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.

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Mr. Micah Gould, Barenbrug USA.
Dr. Cole Thompson, USGA Green Section
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A Guide to NTEP Turfgrass Ratings

Introduction

The quality and scientific merit of NTEP data is extremely important. However, the evaluation of turfgrass species and cultivars is a difficult and complex issue. Furthermore, turfgrass evaluation is generally a subjective process based on visual estimates of factors, like genetic color, stand density, leaf texture, uniformity and quality. These factors can not be measured in the same way as other agricultural crops. Turfgrass quality is not a measure of yield or nutritive value. Turfgrass quality is a measure of aesthetics (i.e. density, uniformity, texture, smoothness, growth habit and color), and functional use. The most common way of assessing turfgrass quality is a visual rating system that is based on the turfgrass evaluator's judgement.

General Considerations

Most visual ratings collected on NTEP trials are based on a 1 to 9 rating scale. One is the poorest or lowest and 9 is the best or highest rating. However, a few characteristics, such as winter kill or percent living ground cover, are rated on a percentage basis, again by using the evaluator's judgement. Most disease ratings found in NTEP reports will use the 1-9 scale, 9=no disease except where the evaluator made a judgement of the percentage of disease in each plot. Percent disease data will be found in separate tables and will normally not be included with disease data using the 1-9 scale.

Turfgrass Quality

Turfgrass Quality is based on 9 being outstanding or ideal turf and 1 being poorest or dead. A rating of 6 or above is generally considered acceptable. A quality rating value of 9 is reserved for a perfect or ideal grass, but it also can reflect an absolutely outstanding treatment plot. The NTEP requires quality ratings on a monthly basis. Quality ratings take into account the aesthetic and functional aspects of the turf. Quality ratings are not based on color alone, but on a combination of color, density, uniformity, texture, and disease or environmental stress.

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 2001 data, data from each location will be posted separately as well on the NTEP web site, *http://www.ntep.org*). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at *http://www.ntep.org/pdf/grandmean.mem.pdf*.

Other Ratings

More detailed information on the ratings of specific characteristics can be found on the NTEP web site at *http://www.ntep.org/reports/ratings.htm*.

2019 NATIONAL ZOYSIAGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2022

State	Location	Code
Alabama	Auburn	AL1
California	Riverside	CA3
Florida	Gainesville	FL1
Florida	Jay	FL3
Florida	Ft. Lauderdale	FL5
Indiana	West Lafayette	IN1
Kansas	Manhattan	KS1
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 2023

TABLE A. 2022 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	SANDY LOAM	6.1-6.5	0-60	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
CA3	SANDY LOAM	7.1-7.5	0-60	241-375	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
FL1	-	-	-	-	-	-	-	-
FL3	SANDY LOAM	5.6-6.0	151-270	0-150	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
FL5	SAND	6.6-7.0	-	-	-	FULL SUN	0.6-1.0	TO PREVENT STRESS
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
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 2022

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
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			
IN1					X				X						
KS1						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	X
TN1				X	X	X	X	X	X	X	X		X	X	X
TX1					X	X			X	X			X	X	X
TX2				X	X	X	X	X	X	X			X	X	X

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2022

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	PERCENT WINTER KILL	DOLLAR SPOT	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER
AL1										X			
CA3												X	X
FL1							X						
FL3										X			
FL5													
IN1				X							X		
KS1								X			X		
NC1		X							X			X	X
NC2													
OK1												X	
TN1	X	X	X	X	X	X				X	X	X	
TX1												X	
TX2											X		

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2022

LOCATION	SEEDHEAD RATINGS	SEEDHEAD RATING SPRING	SEEDHEAD RATING FALL	LARGE PATCH OCTOBER	LARGE PATCH NOVEMBER	WINTER KILL RATINGS
AL1						
CA3	X	X	X			
FL1	X					
FL3	X			X	X	
FL5						
IN1						
KS1	X					
NC1						
* NC2						
OK1	X					
TN1						
* TX1					X	X
* TX2						

* MORE DATA FOR NC2, TX1 AND TX2 IN TABLE 5, 6 AND 7.

TABLE 1. TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2022 DATA

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

NAME	ENTRY #	NC1	FL1	FL5	AL1	TN1	OK1	CA3	MEAN
* EMERALD	2	6.0	5.8	6.9	6.3	6.1	6.8	5.9	6.3
FZ 1722	36	6.2	6.3	6.9	6.2	5.7	6.8	5.7	6.3
* FAES 1319	31	6.0	6.2	6.9	6.3	5.9	6.7	5.8	6.3
DALZ 1701	29	7.2	5.3	6.5	5.7	5.8	6.8	5.7	6.1
FZ 1422	8	6.9	5.7	6.6	5.8	5.6	6.7	5.6	6.1
DALZ 1601	25	7.1	5.4	6.5	5.6	5.7	6.8	5.6	6.1
DALZ 1603	26	6.5	5.5	6.5	5.8	5.8	6.6	5.6	6.1
DALZ 1808	21	5.3	5.6	6.8	6.3	6.1	6.5	5.8	6.0
FZ 1723	37	6.1	6.0	6.6	5.9	5.5	6.5	5.5	6.0
FZ 1727	9	5.1	5.7	6.8	6.3	6.0	6.5	5.8	6.0
FZ 1732	39	5.5	6.3	6.8	6.2	5.5	6.3	5.5	6.0
FAES 1335	32	5.1	5.3	6.7	6.3	6.1	6.6	5.8	6.0
FZ 1407	34	7.0	5.2	6.3	5.5	5.6	6.7	5.5	6.0
FZ 1368	5	5.8	5.4	6.4	5.9	5.5	6.9	5.7	5.9
DALZ 1613	27	5.1	5.9	6.7	6.2	5.7	6.3	5.5	5.9
DALZ 1409	24	5.7	5.7	6.5	5.9	5.4	6.6	5.6	5.9
FZ 1440	7	4.4	5.6	6.7	6.4	5.9	6.4	5.7	5.9
FZ 1327	33	6.4	5.4	6.4	5.6	5.6	6.4	5.4	5.9
FZ 1410	4	6.1	5.0	6.4	5.7	5.8	6.5	5.5	5.9
DALZ 1802	18	6.2	4.4	6.2	5.6	5.7	7.1	5.8	5.9
DALZ 1408	23	4.6	5.6	6.6	6.2	5.7	6.5	5.7	5.8
DALZ 1707	30	6.3	4.5	6.3	5.6	5.9	6.6	5.6	5.8
DALZ 1311	22	6.8	5.4	6.2	5.4	5.3	6.4	5.3	5.8
FZ 1436	10	4.7	5.5	6.5	6.1	5.6	6.5	5.6	5.8
* ZEON	3	5.6	4.7	6.4	5.8	6.0	6.5	5.6	5.8
FZ 1367	6	5.0	5.9	6.5	6.0	5.4	6.3	5.4	5.8
DALZ 1714	17	5.3	4.8	6.3	5.9	5.7	6.7	5.7	5.8
15-TZ-11715	11	5.8	5.5	6.3	5.7	5.4	6.3	5.3	5.8
* EMPIRE	15	6.2	5.3	6.2	5.5	5.4	6.3	5.3	5.7
DALZ 1614	28	5.6	4.8	6.3	5.7	5.7	6.4	5.5	5.7
UGA GZ 17-4	14	6.0	5.4	6.2	5.5	5.1	6.5	5.3	5.7
16-TZ-12783	12	5.6	5.5	6.3	5.6	5.3	6.2	5.2	5.7
DALZ 1806	19	4.7	4.1	6.2	5.9	6.0	6.6	5.8	5.6
DALZ 1713	16	4.6	4.9	6.1	5.7	5.4	6.0	5.2	5.4
16-TZ-13463	13	4.5	4.1	6.0	5.6	5.7	6.1	5.4	5.4
DALZ 1807	20	4.9	3.2	5.6	5.2	5.7	6.6	5.5	5.3
FZ 1728	38	3.3	3.9	5.6	5.3	5.1	5.3	4.7	4.8
FZ 1721	35	2.7	3.7	5.6	5.4	5.2	5.5	4.9	4.7
* MEYER	1	3.7	3.1	5.4	5.0	5.4	5.3	4.7	4.6
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		10.3	11.0	8.9	9.8	10.1	8.9	10.4	9.9

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2023

**/ 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 */
2022 DATA

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

NAME	ENTRY #	IN1	KS1	MEAN
MEYER	1	6.6	7.6	7.1
DALZ 1808	21	5.6	7.9	6.8
DALZ 1701	29	6.2	7.2	6.7
DALZ 1603	26	5.7	7.3	6.5
DALZ 1707	30	6.1	6.9	6.5
FZ 1422	8	5.7	7.3	6.5
FZ 1407	34	5.8	7.0	6.4
ZEON	3	5.7	7.1	6.4
FZ 1327	33	5.5	7.2	6.3
EMERALD	2	5.2	7.3	6.3
FAES 1319	31	4.8	7.4	6.1
FZ 1410	4	5.4	6.8	6.1
DALZ 1311	22	5.3	6.9	6.1
DALZ 1601	25	5.4	6.7	6.1
EMPIRE	15	5.0	6.8	5.9
15-TZ-11715	11	4.7	6.9	5.8
DALZ 1613	27	4.2	7.1	5.7
FZ 1732	39	3.9	7.0	5.5
FZ 1723	37	4.1	6.6	5.3
DALZ 1614	28	4.6	6.1	5.3
FZ 1727	9	3.8	6.4	5.1
16-TZ-12783	12	3.8	6.1	5.0
FZ 1722	36	3.6	6.2	4.9
FAES 1335	32	3.7	5.9	4.8
16-TZ-13463	13	3.8	5.3	4.5
FZ 1728	38	3.3	5.6	4.4
FZ 1440	7	2.8	5.7	4.2
DALZ 1713	16	3.0	5.3	4.1
FZ 1367	6	1.4	4.5	3.0
UGA GZ 17-4	14	1.6	3.7	2.7
DALZ 1409	24	1.4	3.9	2.7
DALZ 1806	19	2.0	3.2	2.6
FZ 1436	10	1.1	3.9	2.5
DALZ 1714	17	1.5	3.2	2.3
DALZ 1408	23	0.8	3.7	2.3
FZ 1721	35	0.9	3.2	2.1
FZ 1368	5	0.3	2.4	1.3
DALZ 1807	20	1.1	1.4	1.3
DALZ 1802	18	0.9	1.7	1.3
LSD VALUE		0.9	0.9	0.9
C.V. (%)		15.2	10.0	12.1

*/ 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. MEAN TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS GROWN AT THREE LOCATIONS IN THE U.S. 1/ MAINTAINED USING "SCHEDULE A" ** 2022 DATA

