7	5.3	7.0	8.0	1.7	5.0	6.3	5.4
DALZ 1802	6.3	7.0	6.0	6.0	.	1.0	3.7	4.5	7.7	5.3
DALZ 1311	5.7	5.3	6.7	5.3	4.7	6.0	2.0	4.3	7.3	5.3
DALZ 1806	6.7	7.0	5.3	6.0	2.7	3.7	4.0	4.7	7.3	5.3
FAES 1335	8.3	7.0	7.0	5.0	3.0	5.7	2.0	3.0	6.3	5.3
FZ 1727	6.3	7.3	7.0	5.7	3.0	6.7	1.0	2.3	8.0	5.3
DALZ 1807	5.7	6.7	6.3	5.0	.	1.0	3.7	5.5	8.0	5.2
FZ 1722	6.7	5.3	7.3	5.0	3.0	5.7	4.0	2.3	7.0	5.1
DALZ 1409	6.3	7.3	7.0	5.0	1.5	4.7	4.0	3.3	7.0	5.1
16-TZ-13463	5.0	5.3	6.0	5.0	4.3	5.3	4.0	3.3	7.7	5.1
FZ 1327	5.0	5.0	6.3	4.0	4.7	6.3	2.0	3.7	9.0	5.1
DALZ 1613	6.7	6.0	7.7	5.0	3.0	5.0	1.0	2.7	8.3	5.0
UGA GZ 17-4	7.0	7.3	7.0	4.3	2.0	3.0	3.3	3.7	7.7	5.0
EMPIRE	6.7	5.0	5.7	5.0	5.0	4.7	2.0	3.7	7.3	5.0
FZ 1732	6.0	5.3	7.3	5.7	3.0	6.3	1.0	2.0	7.7	4.9
DALZ 1714	5.0	6.3	6.7	5.3	2.0	1.0	4.7	4.3	7.7	4.8
16-TZ-12783	6.3	3.7	6.0	5.3	3.0	6.3	2.7	3.0	6.3	4.7
DALZ 1713	6.3	5.0	7.0	5.3	2.3	4.0	2.7	2.3	7.7	4.7
FZ 1367	7.3	6.3	7.3	5.7	1.7	1.0	2.7	2.0	7.7	4.6
FZ 1436	7.0	5.7	6.7	6.7	1.3	1.0	1.7	2.7	8.3	4.6
DALZ 1408	7.0	5.3	7.3	6.3	1.5	1.0	2.3	2.0	7.3	4.5
FZ 1440	7.7	6.0	6.7	5.3	1.7	1.0	1.3	2.3	8.0	4.4
FZ 1728	5.0	5.7	7.0	4.7	2.0	1.0	1.3	2.7	7.0	4.0
FZ 1721	5.7	6.0	6.3	4.3	1.0	1.0	1.0	3.0	7.7	4.0
LSD VALUE	1.2	1.5	1.0	1.5	1.0	2.1	1.0	1.7	2.3	0.5
C.V. (%)	10.3	15.9	9.1	17.6	15.6	25.8	23.2	27.6	18.2	17.7

