

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

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A Guide to NTEP Turfgrass Ratings

Introduction

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

General Considerations

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

Turfgrass Quality

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

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 2007 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>.

2007 NATIONAL ZOYSIAGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2011

<u>State</u>	<u>Location</u>	<u>Code</u>
California	Riverside	CA3
Florida	Gainesville	FL1
Indiana	West Lafayette	IN1
Kansas	Manhattan	KS1
New Mexico	Las Cruces (Salt Tolerance)	NM1
North Carolina	Raleigh	NC1
Texas	Dallas	TX1

2007 NATIONAL ZOYSIAGRASS TEST

Entries and Sponsors

Entry No.	Name	Type	Sponsor
* 1	Zenith	seeded	Standard entry
* 2	Meyer	vegetative	Standard entry
* 3	Zorro	vegetative	Standard entry
4	DALZ 0501	vegetative	Texas A&M Dallas & Phillip Jennings Turf
5	DALZ 0701	vegetative	Texas A&M Dallas
6	DALZ 0702	vegetative	Texas A&M Dallas
* 7	Shadowturf	vegetative	Ivey Gardens
8	L1F	vegetative	Bladerunner Farms
9	29-2	vegetative	Bladerunner Farms
10	240	vegetative	Bladerunner Farms
11	380-1	vegetative	Bladerunner Farms

* COMMERCIALY AVAILABLE IN THE USA IN 2012.

TABLE A.

2011 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2002 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
CA3	SANDY LOAM	7.1-7.5	0-60	0-150	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
FL1	SAND	6.6-7.0	-	-	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
IN1	SANDY CLAY LOAM	7.1-7.5	61-150	241-375	1.1-2.0	FULL SUN	0.6-1.0	-
KS1	-	-	-	-	-	-	-	-
NC1	SILTY CLAY AND CLAY	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NM1	LOAMY SAND	7.6-8.5	-	-	5.1-6.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
TX1	SILTY CLAY AND CLAY	7.6-8.5	151-270	241-375	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2011

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
CA3				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	X
IN1					X	X	X	X	X				X		X
KS1							X	X	X					X	X
NC1					X	X	X	X	X	X	X		X	X	X
NM1				X	X	X	X	X	X	X	X		X	X	
TX1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2011

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	POA ANNUA	MOLE CRICKET DAMAGE
CA3	X	X	X				X	X			X		X	
FL1	X	X	X					X	X	X	X	X		X
IN1														
KS1										X				
NC1		X						X			X	X		
NM1				X	X	X								
TX1	X	X	X					X			X	X		

TABLE 1. TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
GROWN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 **/
2011 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	IN1	NC1	FL1	CA3	MEAN
* ZORRO	7.7	7.0	8.4	5.7	6.1	7.0
380-1	7.5	6.3	7.4	4.6	4.9	6.1
29-2	7.1	5.7	6.7	3.8	4.1	5.5
* MEYER	7.1	5.4	6.2	3.2	3.5	5.1
DALZ 0702	2.1	4.1	7.4	5.5	6.0	5.0
DALZ 0701	1.4	3.8	7.3	5.5	6.0	4.8
* ZENITH	6.7	5.0	5.9	2.9	3.2	4.8
240	6.3	4.8	5.7	2.8	3.1	4.5
L1F	1.2	3.5	6.9	5.1	5.7	4.5
DALZ 0501	1.2	3.5	6.9	5.0	5.6	4.4
* SHADOWTURF	0.9	3.2	6.6	4.8	5.4	4.2
LSD VALUE	1.1	1.1	1.1	1.1	1.1	1.1
C.V. (%)	14.7	13.8	9.6	14.8	13.5	12.9

TABLE 2. TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
GROWN AT ONE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 **/
2011 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	TX1
DALZ 0701	6.2
DALZ 0702	6.2
L1F	5.9
DALZ 0501	5.8
ZORRO	5.7
SHADOWTURF	5.6
380-1	4.4
29-2	3.6
MEYER	2.9
ZENITH	2.6
240	2.5
LSD VALUE	1.1
C.V. (%)	14.0

* COMMERCIALY AVAILABLE IN THE USA IN 2012.

** ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.OR/AMMI_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 AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
GROWN UNDER SALT STRESS AT LAS CRUCES, NM 1/
2011 DATA

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

NAME	GENETIC COLOR	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS								
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
380-1	6.7	45.0	19.0	5.0	5.0	5.0	5.3	5.3	5.0	4.3	3.3	4.8
DALZ 0501	7.3	90.7	13.0	3.3	4.7	5.0	5.0	5.3	5.0	4.7	3.0	4.5
L1F	8.0	54.3	40.7	4.0	4.0	3.7	4.0	4.3	5.3	4.7	4.0	4.3
DALZ 0701	7.3	70.7	27.3	3.3	4.0	4.0	4.0	4.7	5.0	4.0	3.7	4.1
SHADOWTURF	8.0	61.3	13.3	3.3	3.7	3.7	3.7	4.7	4.7	4.3	2.7	3.8
DALZ 0702	8.0	61.3	58.7	2.7	3.7	3.3	3.7	3.7	4.7	4.0	4.0	3.7
ZORRO	6.3	57.0	38.0	3.0	2.7	3.0	3.0	3.3	4.0	3.7	2.3	3.1
240	6.3	16.7	20.0	2.0	2.0	1.3	2.0	2.7	2.7	2.0	1.7	2.0
29-2	6.0	3.7	8.0	2.3	1.7	2.0	1.3	2.0	2.3	2.0	1.7	1.9
ZENITH	6.0	3.0	1.3	2.3	2.0	2.0	1.7	2.3	2.0	1.7	1.3	1.9
MEYER	5.7	0.7	2.7	2.0	1.7	1.7	1.7	1.7	2.0	2.0	1.7	1.8
LSD VALUE	1.6	62.3	46.6	2.1	1.9	1.8	1.9	2.7	2.7	2.3	1.8	1.7
C.V. (%)	12.1	75.0	97.6	33.8	32.6	32.2	33.9	37.4	35.1	35.5	34.8	29.4

TABLE 4. GENETIC COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	CA3	FL1	IN1	NC1	TX1	MEAN
380-1	6.7	8.0	7.7	8.7	7.7	7.7
29-2	6.3	7.7	7.3	8.3	7.0	7.3
240	7.0	7.0	7.0	8.3	5.7	7.0
MEYER	6.3	7.3	6.7	8.0	6.3	6.9
ZORRO	6.0	7.0	8.0	5.7	7.3	6.8
DALZ 0701	5.7	7.7	7.0	5.7	6.7	6.5
DALZ 0702	5.3	7.7	.	5.7	7.0	6.4
SHADOWTURF	4.7	6.7	.	7.3	6.7	6.3
ZENITH	6.0	6.7	6.7	7.0	5.0	6.3
L1F	5.0	6.3	.	7.0	6.7	6.3
DALZ 0501	5.0	6.7	.	6.3	6.3	6.1
LSD VALUE	0.8	1.2	0.9	1.0	1.3	0.5
C.V. (%)	9.0	10.0	6.6	9.2	11.8	9.7

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. SPRING GREENUP RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	CA3	FL1	KS1	NC1	TX1	MEAN
ZENITH	5.3	4.0	8.7	7.7	6.7	6.5
MEYER	5.3	4.3	6.7	7.0	7.3	6.1
29-2	5.0	4.3	7.0	6.7	7.3	6.1
380-1	6.0	6.0	4.0	6.7	6.7	5.9
ZORRO	6.7	6.0	4.0	6.0	6.0	5.7
DALZ 0701	5.7	6.3	.	3.3	5.3	5.2
240	3.3	3.3	5.7	6.3	7.0	5.1
DALZ 0702	5.3	5.7	1.0	3.3	5.3	4.1
DALZ 0501	4.7	5.3	.	1.0	5.0	4.0
L1F	4.3	5.0	.	1.7	5.0	4.0
SHADOWTURF	4.3	5.3	.	1.0	5.0	3.9
LSD VALUE	1.0	1.7	2.2	0.7	1.0	0.6
C.V. (%)	11.8	20.9	23.2	10.0	9.9	15.3