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

NAME	AL1	FL5	KS1	MEAN
FAES 1319	6.8	6.8	7.4	7.0
DALZ 1808	6.2	6.6	7.6	6.8
FZ 1727	7.0	6.6	6.7	6.8
EMERALD	6.8	6.3	7.1	6.8
FZ 1732	6.0	6.7	7.0	6.6
ZEON	6.8	5.6	7.3	6.6
DALZ 1603	5.8	6.8	7.0	6.5
DALZ 1701	6.0	6.5	7.1	6.5
FZ 1410	5.5	7.0	7.0	6.5
FZ 1422	6.0	6.4	7.1	6.5
DALZ 1613	6.1	6.3	7.0	6.5
15-TZ-11715	6.1	6.1	7.1	6.4
FZ 1722	6.4	6.8	6.1	6.4
DALZ 1707	6.2	5.9	7.2	6.4
FAES 1335	6.2	6.8	6.3	6.4
EMPIRE	5.6	6.9	6.8	6.4
FZ 1407	5.3	6.6	7.0	6.3
DALZ 1311	5.2	6.6	6.9	6.2
FZ 1723	5.5	6.6	6.7	6.2
FZ 1440	6.4	6.8	5.4	6.2
FZ 1327	5.0	6.2	7.3	6.2
DALZ 1601	5.1	6.7	6.7	6.2
DALZ 1614	5.9	5.9	6.3	6.0
16-TZ-12783	5.6	6.0	6.4	6.0
DALZ 1713	5.3	7.1	5.4	5.9
FZ 1436	6.2	6.8	4.0	5.7
FZ 1367	5.9	6.7	4.4	5.7
16-TZ-13463	5.7	6.3	4.9	5.6
MEYER	4.2	5.6	7.0	5.6
FZ 1728	4.8	5.8	6.0	5.5
DALZ 1408	6.2	6.8	3.6	5.5
DALZ 1409	5.4	6.3	4.3	5.4
DALZ 1714	5.7	6.0	3.7	5.1
UGA GZ 17-4	5.3	6.3	3.6	5.1
DALZ 1806	5.9	5.9	3.2	5.0
FZ 1721	5.8	5.7	3.1	4.9
DALZ 1802	5.9	6.2	1.6	4.5
FZ 1368	6.0	6.0	1.6	4.5
DALZ 1807	4.9	5.7	1.6	4.0
LSD VALUE	0.8	0.7	1.2	0.5
C.V. (%)	8.6	6.6	13.1	9.6

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 4. MEAN TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS GROWN AT SIX LOCATIONS IN THE U.S. 1/ MAINTAINED USING "SCHEDULE B" * 2022 DATA

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

NAME	CA3	FL1	IN1	NC1	OK1	TN1	MEAN
DALZ 1701	5.8	5.3	6.3	7.2	6.8	5.5	6.1
FZ 1422	5.0	5.9	5.8	6.9	6.5	6.1	6.0
DALZ 1601	5.5	5.6	5.5	6.9	6.9	5.9	6.0
EMERALD	5.5	6.1	5.5	5.8	7.3	6.0	6.0
DALZ 1603	5.4	5.7	6.0	6.5	6.2	6.0	6.0
FZ 1407	5.5	5.2	5.8	6.9	6.9	5.5	6.0
DALZ 1808	5.8	6.0	6.0	5.0	6.8	5.9	5.9
FZ 1327	5.4	5.5	5.3	6.2	6.9	5.9	5.9
FAES 1319	5.7	6.1	4.8	6.0	6.8	5.5	5.8
DALZ 1707	5.8	4.2	5.8	6.6	6.4	5.9	5.8
DALZ 1311	5.4	5.3	5.3	6.7	6.4	5.1	5.7
FZ 1722	6.0	6.4	3.7	6.3	6.4	5.6	5.7
FZ 1723	5.8	6.1	4.0	6.1	6.4	5.8	5.7
ZEON	5.6	4.4	5.5	5.9	6.5	5.8	5.6
FZ 1410	5.5	4.7	5.2	6.3	6.0	6.0	5.6
DALZ 1613	5.6	6.3	4.3	5.0	6.4	5.8	5.6
FZ 1732	6.0	6.4	4.0	5.4	6.3	5.3	5.6
EMPIRE	5.3	5.0	5.0	6.3	6.2	5.1	5.5
DALZ 1614	5.8	4.7	4.3	5.8	6.2	5.8	5.4
15-TZ-11715	5.1	5.2	4.5	6.1	6.2	5.5	5.4
FAES 1335	6.1	4.9	3.3	5.3	6.5	6.1	5.4
FZ 1727	5.4	5.3	3.5	5.4	6.5	5.9	5.3
16-TZ-12783	5.6	5.3	3.5	5.8	6.0	5.4	5.3
FZ 1440	5.4	5.9	3.0	4.3	6.5	6.0	5.2
FZ 1368	5.3	6.4	1.0	5.5	6.6	5.9	5.1
DALZ 1409	5.6	5.5	1.0	5.8	6.8	5.8	5.1
UGA GZ 17-4	5.6	5.6	1.8	5.8	6.6	4.7	5.0
MEYER	4.6	3.9	7.2	3.1	5.7	5.4	5.0
DALZ 1802	5.8	4.4	1.0	6.1	7.4	5.2	5.0
16-TZ-13463	5.7	4.3	4.2	4.4	5.7	5.4	4.9
DALZ 1714	5.7	4.5	1.0	5.4	7.0	6.0	4.9
FZ 1367	5.4	6.0	1.5	4.9	6.5	5.3	4.9
DALZ 1806	5.8	4.3	2.0	4.6	6.8	6.0	4.9
DALZ 1408	5.6	5.6	1.0	4.5	6.7	5.4	4.8
FZ 1436	5.6	5.3	1.0	4.9	6.2	5.7	4.8
DALZ 1713	4.7	4.6	2.8	4.6	6.3	5.5	4.7
DALZ 1807	5.7	3.2	1.0	4.9	6.5	5.9	4.5
FZ 1728	5.1	3.6	2.8	3.6	4.9	5.6	4.3
FZ 1721	4.8	3.5	1.0	2.8	5.3	5.0	3.7
LSD VALUE	0.6	1.1	0.9	1.3	0.3	1.0	0.4
C.V. (%)	6.7	13.1	14.4	14.5	2.8	10.8	10.7

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 5. PERCENT GROUND COVER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER TRAFFIC AT RALEIGH, NC 1/ 2022 DATA 2/

NAME	SEPTEMBER 12		SEPTEMBER 15		SEPTEMBER 22		SEPTEMBER 24		OCTOBER 6	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
DALZ 1714	99.0	98.3	99.0	97.0	99.0	93.3	99.0	89.0	99.0	80.0
DALZ 1802	99.0	97.0	99.0	94.7	99.0	90.0	99.0	84.0	99.0	68.7
FZ 1368	99.0	99.0	99.0	97.7	99.0	96.3	99.0	93.3	99.0	81.7
16-TZ-13463	99.0	97.0	99.0	95.7	99.0	91.3	99.0	84.7	99.0	73.3
FZ 1440	99.0	96.3	99.0	95.0	99.0	90.7	99.0	84.7	99.0	70.7
FZ 1722	99.0	97.0	99.0	95.7	99.0	91.7	99.0	86.3	99.0	72.7
DALZ 1409	99.0	97.0	99.0	96.3	99.0	92.3	99.0	85.3	99.0	68.3
DALZ 1601	99.0	98.3	99.0	98.3	99.0	95.7	99.0	90.7	99.0	78.3
DALZ 1614	99.0	97.7	99.0	97.0	99.0	94.7	99.0	88.0	99.0	73.3
DALZ 1707	99.0	97.0	99.0	95.7	99.0	89.7	99.0	83.0	99.0	67.7
DALZ 1806	99.0	95.7	99.0	94.0	99.0	88.7	99.0	82.3	99.0	70.0
FZ 1367	99.0	97.0	99.0	94.7	99.0	90.7	99.0	83.3	99.0	70.7
UGA GZ 17-4	99.0	96.3	99.0	94.7	99.0	89.7	99.0	83.7	99.0	70.0
15-TZ-11715	99.0	97.0	99.0	96.3	99.0	91.3	99.0	85.7	99.0	73.0
DALZ 1603	99.0	95.7	99.0	95.7	99.0	90.7	99.0	82.3	99.0	64.0
FAES 1319	99.0	97.0	99.0	96.3	99.0	92.3	99.0	85.7	99.0	71.0
FZ 1422	99.0	97.7	99.0	97.7	99.0	94.0	99.0	87.3	99.0	75.7
DALZ 1701	99.0	97.0	99.0	95.7	99.0	92.3	99.0	86.3	99.0	72.7
FZ 1436	99.0	94.7	99.0	93.0	99.0	88.0	99.0	83.0	99.0	69.3
16-TZ-12783	99.0	97.0	99.0	95.7	99.0	92.3	99.0	84.7	99.0	69.3
DALZ 1408	99.0	94.7	99.0	93.0	99.0	88.0	99.0	82.3	99.0	64.3
DALZ 1808	99.0	92.3	99.0	89.0	99.0	83.0	99.0	76.0	99.0	59.0
EMERALD	99.0	95.7	99.0	94.7	99.0	89.0	99.0	83.0	99.0	69.3
FAES 1335	99.0	97.0	99.0	95.7	99.0	91.3	99.0	84.0	99.0	69.7
MEYER	98.3	93.3	98.3	91.3	98.3	85.7	98.3	78.3	98.3	61.0
DALZ 1311	99.0	97.0	99.0	97.0	99.0	92.0	99.0	84.7	99.0	71.0
DALZ 1613	99.0	96.3	99.0	94.0	99.0	88.3	99.0	83.3	99.0	67.3
DALZ 1713	99.0	95.7	99.0	92.0	99.0	87.0	99.0	80.7	99.0	66.0
DALZ 1807	98.3	93.0	98.3	90.7	98.3	84.7	98.3	78.3	98.3	60.7
FZ 1410	99.0	96.3	99.0	95.7	99.0	91.3	99.0	85.7	99.0	72.3
FZ 1732	99.0	97.0	99.0	95.7	99.0	89.0	99.0	80.7	99.0	62.7
FZ 1721	98.3	94.0	98.3	92.0	98.3	85.7	98.3	80.0	98.3	63.3
FZ 1723	99.0	97.0	99.0	94.7	99.0	89.7	99.0	80.7	99.0	64.0
FZ 1727	99.0	97.7	99.0	96.3	99.0	91.3	99.0	85.0	99.0	66.7
ZEON	99.0	96.3	99.0	94.0	99.0	88.0	99.0	80.7	99.0	66.7
EMPIRE	99.0	97.7	99.0	96.3	99.0	91.3	99.0	84.0	99.0	67.3
FZ 1327	99.0	95.7	99.0	93.0	99.0	86.7	99.0	80.0	99.0	66.0
FZ 1407	99.0	98.3	99.0	96.3	99.0	93.3	99.0	85.7	99.0	69.0
FZ 1728	99.0	92.3	99.0	89.7	99.0	83.0	99.0	75.0	99.0	58.7
LSD VALUE	1.1	2.3	1.1	2.9	1.1	4.0	1.1	5.8	1.1	8.3
C.V. (%)	0.3	1.4	0.3	1.9	0.3	2.7	0.3	4.0	0.3	7.0

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

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

TABLE 5. PERCENT GROUND COVER RATINGS OF ZOYSIAGRASS CULTIVARS
(CONT'D) GROWN UNDER TRAFFIC AT RALEIGH, NC 1/
2022 DATA 2/