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 12. LEAF TEXTURE RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	AL1	AR1	CA3	FL1	FL3	IN1	KS1	NC1	OK1	TN1	MEAN
DALZ 1807	8.3	7.0	8.3	9.0	7.7	.	5.5	9.0	8.0	7.0	7.8
DALZ 1802	9.0	8.3	7.7	8.0	6.3	.	6.0	9.0	8.0	7.3	7.7
DALZ 1408	7.7	8.0	7.0	7.7	4.0	9.0	7.7	8.0	7.0	9.0	7.5
DALZ 1409	8.7	5.3	7.0	7.7	4.0	9.0	8.0	8.0	7.7	8.3	7.4
FZ 1436	8.3	6.7	7.0	6.7	6.0	8.3	6.3	7.7	7.7	8.7	7.3
FZ 1367	7.3	6.3	7.3	7.3	5.7	8.0	7.3	8.0	7.0	8.7	7.3
FZ 1368	8.3	6.7	6.0	6.0	6.3	.	.	8.0	7.7	9.0	7.3
ZEON	8.0	4.7	6.7	7.0	6.7	8.0	7.3	7.7	7.0	9.0	7.2
FZ 1440	7.3	5.0	7.0	6.7	6.3	7.7	7.7	7.7	7.0	8.7	7.1
FZ 1721	8.3	6.3	7.0	8.3	6.0	.	5.0	8.0	7.0	7.7	7.1
EMERALD	6.3	5.3	6.3	7.7	6.3	8.0	7.7	7.7	6.3	9.0	7.1
UGA GZ 17-4	2.0	7.7	7.0	7.3	5.0	8.3	7.7	8.3	8.0	9.0	7.0
DALZ 1806	7.3	5.7	6.3	7.3	2.0	8.3	7.7	8.7	8.0	8.7	7.0
FZ 1728	7.3	5.7	7.0	6.7	3.0	9.0	7.7	8.0	6.3	9.0	7.0
FZ 1727	7.3	6.0	7.0	7.0	3.0	7.7	7.3	8.0	7.3	8.7	6.9
FZ 1722	7.0	7.0	7.0	6.0	4.7	7.3	6.3	7.7	7.0	8.7	6.9
FZ 1732	5.0	6.0	6.7	6.7	7.3	7.0	7.7	8.0	7.0	7.0	6.8
DALZ 1614	6.3	6.3	6.0	6.7	6.0	7.3	6.7	7.7	7.0	8.0	6.8
16-TZ-13463	6.0	5.0	5.3	6.0	7.3	7.7	7.0	7.7	6.0	8.7	6.7
FAES 1335	5.3	6.7	6.0	6.3	5.3	7.3	6.0	8.0	6.7	8.7	6.6
FZ 1723	5.7	5.7	6.3	7.7	2.7	8.0	7.3	7.7	7.0	8.3	6.6
15-TZ-11715	5.7	6.3	5.7	6.0	3.7	7.7	6.7	8.0	6.3	8.7	6.5
DALZ 1613	5.7	5.7	6.0	5.7	4.0	7.0	7.3	7.7	6.0	8.0	6.3
DALZ 1707	5.3	5.7	4.7	5.7	6.7	7.0	6.0	7.7	6.0	8.3	6.3
FZ 1422	5.3	6.0	5.0	6.3	5.3	7.0	6.0	7.3	6.0	8.7	6.3
DALZ 1713	4.3	4.3	6.0	6.0	5.7	7.0	5.7	7.0	6.0	8.3	6.0
DALZ 1714	3.3	6.3	4.3	3.0	7.3	9.0	5.3	7.0	6.0	7.7	5.9
FAES 1319	3.3	5.0	4.3	5.0	6.7	7.0	6.0	7.0	6.0	8.7	5.9
DALZ 1701	3.0	4.7	4.3	5.0	7.3	7.0	5.7	7.3	5.7	8.3	5.8
DALZ 1808	5.3	4.7	4.7	6.3	3.3	6.3	6.0	7.0	6.0	8.0	5.8
MEYER	5.7	6.0	4.0	4.3	6.7	6.0	5.0	6.7	5.0	7.7	5.7
16-TZ-12783	4.3	4.7	4.3	2.3	5.7	6.0	6.0	7.0	6.0	8.3	5.5
FZ 1327	1.7	7.3	3.3	5.3	6.0	6.0	4.0	6.3	4.3	8.3	5.3
EMPIRE	8.3	4.0	3.0	3.7	5.3	6.0	4.3	6.3	4.0	6.3	5.1
DALZ 1601	2.3	7.0	3.3	4.3	3.7	5.3	5.3	6.3	4.3	6.3	4.8
DALZ 1603	1.7	5.0	3.0	4.3	6.0	5.3	4.3	6.3	4.3	7.0	4.7
FZ 1410	1.3	5.7	3.3	3.3	6.0	5.7	4.0	6.0	4.7	7.3	4.7
FZ 1407	1.0	6.7	3.0	4.3	4.3	5.3	4.3	6.3	4.0	7.7	4.7
DALZ 1311	1.7	5.0	3.3	4.0	3.3	5.7	3.3	6.0	4.3	7.3	4.4
LSD VALUE	0.8	2.8	0.8	1.3	4.5	0.7	1.3	0.7	0.7	1.2	0.6
C.V. (%)	9.3	29.9	8.9	13.2	52.0	6.1	12.5	5.9	6.6	9.0	18.6

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. SPRING DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	TN1
ZEON	7.3
FZ 1368	6.7
DALZ 1311	6.3
DALZ 1807	6.3
FZ 1410	6.3
FZ 1422	6.3
DALZ 1409	6.0
FAES 1319	6.0
FZ 1727	6.0
DALZ 1701	5.7
DALZ 1603	5.3
DALZ 1613	5.3
DALZ 1707	5.3
DALZ 1808	5.3
FZ 1367	5.3
FZ 1440	5.3
16-TZ-12783	5.0
DALZ 1614	5.0
DALZ 1713	5.0
FAES 1335	5.0
FZ 1327	5.0
FZ 1721	5.0
FZ 1723	5.0
DALZ 1601	4.7
FZ 1407	4.7
FZ 1722	4.7
16-TZ-13463	4.3
DALZ 1714	4.3
EMPIRE	4.3
FZ 1436	4.3
FZ 1728	4.3
15-TZ-11715	4.0
DALZ 1802	4.0
EMERALD	4.0
MEYER	4.0
DALZ 1806	3.7
DALZ 1408	3.3
FZ 1732	3.3
UGA GZ 17-4	2.7
LSD VALUE	2.4
C.V. (%)	30.3

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 14. SUMMER DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	NC1	TN1	MEAN
DALZ 1311	6.7	8.0	7.3
DALZ 1409	7.7	7.0	7.3
FZ 1723	7.3	6.7	7.0
ZEON	7.3	6.7	7.0
FZ 1422	6.7	7.0	6.8
FZ 1722	7.7	6.0	6.8
FZ 1368	6.7	6.7	6.7
FZ 1410	5.7	7.7	6.7
DALZ 1807	7.3	6.0	6.7
DALZ 1707	6.0	6.7	6.3
DALZ 1802	8.0	4.7	6.3
FZ 1727	5.7	6.7	6.2
DALZ 1603	6.0	6.3	6.2
EMERALD	7.0	5.3	6.2
DALZ 1701	6.3	5.7	6.0
FAES 1335	6.7	5.3	6.0
DALZ 1714	6.0	5.7	5.8
FZ 1327	5.7	6.0	5.8
FZ 1732	6.7	4.7	5.7
DALZ 1408	7.0	4.3	5.7
DALZ 1808	5.3	6.0	5.7
FZ 1367	7.0	4.3	5.7
FZ 1728	5.3	6.0	5.7
16-TZ-12783	6.7	4.3	5.5
DALZ 1601	6.3	4.7	5.5
DALZ 1614	6.0	5.0	5.5
DALZ 1806	7.0	4.0	5.5
FAES 1319	4.3	6.7	5.5
FZ 1407	5.7	5.3	5.5
FZ 1436	5.7	5.3	5.5
16-TZ-13463	5.7	5.0	5.3
UGA GZ 17-4	7.7	3.0	5.3
15-TZ-11715	6.0	4.3	5.2
FZ 1440	5.0	5.3	5.2
MEYER	5.3	5.0	5.2
DALZ 1713	5.0	5.0	5.0
EMPIRE	5.7	3.7	4.7
DALZ 1613	4.0	5.3	4.7
FZ 1721	3.3	4.0	3.7
LSD VALUE	1.4	2.7	1.5
C.V. (%)	13.9	30.6	22.9