TABLE 6. LEAF TEXTURE RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	CA3	FL1	IN1	KS1	NC1	TX1	MEAN
SHADOWTURF	7.0	8.0	.	9.0	8.7	7.3	8.0
ZORRO	6.7	7.0	8.7	9.0	8.0	7.3	7.8
DALZ 0501	7.0	8.0	.	.	8.0	7.3	7.6
L1F	6.7	8.0	.	.	8.3	7.3	7.6
380-1	6.0	7.0	9.0	8.7	7.3	6.7	7.4
DALZ 0702	7.3	7.3	.	6.0	8.0	7.0	7.1
DALZ 0701	7.3	7.3	4.0	9.0	8.0	7.0	7.1
MEYER	4.0	4.0	7.3	7.0	7.0	6.0	5.9
29-2	4.0	4.0	6.7	7.0	6.0	5.7	5.6
240	3.3	4.0	7.0	6.7	6.0	5.7	5.4
ZENITH	2.3	3.0	4.0	6.0	5.0	5.0	4.2
LSD VALUE	1.0	0.4	1.3	2.4	0.5	0.7	0.4
C.V. (%)	10.8	4.0	10.6	16.1	4.1	7.0	9.1

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 7. SPRING DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	CA3	FL1	TX1	MEAN
DALZ 0701	6.3	6.0	8.7	7.0
ZORRO	6.7	5.3	8.7	6.9
DALZ 0501	6.0	5.3	9.0	6.8
DALZ 0702	5.3	6.0	9.0	6.8
L1F	4.7	5.3	9.0	6.3
SHADOWTURF	4.7	6.0	8.3	6.3
380-1	5.0	5.3	7.3	5.9
29-2	5.0	3.7	5.0	4.6
ZENITH	5.7	3.3	4.0	4.3
240	3.7	3.7	4.3	3.9
MEYER	4.3	3.0	4.0	3.8
LSD VALUE	1.2	1.2	1.7	0.8
C.V. (%)	13.8	15.7	14.6	14.9

TABLE 8. SUMMER DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	CA3	FL1	NC1	TX1	MEAN
DALZ 0702	7.0	7.3	8.0	8.7	7.8
ZORRO	7.7	6.0	8.7	8.0	7.6
L1F	7.3	7.7	8.0	7.3	7.6
DALZ 0501	7.0	6.7	8.0	8.0	7.4
DALZ 0701	8.0	6.3	8.7	6.3	7.3
SHADOWTURF	7.3	7.0	8.0	6.0	7.1
380-1	6.3	6.0	6.3	6.0	6.2
29-2	5.0	6.0	7.0	4.3	5.6
MEYER	5.3	3.3	7.3	3.3	4.8
ZENITH	4.3	4.3	5.7	3.0	4.3
240	3.0	4.0	6.7	3.3	4.3
LSD VALUE	1.0	2.1	0.8	2.2	0.8
C.V. (%)	9.7	21.8	7.0	23.6	16.1

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 9. FALL DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	CA3	FL1	TX1	MEAN
DALZ 0501	7.7	5.7	8.7	7.3
L1F	7.7	6.3	8.0	7.3
DALZ 0702	7.3	6.3	8.0	7.2
ZORRO	7.0	6.7	7.7	7.1
DALZ 0701	7.0	6.0	7.3	6.8
SHADOWTURF	7.3	5.7	7.3	6.8
380-1	5.3	6.0	4.3	5.2
29-2	3.7	4.3	3.7	3.9
MEYER	3.7	3.7	2.3	3.2
ZENITH	2.3	4.0	2.3	2.9
240	3.0	3.7	1.7	2.8
LSD VALUE	1.1	1.9	2.5	1.1
C.V. (%)	10.7	21.8	27.6	21.4

TABLE 10. FROST TOLERANCE RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/

NAME	CA3
DALZ 0701	5.0
DALZ 0501	4.3
DALZ 0702	4.3
ZORRO	4.0
L1F	3.0
SHADOWTURF	2.7
380-1	2.0
240	1.0
29-2	1.0
MEYER	1.0
ZENITH	1.0
LSD VALUE	0.5
C.V. (%)	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. WINTER COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	CA3	FL1	NC1	TX1	MEAN
DALZ 0702	6.0	4.0	6.0	2.3	4.6
ZORRO	5.0	2.7	7.3	2.3	4.3
DALZ 0701	6.3	3.3	5.0	2.0	4.2
SHADOWTURF	5.7	3.3	4.0	2.3	3.8
L1F	4.7	3.7	4.0	2.7	3.8
DALZ 0501	5.3	3.0	4.0	2.7	3.8
380-1	2.0	2.3	7.0	2.0	3.3
ZENITH	1.3	1.7	8.0	2.3	3.3
240	1.0	1.3	8.0	3.0	3.3
29-2	1.0	1.3	8.7	1.7	3.2
MEYER	1.0	1.0	8.7	2.0	3.2
LSD VALUE	0.6	1.0	1.0	1.6	0.6
C.V. (%)	10.9	25.9	9.4	44.1	18.9