NAME	OCTOBER 13		OCTOBER 20		OCTOBER 27		NOVEMBER 3	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
DALZ 1714	99.0	63.3	99.0	55.0	99.0	48.3	99.0	38.3
DALZ 1802	99.0	61.7	99.0	51.0	99.0	45.0	99.0	36.7
FZ 1368	99.0	70.0	99.0	60.0	99.0	50.0	99.0	36.7
16-TZ-13463	99.0	58.3	99.0	48.3	99.0	40.0	99.0	30.0
FZ 1440	99.0	58.3	99.0	46.7	99.0	38.3	99.0	28.3
FZ 1722	99.0	58.3	99.0	48.3	99.0	38.3	99.0	28.3
DALZ 1409	99.0	54.0	99.0	45.0	99.0	36.0	99.0	26.7
DALZ 1601	99.0	58.3	99.0	48.3	99.0	37.7	99.0	26.7
DALZ 1614	99.0	55.0	99.0	45.0	99.0	35.0	99.0	26.7
DALZ 1707	99.0	51.7	99.0	41.7	99.0	35.0	99.0	26.7
DALZ 1806	99.0	55.0	99.0	45.0	99.0	35.0	99.0	26.7
FZ 1367	99.0	56.7	99.0	45.0	99.0	36.0	99.0	26.7
UGA GZ 17-4	99.0	56.7	99.0	48.3	99.0	39.3	99.0	26.7
15-TZ-11715	99.0	58.3	99.0	45.0	99.0	35.0	99.0	25.0
DALZ 1603	99.0	46.7	99.0	37.7	99.0	31.7	99.0	25.0
FAES 1319	99.0	55.0	99.0	43.3	99.0	35.0	99.0	25.0
FZ 1422	99.0	55.0	99.0	45.0	99.0	35.0	99.0	25.0
DALZ 1701	99.0	53.3	99.0	41.7	99.0	31.7	99.0	23.3
FZ 1436	99.0	53.3	99.0	41.7	99.0	33.3	99.0	23.3
16-TZ-12783	99.0	51.7	99.0	40.0	99.0	32.7	99.0	21.7
DALZ 1408	99.0	51.7	99.0	41.7	99.0	33.3	99.0	21.7
DALZ 1808	99.0	45.0	99.0	41.0	99.0	31.7	99.0	20.0
EMERALD	99.0	50.0	99.0	41.7	99.0	31.7	99.0	20.0
FAES 1335	99.0	51.7	99.0	41.7	99.0	31.0	99.0	20.0
MEYER	98.3	45.0	98.3	38.3	98.3	28.3	98.3	20.0
DALZ 1311	99.0	53.3	99.0	41.0	99.0	30.0	99.0	18.3
DALZ 1613	99.0	48.3	99.0	38.3	99.0	30.0	99.0	18.3
DALZ 1713	99.0	46.7	99.0	35.0	99.0	26.7	99.0	18.3
DALZ 1807	98.3	46.0	98.3	35.0	98.3	26.7	98.3	18.3
FZ 1410	99.0	50.0	99.0	40.0	99.0	30.0	99.0	18.3
FZ 1732	99.0	45.0	99.0	36.0	99.0	27.7	99.0	18.3
FZ 1721	98.3	45.0	98.3	36.7	98.3	28.3	98.3	16.7
FZ 1723	99.0	46.7	99.0	37.7	99.0	30.0	99.0	16.7
FZ 1727	99.0	50.0	99.0	40.0	99.0	30.0	99.0	16.7
ZEON	99.0	45.0	99.0	35.0	99.0	26.7	99.0	16.7
EMPIRE	99.0	49.3	99.0	38.3	99.0	28.3	99.0	15.0
FZ 1327	99.0	48.3	99.0	36.0	99.0	26.7	99.0	15.0
FZ 1407	99.0	48.3	99.0	38.3	99.0	28.3	99.0	15.0
FZ 1728	99.0	40.0	99.0	30.0	99.0	21.7	99.0	10.0
LSD VALUE	1.1	11.6	1.1	11.8	1.1	11.9	1.1	12.4
C.V. (%)	0.3	12.1	0.3	15.0	0.3	19.2	0.3	29.5

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 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER DROUGHT AT DALLAS, TX 1/
2022 DATA

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

NAME	GENETIC COLOR	GREENUP APRIL	GREENUP MAY	LEAF TEXTURE	COLOR NOVEMBER	WINTER KILL	QUALITY RATINGS MAY	JUN	SEP	OCT	MEAN
DALZ 1601	7.3	4.0	8.0	5.0	4.7	8.7	9.0	8.7	8.0	7.0	8.2
DALZ 1311	7.3	3.7	7.7	5.0	4.0	8.3	8.3	8.7	7.0	6.7	7.7
FZ 1407	6.7	3.3	6.7	5.3	4.0	7.7	8.0	8.0	7.3	6.7	7.5
EMERALD	7.3	4.7	8.0	7.3	6.0	8.3	8.0	6.7	7.3	7.3	7.3
EMPIRE	7.0	4.0	6.7	5.3	3.7	7.3	7.7	8.0	7.3	5.7	7.2
DALZ 1603	6.3	3.0	5.7	5.3	4.7	6.7	6.3	7.0	7.3	7.7	7.1
DALZ 1409	6.0	3.3	7.3	8.3	5.7	8.0	6.7	5.7	8.0	7.3	6.9
ZEON	6.0	4.3	7.7	7.7	5.7	8.7	7.0	6.0	7.3	7.3	6.9
FAES 1319	7.0	5.0	8.3	6.7	4.3	8.3	8.0	5.7	7.3	6.0	6.8
UGA GZ 17-4	6.0	3.3	7.7	8.3	5.0	8.3	6.7	6.0	7.7	6.7	6.8
DALZ 1701	7.0	3.7	7.0	6.3	5.0	7.3	6.7	6.0	7.3	6.3	6.6
FZ 1422	6.3	2.7	6.0	6.3	5.3	7.0	6.3	6.3	7.0	6.7	6.6
DALZ 1714	6.7	3.0	5.7	7.0	6.3	6.0	5.7	5.7	7.3	7.3	6.5
FZ 1440	6.7	2.3	5.0	8.0	4.0	5.0	5.7	5.7	7.3	6.0	6.2
DALZ 1713	6.7	2.7	5.3	7.0	5.3	5.7	5.0	5.7	7.0	6.7	6.1
FZ 1410	6.3	3.0	5.3	5.7	3.7	6.0	6.0	5.7	6.7	6.0	6.1
DALZ 1802	7.0	2.3	5.3	9.0	5.3	6.3	5.0	5.0	7.3	6.3	5.9
FZ 1367	6.3	2.7	5.7	8.3	4.3	5.3	5.0	5.3	6.7	6.7	5.9
DALZ 1408	6.0	2.0	5.3	8.3	3.7	5.7	5.0	5.0	7.0	6.0	5.8
FZ 1368	6.7	2.7	5.3	7.7	4.3	5.7	5.3	5.3	6.3	6.0	5.8
FZ 1436	6.3	2.3	5.0	8.0	4.3	5.7	5.0	4.7	6.3	6.3	5.6
DALZ 1707	5.7	3.3	5.3	7.0	5.0	6.3	4.7	4.0	6.0	5.7	5.1
15-TZ-11715	4.3	3.3	5.0	7.0	4.7	6.3	5.0	4.3	5.3	5.3	5.0
FZ 1722	6.3	2.0	4.3	7.7	4.3	5.0	4.3	5.0	5.3	5.0	4.9
FZ 1732	5.3	1.7	4.0	7.7	4.7	4.3	4.3	4.7	5.3	5.3	4.9
16-TZ-12783	5.3	2.0	4.7	6.7	4.3	5.0	4.3	3.7	5.3	5.3	4.7
DALZ 1807	6.7	3.3	5.7	9.0	5.3	8.0	5.0	4.3	4.3	5.0	4.7
DALZ 1808	6.0	2.7	3.7	6.0	4.7	4.3	3.7	4.3	4.7	5.3	4.5
DALZ 1613	5.0	2.7	4.3	7.3	4.3	4.3	3.7	2.7	6.0	5.3	4.4
DALZ 1806	6.7	2.3	4.3	8.7	5.5	4.7	3.0	3.7	5.3	5.3	4.3
FAES 1335	6.0	2.0	4.3	7.3	4.7	4.7	4.3	4.7	4.3	4.0	4.3
DALZ 1614	5.7	2.3	3.0	7.0	4.7	4.3	3.0	2.3	5.3	5.3	4.0
FZ 1727	5.7	2.3	3.7	8.0	3.7	3.7	3.7	4.0	4.3	4.0	4.0
16-TZ-13463	6.7	1.7	3.3	7.0	3.7	3.7	2.7	3.3	3.7	4.0	3.4
FZ 1327	6.0	1.7	3.0	6.0	4.0	3.0	2.7	2.7	3.7	3.7	3.2
FZ 1721	6.3	2.0	2.7	8.3	5.0	3.3	2.3	2.7	3.7	4.0	3.2
FZ 1723	4.0	2.0	3.3	7.7	3.7	4.0	2.7	3.0	3.7	3.3	3.2
FZ 1728	5.3	1.3	3.0	8.7	4.7	3.3	2.3	3.3	3.0	3.3	3.0
MEYER	6.0	1.0	1.3	6.0	4.0	3.7	1.3	1.3	1.7	1.7	1.5
LSD VALUE	1.3	1.7	2.3	0.6	2.5	2.4	2.1	1.6	2.2	2.7	1.8
C.V. (%)	11.6	33.5	26.3	5.9	20.7	25.0	26.5	21.4	22.3	25.7	20.7

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

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

TABLE 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
(CONT'D) GROWN UNDER DROUGHT AT DALLAS, TX 1/
2022 DATA

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

NAME	SEEDHEAD APRIL	SEEDHEAD MAY	SEEDHEAD JULY	QUALITY DURING DRY DOWN JUNE	QUALITY DURING DRY DOWN JULY	QUALITY DURING DRY DOWN AUGUST	QUALITY DURING RECOVERY JULY 18	QUALITY DURING RECOVERY JULY 26	QUALITY DURING RECOVERY AUGUST
DALZ 1601	6.7	7.0	3.0	9.0	5.3	8.7	9.0	7.7	8.7
DALZ 1311	6.0	6.7	3.3	8.0	4.7	7.7	8.3	7.3	8.3
FZ 1407	6.7	6.7	4.3	7.3	4.0	7.3	8.3	6.0	8.0
EMERALD	4.3	8.3	9.0	6.0	3.3	6.3	8.0	5.3	7.7
EMPIRE	5.7	6.3	5.3	6.3	3.3	6.7	8.0	6.7	8.0
DALZ 1603	7.3	7.7	6.3	6.0	3.7	5.7	7.3	4.7	6.3
DALZ 1409	9.0	9.0	9.0	5.7	3.7	7.0	8.3	6.7	7.7
ZEON	7.7	9.0	9.0	4.7	2.0	4.7	6.0	5.7	7.0
FAES 1319	5.3	7.3	7.3	7.0	3.7	6.3	7.7	5.3	7.3
UGA GZ 17-4	7.7	8.3	9.0	6.3	4.0	7.3	8.7	8.0	8.0
DALZ 1701	6.3	7.3	8.0	6.0	3.7	6.0	7.0	6.0	6.7
FZ 1422	6.0	7.0	9.0	4.0	1.7	4.7	5.7	4.3	5.7
DALZ 1714	8.0	7.3	6.7	5.7	4.3	6.0	7.0	6.3	7.3
FZ 1440	9.0	9.0	9.0	4.7	2.7	5.3	5.7	6.3	6.7
DALZ 1713	9.0	8.7	5.0	5.3	4.0	5.3	6.3	6.0	6.3
FZ 1410	7.7	7.3	6.3	4.7	2.3	5.3	6.0	4.0	6.0
DALZ 1802	4.7	7.3	9.0	4.0	2.0	4.3	5.7	5.0	5.7
FZ 1367	9.0	8.7	8.0	4.3	3.0	4.7	6.3	5.0	5.7
DALZ 1408	9.0	9.0	8.7	4.3	3.0	5.0	6.7	6.0	6.0
FZ 1368	9.0	9.0	9.0	5.0	1.7	3.7	4.7	4.7	5.0
FZ 1436	9.0	9.0	6.0	4.3	3.0	4.7	5.7	5.7	5.7
DALZ 1707	4.7	5.0	9.0	3.0	2.0	4.0	4.7	4.0	5.3
15-TZ-11715	8.0	9.0	8.7	2.3	1.3	3.0	4.3	3.7	5.0
FZ 1722	9.0	9.0	8.3	2.7	1.7	2.7	4.0	3.0	4.0
FZ 1732	9.0	8.3	7.3	2.7	2.0	3.3	4.3	4.0	4.7
16-TZ-12783	9.0	9.0	9.0	2.3	1.7	2.7	3.7	3.7	4.3
DALZ 1807	9.0	9.0	9.0	3.3	2.7	4.0	4.0	3.7	4.7
DALZ 1808	6.7	8.0	9.0	3.3	1.7	3.3	4.0	3.3	4.3
DALZ 1613	9.0	9.0	9.0	3.3	2.3	4.7	5.3	4.7	5.7
DALZ 1806	8.3	9.0	9.0	2.7	2.3	4.0	4.7	4.7	4.7
FAES 1335	9.0	9.0	9.0	2.7	1.3	2.3	3.3	3.0	3.7
DALZ 1614	8.3	8.7	9.0	2.7	2.0	4.0	4.7	4.0	5.0
FZ 1727	9.0	9.0	9.0	2.7	1.7	2.7	3.7	2.7	3.7
16-TZ-13463	8.0	9.0	9.0	1.0	1.0	1.7	2.3	2.3	2.7
FZ 1327	8.5	8.3	8.0	2.0	1.3	2.3	3.0	2.0	3.3
FZ 1721	8.0	7.3	9.0	2.0	1.3	2.0	3.0	2.7	3.3
FZ 1723	9.0	9.0	9.0	1.0	1.0	1.0	2.0	1.7	2.7
FZ 1728	9.0	9.0	9.0	1.0	1.0	2.0	2.0	2.0	2.3
MEYER	8.0	9.0	9.0	1.0	1.0	1.0	1.0	1.7	1.7
LSD VALUE	2.2	1.4	1.5	1.8	1.2	2.1	2.4	2.4	2.5
C.V. (%)	16.3	10.5	12.5	28.6	31.5	30.1	27.2	30.9	27.3