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 15. FALL DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	TN1
DALZ 1808	6.7
FAES 1335	6.7
FZ 1422	6.7
DALZ 1409	6.3
DALZ 1807	6.0
FZ 1721	6.0
DALZ 1613	5.7
DALZ 1707	5.7
EMERALD	5.7
FZ 1368	5.7
FZ 1727	5.7
DALZ 1603	5.3
DALZ 1806	5.3
FZ 1327	5.3
FZ 1410	5.3
MEYER	5.3
UGA GZ 17-4	5.3
16-TZ-12783	5.0
16-TZ-13463	5.0
DALZ 1713	5.0
DALZ 1714	5.0
FAES 1319	5.0
FZ 1723	5.0
FZ 1728	5.0
DALZ 1601	4.7
DALZ 1614	4.7
FZ 1440	4.7
ZEON	4.7
15-TZ-11715	4.3
DALZ 1701	4.3
FZ 1436	4.3
FZ 1722	4.3
FZ 1732	4.3
DALZ 1311	4.0
DALZ 1408	4.0
DALZ 1802	4.0
FZ 1407	4.0
FZ 1367	3.7
EMPIRE	3.3
LSD VALUE	2.8
C.V. (%)	34.4

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 16. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AR1	MO1	OK1	TN1	MEAN
DALZ 1701	50.0	91.7	85.0	93.7	80.1
DALZ 1614	36.7	88.3	86.7	95.0	76.7
DALZ 1808	53.3	80.0	77.3	92.0	75.7
ZEON	41.7	70.0	86.7	94.3	73.2
EMERALD	36.7	81.7	76.0	93.3	71.9
FZ 1422	43.3	83.3	83.3	75.0	71.3
FZ 1410	41.7	63.3	88.3	91.3	71.2
FZ 1732	36.7	70.0	88.3	87.7	70.7
DALZ 1707	36.7	58.3	88.7	92.0	68.9
FZ 1723	45.0	51.7	80.0	95.3	68.0
FZ 1407	36.7	55.0	88.3	91.3	67.8
EMPIRE	36.7	61.7	84.3	86.0	67.2
FZ 1440	45.0	41.7	87.7	94.0	67.1
FAES 1319	36.7	60.0	78.3	87.7	65.7
DALZ 1408	41.7	46.7	82.3	86.0	64.2
FZ 1722	35.0	51.7	88.0	80.7	63.8
DALZ 1807	45.0	31.7	85.0	90.3	63.0
DALZ 1603	31.7	53.3	87.3	78.3	62.7
UGA GZ 17-4	35.0	46.7	81.7	86.0	62.3
15-TZ-11715	31.7	53.3	73.3	88.0	61.6
DALZ 1601	36.7	28.3	85.0	93.3	60.8
FZ 1327	36.7	33.3	76.7	96.3	60.8
FZ 1728	43.3	30.0	88.3	79.7	60.3
FZ 1436	40.0	26.7	81.7	93.0	60.3
DALZ 1613	46.7	25.0	75.7	94.0	60.3
FZ 1727	31.7	36.7	79.3	90.7	59.6
FZ 1367	36.7	26.7	82.7	88.7	58.7
16-TZ-12783	40.0	35.0	83.3	75.7	58.5
FAES 1335	41.7	38.3	80.0	73.7	58.4
DALZ 1409	33.3	31.7	89.0	79.3	58.3
DALZ 1802	38.3	23.3	85.0	85.7	58.1
16-TZ-13463	35.0	25.0	85.0	87.3	58.1
FZ 1368	40.0	8.3	85.7	93.7	56.9
DALZ 1714	41.7	5.0	80.0	88.3	53.8
MEYER	38.3	25.0	81.7	70.0	53.8
DALZ 1713	38.3	10.0	81.7	84.7	53.7
DALZ 1806	38.3	5.0	85.0	84.7	53.3
DALZ 1311	36.7	15.0	81.7	79.3	53.2
FZ 1721	36.7	5.0	80.0	86.7	52.1
LSD VALUE	16.3	42.3	9.9	22.2	12.9
C.V. (%)	25.8	61.3	7.3	15.8	25.4