TABLE 12. FALL COLOR (SEPTEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	FL1
DALZ 0702	7.3
380-1	7.0
DALZ 0701	6.7
29-2	6.3
L1F	6.3
SHADOWTURF	6.3
ZORRO	6.0
DALZ 0501	5.3
MEYER	5.3
ZENITH	5.3
240	4.3
LSD VALUE	1.2
C.V. (%)	12.2

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

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

TABLE 13. FALL COLOR (OCTOBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	FL1	KS1	MEAN
DALZ 0702	5.7	3.7	4.7
ZENITH	3.3	5.3	4.3
380-1	4.3	3.3	3.8
SHADOWTURF	4.3	3.0	3.7
29-2	3.7	3.3	3.5
DALZ 0501	4.3	2.3	3.3
DALZ 0701	4.7	1.7	3.2
ZORRO	3.0	3.3	3.2
MEYER	3.7	2.7	3.2
240	3.3	2.7	3.0
L1F	5.0	1.0	3.0
LSD VALUE	1.2	2.7	1.5
C.V. (%)	17.9	58.0	37.2

TABLE 14. FALL COLOR (NOVEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	CA3	FL1	NC1	TX1	MEAN
DALZ 0701	5.7	5.7	8.3	7.7	6.8
L1F	4.7	6.7	8.0	8.0	6.8
DALZ 0702	5.3	7.0	7.3	7.3	6.8
DALZ 0501	4.0	5.7	8.0	7.7	6.3
SHADOWTURF	3.7	6.3	7.0	8.0	6.3
ZORRO	4.3	5.3	7.7	7.7	6.3
380-1	3.0	5.3	6.7	5.3	5.1
29-2	2.7	5.0	5.7	4.0	4.3
MEYER	2.3	4.0	5.7	4.7	4.2
240	2.0	3.7	5.0	5.3	4.0
ZENITH	2.7	4.0	4.7	3.7	3.8
LSD VALUE	0.9	1.8	0.9	2.8	0.9
C.V. (%)	14.1	21.4	8.2	27.3	20.2

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 15. FALL COLOR (DECEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

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

NAME	FL1	NC1	TX1	MEAN
DALZ 0702	6.7	6.7	7.0	6.8
DALZ 0701	5.7	6.7	6.7	6.3
ZORRO	5.0	7.0	6.7	6.2
DALZ 0501	5.3	6.0	6.7	6.0
380-1	4.7	6.3	6.0	5.7
L1F	5.7	4.0	6.7	5.4
SHADOWTURF	5.0	4.0	6.3	5.1
29-2	4.3	6.7	4.0	5.0
240	3.7	4.3	3.3	3.8
MEYER	4.0	4.3	3.0	3.8
ZENITH	4.3	4.3	2.3	3.7
LSD VALUE	1.0	1.3	1.7	0.8
C.V. (%)	13.2	14.9	19.9	16.3

TABLE 16. POA ANNUA RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	CA3
DALZ 0702	7.7
L1F	7.0
SHADOWTURF	7.0
ZORRO	7.0
DALZ 0501	6.7
DALZ 0701	6.7
29-2	6.0
380-1	6.0
ZENITH	6.0
240	5.0
MEYER	4.3
LSD VALUE	1.5
C.V. (%)	14.6

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

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

TABLE 17. MOLE CRICKET DAMAGE RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2011 DATA

MOLE CRICKET DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	FL1
DALZ 0702	6.7
ZORRO	6.7
380-1	6.3
L1F	6.3
SHADOWTURF	6.0
DALZ 0701	5.3
ZENITH	5.3
DALZ 0501	5.0
MEYER	4.7
29-2	4.3
240	4.0
LSD VALUE	1.8
C.V. (%)	20.2

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.