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 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN UNDER SHADE AT COLLEGE STATION, TX 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	COLOR OCTOBER	PERCENT GROUND COVER JUNE-SEPTEMBER JUNE	JULY	AUGUST	SEPTEMBER	QUALITY RATINGS APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DALZ 1714	6.0	3.0	5.7	5.3	85.0	68.3	56.7	80.0	6.0	6.0	6.0	5.0	4.3	4.7	5.0	5.3
16-TZ-12783	6.7	3.0	5.7	7.3	83.3	68.3	75.0	86.7	5.3	6.0	5.7	5.0	4.7	5.3	4.7	5.2
DALZ 1408	5.7	3.0	7.7	7.7	85.0	71.7	70.0	85.0	4.7	5.7	5.7	5.0	4.7	5.3	5.3	5.2
FAES 1319	6.7	3.0	6.0	8.0	81.7	55.0	71.7	85.0	5.3	5.3	5.3	4.3	4.7	5.7	5.7	5.2
FZ 1422	6.7	3.7	6.7	7.0	81.7	83.3	80.0	81.7	5.0	4.7	5.3	5.7	5.3	5.7	5.0	5.2
ZEON	6.7	3.7	7.3	6.3	90.0	83.3	65.0	73.3	5.3	6.3	6.3	6.0	4.3	4.0	4.0	5.2
UGA GZ 17-4	6.7	3.0	8.0	8.0	81.7	76.7	78.3	81.7	4.7	5.0	5.7	5.0	4.7	5.7	5.3	5.1
DALZ 1713	6.7	3.7	6.3	8.0	80.0	68.3	73.3	81.7	5.3	5.0	5.3	4.7	4.7	5.3	5.0	5.0
DALZ 1311	6.3	1.7	5.0	7.3	71.7	63.3	58.3	75.0	5.3	6.3	5.7	4.7	3.3	4.0	5.0	4.9
FZ 1722	7.3	2.0	7.3	6.3	70.0	73.3	80.0	80.0	5.3	5.0	4.7	5.0	5.3	4.7	4.0	4.9
DALZ 1808	7.3	2.0	7.0	6.3	81.7	56.7	61.7	76.7	5.3	5.3	6.0	4.3	4.0	4.0	4.0	4.7
FZ 1436	5.7	2.0	7.7	5.7	83.3	51.7	71.7	76.7	4.3	5.3	5.7	3.7	4.0	4.7	4.7	4.6
EMERALD	7.0	2.3	8.0	7.0	75.0	63.3	71.7	73.3	3.0	4.3	5.3	5.0	4.7	4.7	4.3	4.5
FZ 1410	6.3	3.3	4.7	4.7	80.0	76.7	61.7	53.3	5.0	5.0	6.0	5.3	3.3	3.7	3.0	4.5
DALZ 1601	5.0	2.0	5.3	4.0	83.3	43.3	33.3	33.3	6.0	5.7	6.3	3.7	2.7	3.0	3.0	4.3
DALZ 1802	7.3	2.7	8.0	7.0	68.3	63.3	68.3	81.7	3.3	3.7	4.7	4.7	4.7	4.3	4.7	4.3
EMPIRE	6.0	2.3	5.3	4.3	75.0	58.3	38.3	65.0	5.3	4.7	5.7	4.0	2.7	4.0	4.0	4.3
FZ 1368	6.7	3.7	6.3	5.0	66.7	66.7	68.3	66.7	4.0	4.7	4.7	4.3	4.3	4.3	3.7	4.3
FZ 1440	6.0	3.7	7.7	5.0	76.7	53.3	58.3	73.3	4.0	4.7	5.7	4.3	4.0	3.7	3.7	4.3
DALZ 1614	6.0	3.0	7.3	5.3	78.3	33.3	41.7	60.0	5.0	5.7	5.3	3.3	2.7	4.0	3.3	4.2
FZ 1367	6.0	2.7	8.0	7.0	71.7	53.3	66.7	73.3	3.3	5.0	5.0	4.3	4.0	4.0	4.0	4.2
15-TZ-11715	6.0	1.7	7.3	6.0	80.0	43.3	31.7	55.0	4.7	5.3	5.7	3.7	2.7	3.3	3.7	4.1
DALZ 1409	6.3	1.7	6.7	5.7	58.3	53.3	66.7	75.0	3.7	5.0	4.7	4.0	3.7	4.0	4.0	4.1
FZ 1727	6.0	3.0	7.3	4.7	81.7	43.3	53.3	75.0	4.0	5.3	5.3	3.3	3.3	4.0	3.7	4.1
DALZ 1603	6.3	2.7	5.0	3.7	81.7	55.0	45.0	38.3	5.7	5.3	5.3	4.0	3.0	2.7	2.3	4.0
FAES 1335	6.0	2.3	7.3	6.3	73.3	50.0	58.3	66.7	3.7	5.0	4.7	3.7	3.3	3.7	3.7	4.0
DALZ 1807	7.7	3.0	7.7	4.7	53.3	43.3	56.7	53.3	4.0	4.3	4.0	4.0	4.3	3.3	3.0	3.9
DALZ 1613	5.7	2.7	7.0	5.7	65.0	46.7	48.3	68.3	4.0	4.0	4.0	4.0	3.3	4.0	3.3	3.8
DALZ 1701	7.0	3.3	6.0	4.7	76.7	38.3	38.3	38.3	5.3	4.7	4.7	3.7	2.7	2.7	2.7	3.8
FZ 1723	6.7	2.0	7.0	3.7	70.0	51.7	35.0	45.0	4.7	5.0	4.7	3.3	2.3	2.7	2.7	3.6
DALZ 1707	7.0	2.7	7.3	5.0	63.3	50.0	33.3	46.7	3.0	4.0	4.7	3.7	2.3	3.0	3.0	3.4
FZ 1407	6.7	3.7	5.0	1.0	73.3	53.3	38.3	16.7	4.0	4.7	5.0	3.7	2.7	2.0	1.7	3.4
FZ 1732	5.7	2.0	6.7	1.7	83.3	50.0	30.0	33.3	3.3	5.0	6.0	3.3	2.3	2.3	1.7	3.4
DALZ 1806	8.0	2.3	7.7	4.0	58.3	33.3	45.0	35.0	4.3	4.0	4.0	3.0	3.0	2.3	2.3	3.3
FZ 1721	7.3	3.7	6.7	4.0	46.7	36.7	36.7	56.7	3.3	3.7	4.0	3.0	2.7	3.3	3.0	3.3
16-TZ-13463	6.3	3.0	7.3	3.7	65.0	23.3	23.3	48.3	4.0	4.7	3.7	2.3	2.3	2.7	2.7	3.2
FZ 1327	7.0	3.0	5.3	4.3	50.0	31.7	26.7	33.3	3.3	3.3	4.0	3.3	2.0	2.7	2.7	3.0
MEYER	6.7	2.0	5.7	3.3	63.3	35.0	33.3	35.0	3.0	4.0	4.0	3.0	2.7	2.7	2.0	3.0
FZ 1728	5.0	3.3	5.3	1.7	41.7	11.7	10.0	6.7	1.7	3.0	3.0	2.0	1.3	1.3	1.3	2.0
LSD VALUE	3.3	3.5	1.9	4.5	32.8	40.8	44.3	31.5	3.3	4.0	2.8	2.2	2.5	2.3	2.2	1.5
C.V. (%)	16.5	38.8	15.5	40.6	20.3	36.8	41.0	30.6	30.8	25.8	22.0	26.0	34.5	32.0	32.3	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 8. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS GROWN FOR LARCH PATCH DISEASE AT JAY, FL 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	COLOR SEPTEMBER	SEEDHEAD	LARGE PATCH OCTOBER	NOVEMBER	QUALITY RATINGS MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DALZ 1601	6.7	5.7	1.0	6.7	2.0	1.0	1.7	6.0	6.7	7.3	8.7	9.0	8.0	7.0	6.3	7.4
DALZ 1802	8.0	5.0	6.3	5.7	1.0	1.0	2.7	5.3	6.7	7.7	8.7	8.7	7.7	7.0	6.0	7.2
15-TZ-11715	8.7	5.3	7.0	5.7	2.7	2.7	3.3	6.0	6.7	7.7	8.7	8.3	7.3	6.3	5.7	7.1
DALZ 1603	7.0	5.3	1.3	6.7	1.3	1.7	2.7	5.3	6.3	7.3	8.7	8.7	6.7	6.7	6.3	7.0
DALZ 1714	6.0	6.0	4.3	7.0	1.0	1.0	2.3	6.0	6.3	7.3	7.7	8.3	7.0	7.0	6.7	7.0
FAES 1319	7.7	6.0	3.3	6.3	1.0	1.7	2.0	5.7	6.7	7.3	8.3	8.3	6.7	7.0	5.7	7.0
FZ 1410	7.3	4.7	1.3	5.7	2.0	1.0	1.7	5.3	6.3	6.7	8.3	8.7	8.0	7.0	6.0	7.0
FZ 1422	7.0	5.3	4.3	6.0	1.0	1.0	1.7	4.3	6.3	7.3	8.0	8.0	8.3	7.7	6.0	7.0
FZ 1732	8.0	5.0	6.3	6.7	1.7	1.7	4.0	4.7	6.3	7.7	8.7	8.3	7.3	6.7	6.0	7.0
DALZ 1311	6.7	5.0	1.3	6.0	1.7	1.0	3.7	5.0	6.0	7.3	8.0	8.7	7.3	7.0	6.0	6.9
EMPIRE	7.0	5.0	1.0	5.7	2.0	1.7	3.0	5.3	6.3	7.0	8.3	8.3	7.3	6.7	5.7	6.9
16-TZ-12783	8.0	5.7	5.0	5.3	1.3	1.7	3.7	5.3	6.7	7.0	7.7	8.0	7.3	7.0	5.7	6.8
FZ 1368	6.7	6.0	7.3	6.7	1.0	1.0	2.3	6.0	6.7	7.0	7.0	7.0	7.0	7.3	6.0	6.8
DALZ 1713	6.0	4.7	5.3	6.0	2.7	1.7	4.0	5.0	6.0	7.0	7.7	7.3	7.3	7.3	5.7	6.7
FZ 1407	7.3	5.3	1.3	5.3	2.3	1.0	3.3	5.0	6.0	6.7	7.7	8.3	7.0	7.0	5.7	6.7
FZ 1722	8.3	5.7	6.0	6.0	1.7	1.0	1.7	5.3	6.7	7.0	8.3	7.7	6.3	6.3	6.0	6.7
FZ 1727	8.3	4.3	7.0	6.0	1.0	2.0	6.7	4.3	5.0	6.3	7.7	8.7	8.7	7.7	5.0	6.7
EMERALD	6.3	5.3	7.0	5.0	1.0	1.0	2.3	5.3	6.7	7.7	7.3	7.0	6.7	6.7	5.3	6.6
DALZ 1408	7.0	5.0	8.0	5.3	1.7	2.0	4.7	5.0	5.7	6.7	7.0	7.3	7.7	7.0	5.3	6.5
DALZ 1409	7.7	5.7	8.0	6.7	1.0	1.0	2.3	6.0	6.0	6.7	7.0	7.3	6.3	6.0	6.3	6.5
DALZ 1707	6.3	5.3	3.7	6.0	1.0	2.0	4.0	4.7	6.0	6.7	7.3	8.0	7.0	6.3	5.7	6.5
FAES 1335	7.0	5.3	5.7	6.0	1.0	2.3	3.3	4.3	5.7	7.0	8.3	8.0	7.0	5.7	6.3	6.5
FZ 1723	7.0	6.0	7.3	4.7	1.3	3.0	5.0	5.3	6.3	7.0	8.3	8.0	7.0	5.7	4.3	6.5
ZEON	6.0	4.7	7.3	5.3	1.0	1.0	3.7	5.0	6.3	7.7	7.3	8.0	6.7	6.0	5.3	6.5
UGA GZ 17-4	7.0	5.3	8.0	6.7	1.0	1.7	2.3	6.0	6.3	6.0	7.0	7.3	6.3	6.0	6.3	6.4
DALZ 1613	6.0	4.7	6.3	5.7	1.0	2.7	3.7	4.3	5.3	7.0	7.7	8.3	6.3	5.7	5.3	6.3
DALZ 1614	6.3	6.0	6.3	6.3	2.0	1.7	3.7	5.3	6.0	6.3	6.7	6.7	7.0	6.7	5.7	6.3
DALZ 1701	8.0	5.7	2.3	5.7	1.3	3.7	6.0	4.3	6.0	7.0	8.7	9.0	6.7	4.7	4.3	6.3
16-TZ-13463	7.3	5.3	9.0	5.7	1.0	1.0	1.7	5.7	5.7	6.3	6.7	7.3	6.3	6.0	5.7	6.2
FZ 1440	7.7	5.3	7.3	5.3	1.7	4.3	4.7	4.3	5.3	6.3	7.0	7.3	7.3	6.7	5.0	6.2
FZ 1367	8.0	4.3	7.0	4.7	1.7	1.7	4.3	4.3	5.3	6.3	6.3	7.7	7.7	6.7	4.7	6.1
DALZ 1806	7.3	5.0	8.0	5.7	1.0	3.7	6.0	5.0	5.7	6.7	7.3	6.7	5.7	5.7	5.0	6.0
DALZ 1808	6.0	6.0	2.3	4.3	1.3	6.0	6.7	5.3	6.0	6.7	8.0	8.0	5.7	4.7	4.0	6.0
FZ 1436	7.0	4.7	6.7	4.7	2.3	3.3	5.3	4.3	5.0	6.7	7.0	7.0	7.0	6.3	4.7	6.0
FZ 1327	7.3	5.3	1.7	6.3	3.3	4.3	5.3	4.3	4.7	6.3	7.7	8.0	5.0	4.3	4.7	5.6
FZ 1721	6.0	4.0	7.7	4.3	1.0	3.0	6.0	4.0	4.3	6.0	6.7	6.7	7.0	5.7	4.7	5.6
DALZ 1807	8.0	5.0	9.0	5.3	1.0	2.0	3.7	4.7	5.3	6.3	6.7	6.3	5.0	4.3	5.0	5.5
FZ 1728	7.0	3.0	7.7	4.7	1.7	4.7	6.7	3.3	4.0	5.0	6.0	6.3	5.3	3.7	4.0	4.7
MEYER	7.3	5.7	3.7	6.0	1.0	7.0	8.3	3.7	4.3	5.7	6.7	6.0	4.0	3.0	3.3	4.6
LSD VALUE	1.2	0.9	1.1	1.3	1.0	1.8	2.0	0.8	0.9	0.9	0.9	1.0	1.2	1.0	0.9	0.5
C.V. (%)	9.7	10.7	14.4	12.7	38.2	49.4	32.2	10.5	9.2	8.0	7.7	7.9	11.1	10.6	10.5	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 9. GENETIC COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	AL1	CA3	FL1	KS1	NC1	OK1	TN1	MEAN
16-TZ-12783	6.7	7.7	7.7	7.3	7.7	8.0	7.7	7.5
FZ 1727	6.7	7.0	7.0	7.3	8.0	8.0	8.3	7.5
DALZ 1701	7.0	8.3	8.0	6.3	7.0	8.0	7.0	7.4
FZ 1327	6.0	8.0	7.0	6.7	7.7	8.0	8.3	7.4
DALZ 1806	6.7	8.7	7.3	6.3	7.3	8.3	7.0	7.4
FAES 1319	6.7	8.0	7.3	6.3	7.7	8.0	7.7	7.4
MEYER	7.3	9.0	7.3	6.7	7.7	6.0	7.7	7.4
DALZ 1802	6.0	7.3	7.0	6.3	7.0	9.0	8.3	7.3
15-TZ-11715	6.7	6.7	8.0	6.3	7.3	7.0	8.3	7.2
FZ 1368	6.3	7.0	8.0	6.0	6.7	8.0	8.3	7.2
16-TZ-13463	6.7	7.3	7.3	5.7	7.7	7.0	8.7	7.2
FZ 1722	6.7	7.3	7.0	6.3	7.0	8.0	8.0	7.2
FZ 1367	6.0	7.3	8.0	6.3	7.0	8.0	7.0	7.1
FZ 1440	6.3	6.3	7.7	6.3	7.0	8.0	7.7	7.0
ZEON	7.7	5.0	7.7	6.0	7.3	7.0	8.3	7.0
FZ 1732	6.7	6.3	7.3	6.0	7.3	7.7	7.3	7.0
UGA GZ 17-4	6.7	7.0	7.3	6.3	6.7	8.0	6.7	7.0
DALZ 1603	6.3	6.7	7.7	5.7	7.3	6.0	8.7	6.9
FAES 1335	6.7	7.0	7.7	5.7	6.7	6.0	8.7	6.9
DALZ 1613	6.0	6.7	7.0	5.3	7.0	8.0	8.0	6.9
DALZ 1707	6.3	6.7	6.3	5.3	7.0	8.0	8.0	6.8
DALZ 1807	5.7	7.3	6.7	6.3	6.7	8.0	7.0	6.8
FZ 1410	6.3	7.3	7.0	5.3	7.3	6.0	8.3	6.8
FZ 1422	6.3	7.0	6.3	5.7	7.3	7.0	8.0	6.8
DALZ 1408	6.0	6.7	8.0	6.0	7.0	8.0	5.7	6.8
DALZ 1601	6.0	6.3	7.3	5.3	7.0	7.0	8.3	6.8
EMPIRE	6.3	6.3	7.0	5.0	7.3	7.0	8.3	6.8
FZ 1436	6.0	6.0	7.3	5.7	7.0	7.0	8.3	6.8
DALZ 1713	6.7	7.3	7.0	5.3	7.0	7.0	7.0	6.8
DALZ 1311	6.0	6.0	6.7	5.7	7.3	7.0	8.3	6.7
DALZ 1409	5.7	5.7	7.3	6.3	6.7	7.0	8.3	6.7
DALZ 1614	6.0	7.0	7.0	5.0	7.3	7.0	7.7	6.7
FZ 1728	5.7	6.3	6.3	6.0	7.0	8.0	7.7	6.7
DALZ 1808	7.0	7.0	7.7	5.0	6.7	5.0	8.3	6.7
FZ 1407	5.7	7.0	7.0	5.3	7.3	7.0	7.3	6.7
FZ 1721	5.3	7.0	6.3	6.3	7.0	8.0	6.7	6.7
EMERALD	7.3	6.3	7.3	5.7	7.0	5.0	7.3	6.6
FZ 1723	5.3	6.7	7.0	6.0	6.0	7.0	8.0	6.6
DALZ 1714	6.0	7.0	6.7	6.0	6.3	6.0	7.7	6.5
LSD VALUE	1.2	1.2	0.8	1.3	0.7	0.2	1.8	0.4
C.V. (%)	12.1	10.9	7.2	13.3	6.2	1.8	14.0	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 10. SPRING GREENUP RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	AL1	CA3	FL1	KS1	NC1	OK1	TN1	MEAN
DALZ 1808	6.3	6.7	6.3	6.3	2.7	4.3	8.0	5.8
FAES 1319	5.3	6.7	6.0	6.7	1.7	4.0	8.7	5.6
DALZ 1601	5.0	6.0	5.0	6.7	2.3	3.0	8.3	5.2
DALZ 1707	5.3	6.0	3.3	6.7	3.0	2.7	8.3	5.0
FZ 1410	4.3	5.3	4.7	6.3	2.0	3.3	8.7	5.0
DALZ 1311	4.3	5.3	4.7	6.0	2.7	3.0	8.0	4.9
DALZ 1701	5.0	5.3	5.7	6.3	1.3	3.0	7.3	4.9
FZ 1327	4.7	5.7	4.7	6.7	1.3	3.0	7.7	4.8
EMERALD	3.7	4.7	5.7	5.7	2.0	3.7	8.0	4.8
DALZ 1603	3.3	5.0	5.0	6.0	2.3	3.0	8.3	4.7
FZ 1407	4.3	5.0	5.3	4.7	2.3	3.0	8.3	4.7
FZ 1723	4.7	5.3	6.3	3.7	1.0	3.3	8.7	4.7
ZEON	2.3	6.0	4.7	6.7	1.7	2.7	8.3	4.6
DALZ 1807	4.0	5.0	4.3	1.0	4.7	4.5	8.3	4.5
DALZ 1614	6.3	5.7	4.7	3.0	1.0	2.0	8.3	4.4
FZ 1422	5.3	3.0	5.7	5.3	2.0	2.3	7.3	4.4
15-TZ-11715	3.0	5.0	6.0	4.0	1.7	3.0	8.0	4.4
16-TZ-13463	4.7	5.3	3.7	3.3	3.0	3.0	7.7	4.4
DALZ 1714	6.0	4.3	4.3	1.3	3.0	3.3	8.3	4.4
16-TZ-12783	6.0	3.7	5.3	3.0	1.7	3.3	7.0	4.3
EMPIRE	5.3	4.3	4.3	5.3	2.0	3.0	5.3	4.2
FZ 1436	7.7	4.0	4.7	1.7	1.7	1.7	8.0	4.2
FAES 1335	5.0	4.7	4.7	3.0	1.0	2.3	8.7	4.2
MEYER	1.7	2.7	3.3	7.3	3.3	3.0	7.7	4.1
FZ 1368	3.7	4.0	6.3	1.0	2.0	3.7	8.0	4.1
UGA GZ 17-4	5.3	4.7	6.0	1.7	1.7	2.3	6.7	4.0
DALZ 1613	5.3	5.0	5.3	2.3	1.0	1.3	8.0	4.0
FZ 1732	4.0	4.7	5.3	2.7	1.0	2.0	8.0	4.0
DALZ 1806	4.3	3.7	3.7	2.0	1.0	4.7	8.3	4.0
DALZ 1409	5.3	4.0	5.0	1.3	1.3	2.0	8.0	3.9
FZ 1722	4.7	4.0	5.7	2.3	1.3	2.0	7.0	3.9
FZ 1440	5.3	3.7	4.3	2.0	1.3	1.7	8.3	3.8
DALZ 1802	6.3	4.3	4.0	1.0	1.0	2.5	7.3	3.8
FZ 1727	5.3	3.0	4.0	2.3	1.0	2.0	8.7	3.8
DALZ 1713	5.3	3.0	3.0	2.0	1.7	3.3	6.7	3.6
FZ 1367	4.3	3.7	5.3	1.7	1.0	1.3	7.7	3.6
FZ 1721	4.3	3.3	3.3	2.3	1.0	1.3	7.0	3.2
DALZ 1408	3.3	4.0	4.0	2.0	1.3	1.7	6.0	3.2
FZ 1728	4.3	2.3	2.3	2.0	1.0	2.0	7.7	3.1
LSD VALUE	0.9	1.4	1.5	1.2	1.1	1.1	2.1	0.5
C.V. (%)	12.3	19.1	19.2	19.8	38.5	23.7	16.5	19.7