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. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IN1	NC1	OK1	TN1	MEAN
FZ 1410	99.0	99.0	99.0	96.3	98.3
DALZ 1601	99.0	99.0	99.0	95.7	98.2
FZ 1407	98.7	99.0	99.0	94.3	97.8
EMPIRE	99.0	99.0	99.0	93.0	97.5
DALZ 1707	99.0	99.0	94.7	97.0	97.4
DALZ 1808	99.0	99.0	94.7	97.0	97.4
FZ 1327	96.3	99.0	99.0	94.3	97.2
ZEON	97.7	99.0	97.7	94.0	97.1
DALZ 1614	97.7	98.3	96.0	96.3	97.1
FZ 1723	96.3	99.0	94.7	97.0	96.8
DALZ 1311	98.7	99.0	97.0	92.0	96.7
FAES 1319	97.7	98.3	96.0	94.7	96.7
DALZ 1701	96.3	99.0	96.3	95.0	96.7
DALZ 1603	98.7	99.0	96.7	91.3	96.4
DALZ 1613	92.3	99.0	98.0	95.3	96.2
FZ 1727	93.3	99.0	96.3	96.0	96.2
16-TZ-13463	92.7	99.0	99.0	92.0	95.7
EMERALD	99.0	99.0	89.0	95.3	95.6
FZ 1732	90.0	98.3	98.3	95.0	95.4
FZ 1422	98.7	99.0	94.7	83.3	93.9
15-TZ-11715	90.0	99.0	97.3	88.7	93.8
16-TZ-12783	83.3	99.0	99.0	84.7	91.5
FZ 1722	76.7	99.0	99.0	89.7	91.1
MEYER	90.7	97.7	92.3	83.0	90.9
FAES 1335	65.0	99.0	90.3	90.3	86.2
FZ 1728	48.3	99.0	83.3	83.0	78.4
DALZ 1806	30.0	99.0	85.7	92.3	76.8
DALZ 1713	6.7	99.0	99.0	92.3	74.3
FZ 1440	3.7	99.0	97.3	95.3	73.8
DALZ 1408	0.7	99.0	97.7	95.7	73.3
FZ 1367	1.3	99.0	99.0	91.3	72.7
FZ 1436	1.0	99.0	94.7	95.0	72.4
FZ 1368	0.0	99.0	92.3	95.3	71.7
DALZ 1807	0.0	97.7	92.5	95.7	71.5
UGA GZ 17-4	11.0	99.0	85.0	90.7	71.4
DALZ 1714	0.0	99.0	91.3	94.0	71.1
DALZ 1802	0.0	99.0	90.0	90.0	69.8
DALZ 1409	0.7	99.0	83.3	91.7	68.7
FZ 1721	0.0	93.3	81.7	89.0	66.0
LSD VALUE	7.4	1.2	6.3	10.9	3.7
C.V. (%)	7.3	0.8	4.1	7.3	5.2

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 18. PERCENT LIVING GROUND COVER (FALL) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	FL5	IN1	OK1	TN1	MEAN
FAES 1319	99.0	98.7	99.0	98.3	98.8
DALZ 1614	99.0	99.0	99.0	97.7	98.7
DALZ 1311	99.0	99.0	99.0	97.0	98.5
EMERALD	99.0	99.0	99.0	95.3	98.1
EMPIRE	99.0	99.0	99.0	94.7	97.9
FZ 1407	99.0	99.0	99.0	94.0	97.8
FZ 1410	99.0	99.0	99.0	94.0	97.8
FZ 1723	99.0	94.3	99.0	98.3	97.7
DALZ 1603	99.0	99.0	99.0	93.0	97.5
ZEON	96.0	99.0	99.0	95.0	97.3
DALZ 1601	99.0	99.0	99.0	91.7	97.2
DALZ 1707	99.0	99.0	99.0	91.0	97.0
FZ 1327	99.0	98.0	99.0	92.0	97.0
DALZ 1808	99.0	98.3	99.0	90.7	96.8
FZ 1732	99.0	94.3	99.0	94.3	96.7
DALZ 1701	99.0	92.7	99.0	94.3	96.3
FZ 1727	99.0	97.7	91.3	96.3	96.1
15-TZ-11715	99.0	93.0	99.0	92.7	95.9
DALZ 1613	99.0	94.0	99.0	91.7	95.9
FZ 1422	99.0	99.0	99.0	85.0	95.5
FZ 1722	99.0	91.7	99.0	90.7	95.1
16-TZ-13463	96.0	92.7	99.0	92.0	94.9
16-TZ-12783	99.0	84.7	99.0	91.0	93.4
MEYER	99.0	84.3	99.0	88.0	92.6
FAES 1335	99.0	76.7	99.0	93.0	91.9
FZ 1728	99.0	82.0	94.3	88.3	90.9
DALZ 1806	96.0	61.0	99.0	87.3	85.8
FZ 1440	99.0	38.3	99.0	92.3	82.2
UGA GZ 17-4	99.0	33.3	99.0	95.7	81.8
DALZ 1713	99.0	30.0	99.0	93.0	80.3
FZ 1367	99.0	30.0	99.0	92.0	80.0
FZ 1436	99.0	13.3	99.0	88.3	74.9
DALZ 1408	99.0	4.3	99.0	95.3	74.4
DALZ 1409	99.0	2.3	96.7	92.0	72.5
FZ 1368	99.0	0.0	99.0	92.0	72.5
DALZ 1714	99.0	0.3	99.0	91.0	72.3
FZ 1721	89.7	0.0	99.0	94.3	70.8
DALZ 1802	88.3	0.0	99.0	93.0	70.1
DALZ 1807	80.0	0.0	76.0	95.3	62.8
LSD VALUE	4.1	11.0	10.8	8.8	4.5
C.V. (%)	2.6	10.0	6.8	5.9	6.3