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 11. LEAF TEXTURE RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	AL1	CA3	KS1	NC1	OK1	TN1	MEAN
DALZ 1807	8.3	8.3	7.0	9.0	9.0	7.0	8.1
DALZ 1409	7.7	8.0	8.0	8.0	7.0	8.3	7.8
DALZ 1806	7.3	7.7	8.0	8.7	7.0	8.3	7.8
FZ 1367	7.3	7.3	7.3	8.0	7.0	9.0	7.7
FZ 1728	7.3	7.7	8.0	8.0	6.0	9.0	7.7
DALZ 1802	9.0	8.3	5.0	9.0	7.0	7.3	7.6
DALZ 1408	7.3	7.0	7.7	8.0	7.0	8.3	7.6
FZ 1440	8.0	7.3	7.3	7.7	7.0	8.0	7.6
FZ 1436	8.3	7.0	7.3	8.0	6.0	8.3	7.5
FZ 1368	8.3	7.0	7.0	8.0	6.0	8.7	7.5
FZ 1723	6.0	7.0	8.0	8.0	8.0	8.0	7.5
FZ 1721	8.3	7.3	6.0	8.0	7.0	7.7	7.4
ZEON	7.7	7.0	6.7	8.0	6.0	8.3	7.3
FZ 1727	7.3	6.7	7.3	8.0	6.0	8.0	7.2
FZ 1722	7.0	7.0	6.7	8.0	6.0	8.3	7.2
EMERALD	7.0	7.0	7.3	7.7	6.0	7.7	7.1
15-TZ-11715	5.7	6.3	7.0	8.0	6.0	8.3	6.9
DALZ 1614	6.3	6.0	6.7	7.7	6.0	8.7	6.9
UGA GZ 17-4	2.0	7.3	7.7	8.3	7.0	8.3	6.8
DALZ 1613	5.7	6.0	7.0	7.7	6.0	8.0	6.7
16-TZ-13463	5.7	6.0	6.7	7.7	6.7	7.3	6.7
FZ 1732	5.3	6.0	7.3	8.0	6.0	7.3	6.7
DALZ 1707	5.3	5.3	6.7	7.7	6.0	8.3	6.6
FAES 1335	4.7	6.0	5.7	8.0	6.0	8.7	6.5
FZ 1422	4.7	5.7	6.3	7.3	6.0	8.7	6.4
16-TZ-12783	4.3	5.0	5.7	7.0	6.3	8.7	6.2
DALZ 1713	4.3	6.0	5.7	7.0	6.0	7.7	6.1
DALZ 1808	5.0	5.0	5.7	7.0	5.0	8.3	6.0
MEYER	5.0	5.0	5.3	7.0	5.0	8.0	5.9
FAES 1319	3.3	5.0	5.0	7.0	6.0	8.3	5.8
DALZ 1714	3.0	5.7	5.7	7.0	5.0	7.3	5.6
DALZ 1701	3.0	5.0	5.0	7.3	5.0	7.7	5.5
EMPIRE	8.3	3.7	3.3	6.3	3.0	7.7	5.4
FZ 1327	1.7	3.3	3.3	6.3	5.0	8.3	4.7
FZ 1407	1.3	3.3	3.3	6.3	5.0	8.3	4.6
DALZ 1601	2.3	4.0	3.0	6.3	5.0	6.7	4.6
FZ 1410	1.3	3.3	3.7	6.0	5.0	7.7	4.5
DALZ 1603	1.3	4.0	3.3	6.3	4.0	7.3	4.4
DALZ 1311	1.7	3.3	2.3	6.0	4.0	7.7	4.2
LSD VALUE	0.9	0.6	1.3	0.6	0.2	1.2	0.4
C.V. (%)	10.0	6.5	12.2	5.2	2.2	9.2	8.2

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

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

TABLE 12. SPRING DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	TN1
16-TZ-12783	6.3
FZ 1422	6.3
MEYER	6.3
DALZ 1714	5.7
FZ 1440	5.7
DALZ 1701	5.3
FZ 1327	5.3
FZ 1721	5.3
DALZ 1613	5.0
DALZ 1707	5.0
DALZ 1802	5.0
DALZ 1806	5.0
FZ 1722	5.0
15-TZ-11715	4.7
DALZ 1409	4.7
DALZ 1601	4.7
FAES 1335	4.7
FZ 1368	4.7
FZ 1728	4.7
DALZ 1603	4.3
DALZ 1807	4.3
FZ 1407	4.3
FZ 1723	4.3
FZ 1732	4.3
UGA GZ 17-4	4.3
DALZ 1808	4.0
16-TZ-13463	3.7
DALZ 1408	3.7
DALZ 1713	3.7
EMPIRE	3.7
FZ 1367	3.7
FZ 1727	3.7
EMERALD	3.3
FZ 1410	3.3
DALZ 1614	3.0
FAES 1319	3.0
DALZ 1311	2.7
FZ 1436	2.7
ZEON	2.3
LSD VALUE	2.1
C.V. (%)	29.6

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. SUMMER DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	NC1	TN1	MEAN
FZ 1422	7.7	6.3	7.0
EMERALD	7.0	6.7	6.8
DALZ 1807	7.3	6.3	6.8
ZEON	7.0	6.3	6.7
DALZ 1408	6.7	6.3	6.5
DALZ 1603	7.0	6.0	6.5
FZ 1722	7.7	5.3	6.5
DALZ 1707	7.0	5.7	6.3
FAES 1319	6.7	6.0	6.3
FAES 1335	6.0	6.7	6.3
FZ 1440	7.0	5.7	6.3
DALZ 1601	7.3	5.3	6.3
FZ 1367	7.3	5.3	6.3
FZ 1410	6.7	5.7	6.2
FZ 1723	6.7	5.7	6.2
DALZ 1311	7.0	5.3	6.2
DALZ 1409	7.3	5.0	6.2
DALZ 1614	7.0	5.3	6.2
DALZ 1714	7.0	5.3	6.2
FZ 1327	7.0	5.3	6.2
FZ 1368	7.0	5.3	6.2
FZ 1407	7.3	5.0	6.2
FZ 1436	7.3	5.0	6.2
DALZ 1806	6.7	5.3	6.0
FZ 1727	6.3	5.7	6.0
FZ 1728	6.0	6.0	6.0
FZ 1732	7.0	5.0	6.0
15-TZ-11715	6.7	5.0	5.8
DALZ 1613	6.0	5.7	5.8
DALZ 1802	7.3	4.3	5.8
DALZ 1808	6.0	5.3	5.7
16-TZ-12783	6.7	4.0	5.3
DALZ 1701	7.0	3.7	5.3
16-TZ-13463	6.0	4.0	5.0
DALZ 1713	6.3	3.7	5.0
MEYER	4.7	5.0	4.8
EMPIRE	7.0	2.7	4.8
UGA GZ 17-4	7.0	2.0	4.5
FZ 1721	4.0	4.7	4.3
LSD VALUE	1.0	2.8	1.5
C.V. (%)	9.6	33.6	22.1

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. FALL DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	TN1
DALZ 1603	6.0
EMERALD	6.0
FZ 1410	6.0
FAES 1335	5.7
FZ 1728	5.7
DALZ 1807	5.3
FZ 1422	5.3
MEYER	5.3
DALZ 1409	5.0
DALZ 1614	5.0
FAES 1319	5.0
FZ 1440	5.0
FZ 1723	5.0
ZEON	5.0
16-TZ-13463	4.7
DALZ 1408	4.7
DALZ 1601	4.7
FZ 1327	4.7
DALZ 1707	4.3
DALZ 1713	4.3
DALZ 1613	4.0
DALZ 1714	4.0
DALZ 1806	4.0
DALZ 1808	4.0
FZ 1407	4.0
FZ 1722	4.0
FZ 1727	4.0
FZ 1732	4.0
15-TZ-11715	3.7
FZ 1368	3.7
FZ 1436	3.7
DALZ 1701	3.3
FZ 1367	3.3
FZ 1721	3.3
UGA GZ 17-4	3.3
16-TZ-12783	3.0
DALZ 1311	3.0
DALZ 1802	2.7
EMPIRE	2.7
LSD VALUE	2.9
C.V. (%)	41.7

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 15. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IN1	TN1	MEAN
MEYER	99.0	81.0	90.0
FZ 1422	65.0	81.7	73.3
DALZ 1603	65.0	79.0	72.0
DALZ 1707	71.7	70.0	70.8
DALZ 1701	56.7	81.7	69.2
DALZ 1808	56.7	76.7	66.7
DALZ 1601	58.3	58.0	58.2
FZ 1407	53.3	62.0	57.7
FZ 1327	35.0	72.7	53.8
FZ 1410	48.3	59.3	53.8
FZ 1440	18.3	88.0	53.2
15-TZ-11715	16.7	74.3	45.5
16-TZ-12783	3.0	86.3	44.7
FAES 1335	6.7	80.0	43.3
DALZ 1713	26.7	57.0	41.8
DALZ 1802	0.0	83.3	41.7
DALZ 1807	0.0	83.0	41.5
DALZ 1714	0.0	82.7	41.3
EMERALD	33.3	49.0	41.2
DALZ 1613	4.0	77.7	40.8
ZEON	51.7	30.0	40.8
FZ 1368	0.0	79.0	39.5
EMPIRE	36.7	41.3	39.0
16-TZ-13463	20.0	57.0	38.5
FZ 1722	3.0	71.3	37.2
DALZ 1806	0.7	69.3	35.0
FZ 1723	11.7	58.3	35.0
FZ 1721	0.0	67.0	33.5
DALZ 1409	0.0	65.0	32.5
FAES 1319	35.0	29.3	32.2
UGA GZ 17-4	0.0	62.7	31.3
DALZ 1311	46.7	15.3	31.0
FZ 1732	6.7	55.3	31.0
FZ 1728	1.3	56.7	29.0
DALZ 1614	8.3	45.7	27.0
FZ 1367	0.0	52.0	26.0
FZ 1436	0.0	52.0	26.0
FZ 1727	6.7	39.7	23.2
DALZ 1408	0.0	38.3	19.2
LSD VALUE	19.3	39.4	21.9
C.V. (%)	49.6	38.7	44.1