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 19. WINTER COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	FL1
DALZ 1807	5.7
FZ 1368	5.7
UGA GZ 17-4	5.3
16-TZ-12783	5.0
DALZ 1409	5.0
DALZ 1713	5.0
DALZ 1714	5.0
DALZ 1806	5.0
FZ 1728	5.0
FZ 1732	5.0
DALZ 1408	4.7
DALZ 1802	4.7
DALZ 1614	4.3
FAES 1335	4.3
FZ 1436	4.3
FZ 1722	4.3
16-TZ-13463	4.0
DALZ 1707	4.0
FZ 1367	4.0
FZ 1723	4.0
15-TZ-11715	3.7
FAES 1319	3.7
DALZ 1613	3.3
DALZ 1701	3.3
EMPIRE	3.3
FZ 1327	3.3
FZ 1410	3.3
FZ 1440	3.3
FZ 1721	3.3
DALZ 1311	3.0
DALZ 1601	3.0
DALZ 1603	3.0
DALZ 1808	3.0
EMERALD	3.0
FZ 1407	3.0
FZ 1422	3.0
FZ 1727	3.0
ZEON	3.0
MEYER	2.3
LSD VALUE	1.1
C.V. (%)	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 20. DROUGHT TOLERANCE (WILTING) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	KS1
DALZ 1311	9.0
DALZ 1409	9.0
DALZ 1601	9.0
DALZ 1603	9.0
DALZ 1713	9.0
DALZ 1714	9.0
DALZ 1808	9.0
EMPIRE	9.0
FAES 1319	9.0
FZ 1407	9.0
FZ 1410	9.0
FZ 1721	9.0
DALZ 1408	8.7
DALZ 1707	8.7
FZ 1722	8.7
DALZ 1613	8.3
DALZ 1701	8.3
EMERALD	8.3
FZ 1327	8.3
FZ 1367	8.3
FZ 1422	8.3
FZ 1436	8.3
ZEON	8.3
DALZ 1802	8.0
DALZ 1807	8.0
FAES 1335	8.0
FZ 1440	8.0
16-TZ-12783	7.7
FZ 1727	7.7
FZ 1732	7.7
UGA GZ 17-4	7.7
15-TZ-11715	7.3
16-TZ-13463	7.3
DALZ 1614	7.3
DALZ 1806	7.0
FZ 1723	7.0
FZ 1728	6.3
MEYER	4.7
LSD VALUE	1.2
C.V. (%)	8.9

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

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

TABLE 21. FALL COLOR (SEPTEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	AL1	GA1	OK1	MEAN
DALZ 1802	9.0	6.3	9	8.1
DALZ 1807	9.0	6.3	9	8.1
DALZ 1806	8.0	6.7	9	7.9
EMPIRE	8.3	6.3	9	7.9
DALZ 1409	7.7	6.7	9	7.8
FZ 1367	7.3	6.7	9	7.7
FZ 1436	7.3	6.7	9	7.7
FZ 1721	7.7	6.3	9	7.7
DALZ 1408	7.0	6.7	9	7.6
FZ 1728	7.7	6.0	9	7.6
15-TZ-11715	6.0	7.0	9	7.3
FZ 1440	6.7	6.3	9	7.3
FZ 1727	6.7	6.3	9	7.3
FZ 1732	6.3	6.7	9	7.3
ZEON	6.7	6.0	9	7.2
FZ 1368	6.3	6.3	9	7.2
EMERALD	5.3	6.7	9	7.0
FZ 1722	5.7	6.3	9	7.0
FZ 1723	5.7	6.0	9	6.9
16-TZ-13463	5.3	6.3	9	6.9
FZ 1422	4.3	7.0	9	6.8
DALZ 1614	5.0	6.0	9	6.7
FAES 1335	4.7	6.3	9	6.7
DALZ 1713	3.7	6.7	9	6.4
DALZ 1613	4.3	6.0	9	6.4
DALZ 1701	4.0	6.3	9	6.4
DALZ 1714	3.7	6.3	9	6.3
DALZ 1808	3.3	6.3	9	6.2
MEYER	3.0	6.3	9	6.1
DALZ 1707	2.7	6.3	9	6.0
FAES 1319	2.7	6.3	9	6.0
16-TZ-12783	2.7	6.0	9	5.9
DALZ 1601	1.0	6.7	9	5.6
FZ 1327	1.7	6.0	9	5.6
DALZ 1311	1.3	6.3	9	5.6
DALZ 1603	1.3	6.3	9	5.6
FZ 1410	1.3	6.3	9	5.6
UGA GZ 17-4	1.3	6.3	9	5.6
FZ 1407	1.0	6.3	9	5.4
LSD VALUE	1.0	0.8	0	0.4
C.V. (%)	12.0	7.9	0	6.7

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 22. FALL COLOR (OCTOBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	AR1	GA1	IN1	OK1	MEAN
DALZ 1802	8.0	6.3	.	9.0	7.8
15-TZ-11715	6.7	7.0	7.7	9.0	7.6
DALZ 1807	7.7	6.0	.	9.0	7.6
UGA GZ 17-4	7.7	6.3	7.0	9.0	7.5
FZ 1722	6.7	6.3	7.7	9.0	7.4
DALZ 1701	6.7	6.7	7.7	8.7	7.4
FZ 1728	7.3	6.3	7.3	8.3	7.3
16-TZ-13463	6.3	6.3	7.7	9.0	7.3
FZ 1727	6.3	6.3	8.0	8.7	7.3
FAES 1335	6.0	6.3	7.7	9.0	7.3
FZ 1367	7.0	6.7	6.7	8.7	7.3
FZ 1440	6.7	6.7	6.7	9.0	7.3
DALZ 1409	7.7	6.0	6.5	8.7	7.2
FZ 1732	6.0	7.0	6.7	9.0	7.2
FZ 1368	6.0	6.3	.	9.0	7.1
FZ 1721	6.3	6.3	.	8.7	7.1
DALZ 1408	6.3	6.3	6.5	9.0	7.0
DALZ 1806	6.3	6.7	6.3	8.7	7.0
FAES 1319	6.3	6.0	7.3	8.3	7.0
16-TZ-12783	6.0	6.0	6.7	9.0	6.9
DALZ 1614	4.7	6.3	7.7	9.0	6.9
DALZ 1713	6.3	6.7	6.0	8.7	6.9
FZ 1407	6.3	6.7	6.3	8.3	6.9
FZ 1436	6.3	6.7	6.3	8.3	6.9
FZ 1422	7.0	6.3	5.7	8.3	6.8
DALZ 1707	5.3	6.3	7.0	8.3	6.8
EMERALD	6.0	6.3	6.3	8.3	6.8
FZ 1327	5.3	6.0	7.7	8.0	6.8
FZ 1723	7.0	6.0	5.3	8.3	6.7
ZEON	5.3	6.0	6.3	9.0	6.7
DALZ 1603	6.0	6.0	6.3	8.0	6.6
FZ 1410	6.3	6.3	5.7	8.0	6.6
DALZ 1601	6.0	6.3	5.3	8.7	6.6
DALZ 1714	5.0	6.3	6.0	8.7	6.5
DALZ 1808	5.3	6.3	6.7	7.7	6.5
DALZ 1311	5.7	6.3	6.0	7.7	6.4
DALZ 1613	4.7	6.0	6.3	8.7	6.4
EMPIRE	6.0	6.3	5.7	7.0	6.3
MEYER	4.3	6.3	5.7	7.0	5.8
LSD VALUE	1.1	0.8	1.3	0.8	0.5
C.V. (%)	10.5	7.7	11.3	5.6	8.6