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 16. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	TN1
DALZ 1601	97.3
FAES 1335	95.7
FZ 1723	95.0
DALZ 1707	94.3
FAES 1319	94.3
EMERALD	94.0
FZ 1727	93.7
DALZ 1603	93.3
DALZ 1807	93.3
FZ 1436	93.3
ZEON	93.3
FZ 1440	92.7
DALZ 1311	92.3
FZ 1368	92.3
DALZ 1614	92.0
DALZ 1714	91.7
DALZ 1806	91.7
FZ 1410	91.0
DALZ 1409	90.3
FZ 1422	90.3
15-TZ-11715	90.0
DALZ 1613	90.0
FZ 1407	89.3
FZ 1728	89.3
DALZ 1802	89.0
DALZ 1808	88.3
FZ 1327	88.3
16-TZ-13463	87.7
FZ 1367	87.7
FZ 1722	87.3
FZ 1732	86.3
16-TZ-12783	85.7
DALZ 1701	84.7
EMPIRE	84.0
MEYER	82.7
UGA GZ 17-4	82.7
DALZ 1408	77.7
DALZ 1713	76.3
FZ 1721	75.0
LSD VALUE	15.3
C.V. (%)	10.7

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 17. PERCENT LIVING GROUND COVER (FALL) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	TN1
DALZ 1601	83.7
FZ 1723	83.7
DALZ 1807	83.3
FAES 1319	83.0
FZ 1410	83.0
FZ 1727	83.0
EMERALD	82.7
DALZ 1409	82.3
DALZ 1311	82.0
FZ 1440	82.0
16-TZ-13463	81.7
DALZ 1701	81.7
FAES 1335	81.0
FZ 1407	80.7
DALZ 1614	80.3
EMPIRE	80.3
ZEON	80.3
DALZ 1707	80.0
FZ 1327	80.0
FZ 1722	80.0
DALZ 1613	79.7
DALZ 1714	79.7
FZ 1367	79.0
DALZ 1808	78.7
FZ 1732	78.7
FZ 1368	78.3
FZ 1728	78.3
UGA GZ 17-4	77.3
DALZ 1408	77.0
DALZ 1806	77.0
DALZ 1713	76.7
FZ 1436	76.7
DALZ 1603	76.0
FZ 1422	74.7
16-TZ-12783	73.3
DALZ 1802	73.0
15-TZ-11715	72.7
MEYER	72.7
FZ 1721	68.7
LSD VALUE	11.0
C.V. (%)	8.7

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 18. WINTER COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	FL1
DALZ 1409	5.7
DALZ 1613	5.7
FZ 1732	5.7
UGA GZ 17-4	5.7
DALZ 1408	5.3
FZ 1367	5.3
FZ 1368	5.3
FZ 1436	5.3
FZ 1723	5.3
DALZ 1714	5.0
FAES 1335	5.0
FZ 1440	5.0
FZ 1722	5.0
16-TZ-12783	4.7
16-TZ-13463	4.7
DALZ 1614	4.7
DALZ 1701	4.7
FAES 1319	4.7
FZ 1727	4.7
15-TZ-11715	4.3
DALZ 1713	4.3
DALZ 1802	4.3
DALZ 1808	4.0
DALZ 1311	3.7
DALZ 1707	3.7
EMPIRE	3.7
FZ 1327	3.7
FZ 1407	3.7
FZ 1422	3.7
ZEON	3.7
DALZ 1601	3.3
DALZ 1603	3.3
DALZ 1806	3.3
DALZ 1807	3.3
EMERALD	3.3
FZ 1410	3.3
FZ 1728	3.0
FZ 1721	2.7
MEYER	2.3
LSD VALUE	1.2
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 19. PERCENT WINTER KILL RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/

NAME	KS1
FZ 1367	95.0
UGA GZ 17-4	94.7
DALZ 1408	93.3
FZ 1436	93.3
FZ 1440	93.3
FZ 1728	93.3
FZ 1368	92.7
DALZ 1409	90.0
DALZ 1713	90.0
DALZ 1714	90.0
DALZ 1806	88.3
DALZ 1613	83.3
DALZ 1802	83.3
FAES 1335	83.3
16-TZ-12783	81.7
DALZ 1807	80.0
FZ 1727	80.0
FZ 1732	80.0
16-TZ-13463	76.7
FZ 1721	75.0
FZ 1722	75.0
DALZ 1614	70.0
15-TZ-11715	51.7
FZ 1723	50.0
EMERALD	33.3
FZ 1422	26.7
FZ 1407	25.0
ZEON	15.0
EMPIRE	10.0
FZ 1327	10.0
DALZ 1701	8.3
FAES 1319	8.3
DALZ 1311	6.7
MEYER	6.7
DALZ 1601	0.0
DALZ 1603	0.0
DALZ 1707	0.0
DALZ 1808	0.0
FZ 1410	0.0
LSD VALUE	18.9
C.V. (%)	21.5

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 20. DOLLAR SPOT RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	NC1
FZ 1407	8.0
DALZ 1311	7.7
FZ 1727	7.7
15-TZ-11715	7.3
DALZ 1601	7.3
DALZ 1603	7.3
DALZ 1701	7.3
EMPIRE	7.3
FZ 1327	7.3
FZ 1410	7.3
FZ 1422	7.3
FZ 1732	7.3
16-TZ-13463	7.0
DALZ 1613	7.0
DALZ 1713	7.0
FAES 1319	7.0
FAES 1335	7.0
FZ 1722	7.0
FZ 1367	6.7
FZ 1436	6.7
FZ 1440	6.7
FZ 1728	6.7
FZ 1368	6.3
FZ 1721	6.3
FZ 1723	6.3
DALZ 1408	6.0
DALZ 1707	6.0
16-TZ-12783	5.7
DALZ 1807	5.7
EMERALD	5.7
ZEON	5.7
DALZ 1806	5.3
DALZ 1808	5.3
DALZ 1614	5.0
DALZ 1714	5.0
MEYER	5.0
DALZ 1409	4.0
UGA GZ 17-4	4.0
DALZ 1802	3.7
LSD VALUE	1.3
C.V. (%)	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 21. FALL COLOR (SEPTEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	AL1	TN1	MEAN
DALZ 1802	9.0	5.7	7.3
16-TZ-13463	8.3	5.7	7.0
DALZ 1409	8.7	5.3	7.0
DALZ 1806	8.3	5.3	6.8
FZ 1436	8.0	5.7	6.8
15-TZ-11715	7.7	5.7	6.7
DALZ 1807	7.7	5.7	6.7
DALZ 1701	7.3	5.7	6.5
DALZ 1714	7.7	5.3	6.5
EMPIRE	7.3	5.7	6.5
FZ 1368	7.3	5.7	6.5
FZ 1422	7.0	5.7	6.3
FZ 1728	7.3	5.3	6.3
EMERALD	7.0	5.3	6.2
FZ 1732	6.3	6.0	6.2
ZEON	7.3	5.0	6.2
16-TZ-12783	6.0	6.0	6.0
DALZ 1707	6.0	6.0	6.0
DALZ 1713	6.0	5.7	5.8
FZ 1367	6.0	5.7	5.8
FZ 1727	6.3	5.3	5.8
FZ 1407	5.3	6.0	5.7
FZ 1722	5.3	6.0	5.7
MEYER	6.0	5.3	5.7
DALZ 1408	5.7	5.3	5.5
FAES 1319	5.7	5.3	5.5
FZ 1327	5.3	5.7	5.5
FZ 1440	5.3	5.7	5.5
DALZ 1311	5.0	5.7	5.3
DALZ 1614	5.0	5.7	5.3
FAES 1335	5.3	5.3	5.3
DALZ 1613	4.7	5.7	5.2
FZ 1410	4.7	5.7	5.2
UGA GZ 17-4	4.7	5.7	5.2
DALZ 1601	4.7	5.3	5.0
DALZ 1603	4.7	5.3	5.0
DALZ 1808	4.3	5.7	5.0
FZ 1721	3.7	5.7	4.7
FZ 1723	3.7	5.0	4.3
LSD VALUE	0.8	0.9	0.6
C.V. (%)	8.3	9.8	9.0

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 22. FALL COLOR (OCTOBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	IN1	KS1	TN1	MEAN
DALZ 1802	.	.	5.7	5.7
FZ 1368	.	.	5.3	5.3
DALZ 1707	6.3	3.7	5.3	5.1
DALZ 1807	.	.	5.0	5.0
FZ 1327	6.7	3.0	5.3	5.0
UGA GZ 17-4	7.0	2.3	5.7	5.0
DALZ 1701	6.0	3.3	5.3	4.9
DALZ 1806	7.0	2.3	5.3	4.9
15-TZ-11715	6.3	2.7	5.3	4.8
DALZ 1613	6.3	2.7	5.3	4.8
DALZ 1808	5.3	4.3	4.7	4.8
FZ 1723	6.3	3.0	5.0	4.8
DALZ 1311	6.0	2.7	5.3	4.7
EMERALD	5.7	3.0	5.3	4.7
FAES 1319	6.0	3.0	5.0	4.7
FZ 1410	6.3	2.3	5.3	4.7
FZ 1732	6.7	2.3	5.0	4.7
FZ 1367	6.5	1.7	5.7	4.6
DALZ 1601	5.7	3.0	5.0	4.6
FZ 1407	6.3	1.7	5.7	4.6
FZ 1422	5.7	3.0	5.0	4.6
FZ 1722	7.0	1.3	5.3	4.6
MEYER	5.0	3.3	5.3	4.6
DALZ 1614	6.3	2.0	5.3	4.6
EMPIRE	6.3	2.0	5.3	4.6
DALZ 1603	5.7	2.7	5.0	4.4
DALZ 1713	6.0	2.0	5.3	4.4
16-TZ-12783	6.0	1.7	5.3	4.3
FAES 1335	6.7	1.3	5.0	4.3
ZEON	6.0	2.3	4.7	4.3
FZ 1440	5.5	2.0	5.0	4.2
16-TZ-13463	5.7	1.7	5.0	4.1
FZ 1727	5.3	1.7	5.3	4.1
DALZ 1714	.	3.0	5.0	4.0
FZ 1728	6.0	1.0	5.0	4.0
FZ 1721	.	2.5	5.3	3.9
DALZ 1409	.	2.7	5.0	3.8
DALZ 1408	.	1.7	5.3	3.5
FZ 1436	.	1.7	5.3	3.5
LSD VALUE	0.9	1.1	0.8	0.6
C.V. (%)	8.4	27.9	9.0	12.3