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

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

TABLE 23. FALL COLOR (NOVEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	KS1	NC1	OK1	MEAN
FZ 1732	5.3	7.3	5.0	5.9
DALZ 1701	6.3	6.7	4.3	5.8
DALZ 1714	5.0	7.0	5.0	5.7
DALZ 1806	5.0	6.7	5.3	5.7
DALZ 1409	5.7	6.7	4.3	5.6
DALZ 1614	5.7	6.3	4.7	5.6
DALZ 1713	5.7	6.7	4.0	5.4
FAES 1335	6.0	6.7	3.7	5.4
FZ 1722	5.7	6.7	4.0	5.4
15-TZ-11715	6.0	6.3	4.0	5.4
UGA GZ 17-4	5.3	6.3	4.7	5.4
DALZ 1707	5.7	6.3	4.0	5.3
EMERALD	5.7	5.7	4.7	5.3
FZ 1368	.	6.3	4.3	5.3
FZ 1727	6.0	5.7	4.0	5.2
FZ 1327	5.3	6.0	4.3	5.2
ZEON	6.0	5.7	3.7	5.1
DALZ 1311	5.0	6.3	4.0	5.1
DALZ 1603	5.3	6.0	4.0	5.1
FAES 1319	5.3	6.3	3.7	5.1
FZ 1422	5.7	5.3	4.3	5.1
16-TZ-12783	6.3	5.3	3.3	5.0
DALZ 1408	5.3	6.7	3.0	5.0
DALZ 1601	5.0	5.7	4.3	5.0
FZ 1407	5.0	6.0	4.0	5.0
FZ 1723	5.0	5.3	4.7	5.0
16-TZ-13463	5.0	6.3	3.7	5.0
DALZ 1808	4.7	5.7	4.3	4.9
DALZ 1613	6.0	5.3	3.3	4.9
DALZ 1802	1.0	7.0	6.5	4.8
FZ 1721	6.0	5.3	3.0	4.8
EMPIRE	4.0	6.0	4.0	4.7
FZ 1436	5.0	5.7	3.3	4.7
FZ 1367	5.0	6.0	2.7	4.6
FZ 1440	5.3	4.7	3.7	4.6
DALZ 1807	1.0	6.0	6.5	4.5
FZ 1410	5.0	4.7	3.7	4.4
FZ 1728	4.7	4.0	4.0	4.2
MEYER	3.0	3.7	2.7	3.1
LSD VALUE	1.9	1.2	0.9	0.8
C.V. (%)	21.8	12.6	13.7	16.5

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 24. FALL COLOR (DECEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

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

NAME	AL1	CA3	MEAN
DALZ 1714	6.7	7.0	6.8
FZ 1722	6.7	6.7	6.7
FAES 1335	6.0	7.3	6.7
DALZ 1806	4.7	7.7	6.2
DALZ 1409	4.3	7.3	5.8
DALZ 1713	5.3	6.3	5.8
DALZ 1408	3.7	7.7	5.7
DALZ 1802	2.3	8.7	5.5
DALZ 1807	3.0	8.0	5.5
FZ 1368	4.7	6.3	5.5
FZ 1728	5.0	6.0	5.5
FZ 1440	4.0	6.7	5.3
FZ 1721	4.7	6.0	5.3
DALZ 1613	3.7	6.7	5.2
FZ 1367	3.3	7.0	5.2
EMPIRE	6.0	4.3	5.2
FZ 1732	4.3	6.0	5.2
DALZ 1614	4.3	5.7	5.0
FZ 1436	2.7	7.3	5.0
FZ 1727	3.7	6.3	5.0
16-TZ-12783	4.0	5.7	4.8
ZEON	4.3	5.3	4.8
UGA GZ 17-4	1.7	7.3	4.5
16-TZ-13463	3.3	5.3	4.3
DALZ 1601	2.3	5.7	4.0
DALZ 1701	2.7	5.3	4.0
DALZ 1311	2.7	5.0	3.8
15-TZ-11715	1.7	5.7	3.7
FAES 1319	2.3	5.0	3.7
FZ 1327	2.7	4.7	3.7
FZ 1410	1.7	5.7	3.7
FZ 1723	2.0	5.3	3.7
DALZ 1603	2.0	5.0	3.5
FZ 1407	1.7	5.3	3.5
DALZ 1707	2.0	4.7	3.3
FZ 1422	1.3	5.3	3.3
EMERALD	2.7	3.7	3.2
DALZ 1808	1.7	4.3	3.0
MEYER	1.0	3.0	2.0
LSD VALUE	0.9	1.8	1.0
C.V. (%)	16.1	18.6	18.6

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 25. SEEDHEAD RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	CA3	FL3	IN1	KS1	OK1	MEAN
DALZ 1714	8.7	1.3	9.0	9.0	7.0	7.0
FZ 1723	6.3	4.3	9.0	8.0	6.7	6.9
DALZ 1613	8.0	2.3	8.0	8.7	7.0	6.8
FZ 1436	5.0	4.3	8.7	9.0	6.7	6.7
FZ 1722	8.3	3.0	6.7	8.3	6.3	6.5
FZ 1367	5.3	3.0	8.7	8.7	6.7	6.5
DALZ 1806	8.3	3.0	8.7	7.3	4.7	6.4
FZ 1727	5.3	2.7	9.0	8.3	6.7	6.4
DALZ 1408	3.3	4.3	8.5	9.0	6.7	6.4
DALZ 1614	8.0	1.3	7.7	7.7	7.0	6.3
FZ 1732	8.3	2.3	6.3	8.3	6.3	6.3
FAES 1319	8.3	1.0	7.7	7.7	6.7	6.3
DALZ 1713	7.3	1.3	7.7	8.7	6.3	6.3
DALZ 1409	3.0	3.3	9.0	8.7	7.0	6.2
DALZ 1802	7.3	1.3	.	9.0	7.0	6.2
FZ 1728	7.0	3.3	7.0	9.0	4.3	6.1
UGA GZ 17-4	4.3	2.7	9.0	9.0	5.7	6.1
16-TZ-12783	4.7	2.0	8.0	8.7	7.0	6.1
FAES 1335	4.7	1.7	8.0	9.0	7.0	6.1
15-TZ-11715	5.3	2.0	7.3	8.3	7.0	6.0
FZ 1440	4.7	1.7	8.7	9.0	6.0	6.0
FZ 1422	6.7	1.7	8.7	5.7	7.0	5.9
DALZ 1701	8.0	1.7	8.3	4.3	7.0	5.9
FZ 1721	7.0	1.7	.	9.0	5.7	5.8
DALZ 1707	8.3	1.3	9.0	2.3	7.0	5.6
16-TZ-13463	1.7	2.0	9.0	8.0	7.0	5.5
EMERALD	1.7	2.3	9.0	7.7	7.0	5.5
ZEON	1.7	2.3	9.0	7.7	7.0	5.5
EMPIRE	8.0	2.7	5.7	5.3	5.7	5.5
MEYER	5.3	2.0	9.0	3.7	7.0	5.4
FZ 1410	8.0	1.3	6.0	6.3	5.0	5.3
DALZ 1808	2.3	2.0	8.3	6.3	7.0	5.2
DALZ 1601	7.3	3.3	4.3	5.7	5.0	5.1
DALZ 1603	7.7	2.3	4.7	4.7	5.7	5.0
FZ 1368	6.0	2.0	.	.	7.0	5.0
DALZ 1807	2.0	1.3	.	9.0	7.0	4.8
DALZ 1311	7.7	1.0	4.3	4.3	5.3	4.5
FZ 1407	6.7	1.3	4.7	5.0	5.0	4.5
FZ 1327	6.7	2.0	4.3	2.7	4.7	4.1
LSD VALUE	1.6	1.9	1.3	1.2	0.8	0.6
C.V. (%)	16.3	53.0	10.1	9.9	7.9	14.8

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 26. SEEDHEAD RATINGS OF ZOYSIAGRASS CULTIVARS AT RIVERSIDE, CA 1/ 2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	SPRING	FALL	MEAN
DALZ 1714	8.7	8.0	8.3
DALZ 1713	7.3	8.7	8.0
DALZ 1806	8.3	7.3	7.8
DALZ 1613	8.0	6.7	7.3
FZ 1722	8.3	6.3	7.3
FZ 1728	7.0	7.3	7.2
DALZ 1802	7.3	6.7	7.0
FZ 1721	7.0	6.7	6.8
DALZ 1701	8.0	5.3	6.7
FZ 1367	5.3	7.0	6.2
FZ 1436	5.0	7.3	6.2
FZ 1727	5.3	7.0	6.2
FZ 1723	6.3	5.7	6.0
FZ 1732	8.3	3.7	6.0
DALZ 1409	3.0	8.7	5.8
DALZ 1614	8.0	3.3	5.7
UGA GZ 17-4	4.3	7.0	5.7
DALZ 1311	7.7	3.3	5.5
FZ 1440	4.7	6.3	5.5
FAES 1319	8.3	2.3	5.3
DALZ 1601	7.3	3.0	5.2
EMPIRE	8.0	2.3	5.2
FZ 1327	6.7	3.7	5.2
FZ 1407	6.7	3.7	5.2
FZ 1410	8.0	2.3	5.2
DALZ 1603	7.7	2.3	5.0
DALZ 1707	8.3	1.3	4.8
FZ 1422	6.7	3.0	4.8
15-TZ-11715	5.3	3.7	4.5
DALZ 1408	3.3	5.7	4.5
FZ 1368	6.0	3.0	4.5
ZEON	1.7	5.0	3.3
16-TZ-12783	4.7	1.7	3.2
MEYER	5.3	1.0	3.2
FAES 1335	4.7	1.3	3.0
DALZ 1807	2.0	3.7	2.8
DALZ 1808	2.3	1.0	1.7
EMERALD	1.7	1.3	1.5
16-TZ-13463	1.7	1.0	1.3
LSD VALUE	1.5	2.5	1.4
C.V. (%)	16.4	35.2	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 27. SEEDHEAD RATINGS OF ZOYSIAGRASS CULTIVARS AT JAY, FL 1/ 2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	APRIL	SEPTEMBER	MEAN
DALZ 1408	4.3	2.0	3.2
FZ 1436	4.3	2.0	3.2
DALZ 1601	3.3	2.7	3.0
FZ 1723	4.3	1.7	3.0
DALZ 1806	3.0	2.3	2.7
FZ 1728	3.3	2.0	2.7
DALZ 1409	3.3	1.7	2.5
FZ 1410	1.3	3.7	2.5
FZ 1727	2.7	2.3	2.5
ZEON	2.3	2.7	2.5
15-TZ-11715	2.0	2.7	2.3
FZ 1367	3.0	1.7	2.3
FZ 1722	3.0	1.7	2.3
DALZ 1603	2.3	2.0	2.2
DALZ 1613	2.3	2.0	2.2
EMERALD	2.3	2.0	2.2
FZ 1732	2.3	2.0	2.2
16-TZ-12783	2.0	2.0	2.0
16-TZ-13463	2.0	2.0	2.0
DALZ 1808	2.0	2.0	2.0
EMPIRE	2.7	1.3	2.0
FZ 1368	2.0	2.0	2.0
UGA GZ 17-4	2.7	1.3	2.0
DALZ 1713	1.3	2.3	1.8
FAES 1335	1.7	2.0	1.8
FZ 1422	1.7	2.0	1.8
DALZ 1714	1.3	2.0	1.7
MEYER	2.0	1.3	1.7
DALZ 1701	1.7	1.3	1.5
DALZ 1707	1.3	1.7	1.5
FAES 1319	1.0	2.0	1.5
FZ 1327	2.0	1.0	1.5
FZ 1721	1.7	1.3	1.5
DALZ 1311	1.0	1.7	1.3
DALZ 1802	1.3	1.3	1.3
FZ 1440	1.7	1.0	1.3
DALZ 1614	1.3	1.0	1.2
DALZ 1807	1.3	1.0	1.2
FZ 1407	1.3	1.0	1.2
LSD VALUE	2.8	2.8	2.2
C.V. (%)	53.4	48.5	40.0