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

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

TABLE 23. FALL COLOR (NOVEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	CA3	NC1	OK1	TN1	MEAN
DALZ 1802	8.0	7.3	9.0	5.7	7.5
DALZ 1714	6.7	8.3	9.0	5.0	7.3
FZ 1732	7.7	8.3	7.0	5.0	7.0
FZ 1440	7.7	7.7	7.0	5.0	6.8
UGA GZ 17-4	6.7	7.7	7.7	5.3	6.8
DALZ 1408	7.0	7.7	7.0	5.0	6.7
FZ 1367	6.7	7.7	7.0	5.3	6.7
FZ 1722	7.0	7.7	7.0	5.0	6.7
DALZ 1614	6.7	8.0	6.7	5.0	6.6
FZ 1723	6.7	6.7	8.0	5.0	6.6
DALZ 1707	6.0	8.0	7.0	5.3	6.6
DALZ 1409	6.3	6.7	8.0	5.0	6.5
DALZ 1806	7.3	7.0	6.7	5.0	6.5
FAES 1319	6.7	7.0	7.0	5.0	6.4
FZ 1368	6.7	7.7	6.0	5.3	6.4
FZ 1727	5.7	8.0	7.0	5.0	6.4
16-TZ-12783	6.7	7.0	6.7	5.0	6.3
DALZ 1701	5.7	7.7	7.0	5.0	6.3
FAES 1335	7.0	7.3	6.0	5.0	6.3
FZ 1327	5.3	7.7	7.0	5.3	6.3
FZ 1436	6.3	6.7	7.0	5.3	6.3
DALZ 1613	5.7	7.3	7.0	5.0	6.3
DALZ 1713	6.0	7.7	6.3	5.0	6.3
DALZ 1807	7.0	6.3	7.0	4.7	6.3
FZ 1721	5.7	7.0	7.0	5.3	6.3
16-TZ-13463	6.0	7.7	6.0	5.0	6.2
DALZ 1603	5.7	7.0	7.0	5.0	6.2
FZ 1407	6.0	6.7	7.0	5.0	6.2
15-TZ-11715	5.3	7.3	7.0	5.0	6.2
EMPIRE	4.7	7.0	7.0	5.3	6.0
FZ 1410	5.7	6.7	6.7	5.0	6.0
DALZ 1601	5.3	7.0	6.3	5.0	5.9
ZEON	5.3	6.3	7.0	5.0	5.9
FZ 1422	4.3	7.0	7.0	5.0	5.8
DALZ 1311	5.0	6.7	6.3	5.0	5.8
EMERALD	5.0	6.3	7.0	4.7	5.8
FZ 1728	5.7	5.3	6.3	5.0	5.6
DALZ 1808	5.0	5.7	6.0	4.7	5.3
MEYER	3.0	4.0	6.7	5.0	4.7
LSD VALUE	1.2	1.1	0.5	0.5	0.4
C.V. (%)	12.6	9.6	4.3	6.3	8.8

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 24. FALL COLOR (DECEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

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

NAME	CA3	NC1	MEAN
DALZ 1807	5.3	6.0	5.7
DALZ 1802	6.7	4.3	5.5
DALZ 1714	5.0	5.7	5.3
FZ 1732	5.7	4.0	4.8
16-TZ-13463	3.7	5.7	4.7
DALZ 1409	5.7	3.3	4.5
FAES 1335	5.7	3.3	4.5
DALZ 1806	5.0	3.7	4.3
UGA GZ 17-4	4.3	4.3	4.3
FZ 1722	4.7	3.7	4.2
DALZ 1603	3.3	4.7	4.0
FZ 1440	5.0	3.0	4.0
FZ 1723	3.3	4.7	4.0
DALZ 1601	3.3	4.3	3.8
FAES 1319	3.3	4.3	3.8
FZ 1367	5.3	2.3	3.8
15-TZ-11715	3.3	4.0	3.7
DALZ 1707	3.3	4.0	3.7
FZ 1327	2.7	4.7	3.7
DALZ 1408	5.3	1.7	3.5
DALZ 1713	4.7	2.3	3.5
EMERALD	3.0	4.0	3.5
FZ 1368	3.7	3.3	3.5
DALZ 1614	3.7	3.0	3.3
FZ 1410	2.3	4.0	3.2
FZ 1436	4.0	2.3	3.2
DALZ 1311	2.3	3.7	3.0
FZ 1422	1.7	4.3	3.0
FZ 1727	3.7	2.3	3.0
EMPIRE	2.3	3.3	2.8
16-TZ-12783	3.7	2.0	2.8
DALZ 1701	2.0	3.7	2.8
FZ 1407	3.0	2.7	2.8
ZEON	3.0	2.7	2.8
DALZ 1808	2.0	3.3	2.7
FZ 1721	3.0	2.0	2.5
FZ 1728	3.3	1.3	2.3
DALZ 1613	2.7	2.0	2.3
MEYER	1.0	2.0	1.5
LSD VALUE	1.1	1.4	0.9
C.V. (%)	18.9	24.3	21.6

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

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

TABLE 25. SEEDHEAD RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2022 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	CA3	FL1	KS1	OK1	MEAN
DALZ 1613	7.7	7.3	9.0	9.0	8.3
UGA GZ 17-4	9.0	6.0	9.0	9.0	8.3
FZ 1422	8.7	6.0	8.3	9.0	8.0
FZ 1722	8.3	7.3	9.0	7.0	7.9
EMERALD	9.0	5.7	7.3	9.0	7.8
DALZ 1701	8.3	7.0	6.3	9.0	7.7
FZ 1367	7.3	6.7	8.7	8.0	7.7
FZ 1723	9.0	3.7	9.0	9.0	7.7
16-TZ-12783	9.0	3.3	9.0	9.0	7.6
FZ 1440	7.7	4.3	9.0	9.0	7.5
DALZ 1409	8.3	3.7	8.7	9.0	7.4
FZ 1727	7.0	4.3	9.0	9.0	7.3
FAES 1335	9.0	1.7	9.0	9.0	7.2
16-TZ-13463	8.7	2.0	8.7	9.0	7.1
DALZ 1408	8.7	3.7	9.0	7.0	7.1
DALZ 1614	8.0	2.7	8.7	9.0	7.1
DALZ 1714	6.7	5.7	8.7	7.0	7.0
DALZ 1807	9.0	1.3	8.7	9.0	7.0
FZ 1436	7.7	4.3	8.7	7.0	6.9
DALZ 1806	7.7	3.0	8.7	8.0	6.8
ZEON	9.0	1.0	7.7	9.0	6.7
15-TZ-11715	7.3	3.3	8.0	8.0	6.7
DALZ 1713	6.3	7.0	9.0	4.0	6.6
DALZ 1802	7.0	1.0	9.0	9.0	6.5
FZ 1368	8.0	3.0	9.0	6.0	6.5
DALZ 1808	9.0	1.3	6.3	9.0	6.4
DALZ 1311	7.3	6.3	8.3	3.0	6.3
FAES 1319	7.7	5.3	7.3	4.0	6.1
DALZ 1707	8.3	1.3	5.0	9.0	5.9
FZ 1327	4.3	5.7	7.3	5.7	5.8
FZ 1407	5.3	6.7	8.0	3.0	5.8
DALZ 1601	5.7	6.0	7.7	3.0	5.6
DALZ 1603	7.0	4.0	8.0	3.0	5.5
FZ 1728	8.0	2.0	9.0	3.0	5.5
MEYER	5.7	2.0	5.3	9.0	5.5
FZ 1721	2.7	2.7	9.0	7.0	5.3
FZ 1732	3.0	3.0	9.0	6.0	5.3
FZ 1410	6.7	4.0	8.0	2.0	5.2
EMPIRE	5.0	5.0	7.7	2.0	4.9
LSD VALUE	2.0	2.7	1.1	0.8	0.9
C.V. (%)	17.0	41.2	8.3	6.6	17.0

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

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

TABLE 26.

SEEDHEAD RATINGS OF ZOYSIAGRASS CULTIVARS
AT RIVERSIDE, CA 1/
2022 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	SPRING	FALL	MEAN
16-TZ-12783	9.0	9.0	9.0
DALZ 1808	9.0	9.0	9.0
EMERALD	9.0	9.0	9.0
FAES 1335	9.0	9.0	9.0
ZEON	9.0	9.0	9.0
16-TZ-13463	8.7	9.0	8.8
FZ 1723	9.0	8.7	8.8
DALZ 1408	8.7	8.7	8.7
DALZ 1707	8.3	9.0	8.7
DALZ 1701	8.3	8.7	8.5
FZ 1368	8.0	9.0	8.5
DALZ 1614	8.0	8.7	8.3
DALZ 1806	7.7	9.0	8.3
FAES 1319	7.7	9.0	8.3
DALZ 1311	7.3	9.0	8.2
DALZ 1603	7.0	9.0	8.0
DALZ 1613	7.7	8.3	8.0
FZ 1436	7.7	8.3	8.0
FZ 1722	8.3	7.7	8.0
DALZ 1714	6.7	9.0	7.8
DALZ 1807	9.0	6.7	7.8
FZ 1410	6.7	9.0	7.8
FZ 1422	8.7	7.0	7.8
FZ 1440	7.7	7.7	7.7
FZ 1367	7.3	7.7	7.5
DALZ 1601	5.7	9.0	7.3
MEYER	5.7	9.0	7.3
15-TZ-11715	7.3	7.0	7.2
FZ 1407	5.3	9.0	7.2
EMPIRE	5.0	9.0	7.0
FZ 1728	8.0	5.7	6.8
DALZ 1713	6.3	7.0	6.7
FZ 1327	4.3	9.0	6.7
DALZ 1409	8.3	4.7	6.5
UGA GZ 17-4	9.0	3.7	6.3
FZ 1721	2.7	7.7	5.2
FZ 1727	7.0	3.3	5.2
FZ 1732	3.0	7.3	5.2
DALZ 1802	7.0	2.7	4.8
LSD VALUE	2.1	2.3	1.5
C.V. (%)	17.2	17.6	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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR ZOYSIAGRASS CULTIVARS */
2022 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
15-TZ-11715	5.8	11.1
16-TZ-12783	5.5	0.0
16-TZ-13463	5.2	0.0
DALZ 1311	5.9	11.1
DALZ 1408	5.1	22.2
DALZ 1409	5.2	11.1
DALZ 1601	6.1	33.3
DALZ 1603	6.2	44.4
DALZ 1613	5.9	11.1
DALZ 1614	5.6	11.1
DALZ 1701	6.3	44.4
DALZ 1707	6.0	55.6
DALZ 1713	5.1	11.1
DALZ 1714	5.0	22.2
DALZ 1802	4.7	22.2
DALZ 1806	5.0	33.3
DALZ 1807	4.3	0.0
DALZ 1808	6.2	55.6
EMERALD	6.3	66.7
EMPIRE	5.8	22.2
FAES 1319	6.2	55.6
FAES 1335	5.7	44.4
FZ 1327	6.0	22.2
FZ 1367	5.2	11.1
FZ 1368	4.9	11.1
FZ 1407	6.1	33.3
FZ 1410	5.9	33.3
FZ 1422	6.2	44.4
FZ 1436	5.1	22.2
FZ 1440	5.5	22.2
FZ 1721	4.1	0.0
FZ 1722	6.0	44.4
FZ 1723	5.9	22.2
FZ 1727	5.8	11.1
FZ 1728	4.7	0.0
FZ 1732	5.9	22.2
MEYER	5.2	11.1
UGA GZ 17-4	5.0	0.0
ZEON	5.9	33.3
LSD VALUE	0.3	
C.V. (%)	9.6	

*/ 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.