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 28. SEEDHEAD RATINGS OF ZOYSIAGRASS CULTIVARS AT WEST LAFAYETTE, IN 1/ 2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	SPRING	FALL	MEAN
16-TZ-13463	9.0	9.0	9.0
DALZ 1409	9.0	9.0	9.0
DALZ 1714	9.0	9.0	9.0
EMERALD	9.0	9.0	9.0
FZ 1723	9.0	9.0	9.0
FZ 1727	9.0	9.0	9.0
UGA GZ 17-4	9.0	9.0	9.0
ZEON	9.0	9.0	9.0
DALZ 1408	9.0	8.5	8.8
DALZ 1806	9.0	8.7	8.8
FZ 1367	9.0	8.7	8.8
FZ 1422	9.0	8.7	8.8
FZ 1436	9.0	8.7	8.8
DALZ 1808	9.0	8.3	8.7
FZ 1440	8.7	8.7	8.7
16-TZ-12783	9.0	8.0	8.5
FAES 1335	9.0	8.0	8.5
DALZ 1613	8.7	8.0	8.3
DALZ 1614	9.0	7.7	8.3
DALZ 1701	8.3	8.3	8.3
DALZ 1707	7.7	9.0	8.3
FAES 1319	9.0	7.7	8.3
MEYER	7.7	9.0	8.3
15-TZ-11715	9.0	7.3	8.2
DALZ 1713	8.7	7.7	8.2
FZ 1728	9.0	7.0	8.0
FZ 1732	9.0	6.3	7.7
FZ 1410	8.7	6.0	7.3
FZ 1722	8.0	6.7	7.3
EMPIRE	8.7	5.7	7.2
DALZ 1603	8.7	4.7	6.7
FZ 1407	8.7	4.7	6.7
DALZ 1311	8.7	4.3	6.5
FZ 1327	8.7	4.3	6.5
DALZ 1601	8.3	4.3	6.3
DALZ 1802	.	.	.
DALZ 1807	.	.	.
FZ 1368	.	.	.
FZ 1721	.	.	.
LSD VALUE	1.1	1.2	0.8
C.V. (%)	5.4	10.3	5.8

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR ZOYSIAGRASS CULTIVARS */
2021 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
15-TZ-11715	6.0	7.1
16-TZ-12783	5.9	21.4
16-TZ-13463	5.8	0.0
DALZ 1311	6.0	14.3
DALZ 1408	5.3	21.4
DALZ 1409	5.2	14.3
DALZ 1601	6.0	0.0
DALZ 1603	6.0	14.3
DALZ 1613	6.2	21.4
DALZ 1614	6.3	21.4
DALZ 1701	6.6	50.0
DALZ 1707	6.4	42.9
DALZ 1713	5.3	7.1
DALZ 1714	4.6	14.3
DALZ 1802	4.8	7.1
DALZ 1806	5.1	14.3
DALZ 1807	4.4	7.1
DALZ 1808	6.5	42.9
EMERALD	6.6	57.1
EMPIRE	6.2	35.7
FAES 1319	6.6	64.3
FAES 1335	6.0	21.4
FZ 1327	5.8	7.1
FZ 1367	5.4	35.7
FZ 1368	4.9	7.1
FZ 1407	6.1	14.3
FZ 1410	6.0	14.3
FZ 1422	6.3	50.0
FZ 1436	5.3	28.6
FZ 1440	5.7	35.7
FZ 1721	4.6	0.0
FZ 1722	6.1	35.7
FZ 1723	5.9	21.4
FZ 1727	6.3	50.0
FZ 1728	5.1	7.1
FZ 1732	6.4	50.0
MEYER	5.3	0.0
UGA GZ 17-4	5.3	21.4
ZEON	6.5	42.9
LSD VALUE	0.3	
C.V. (%)	11.2	

*/ 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.