

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.

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Mr. Bo Lacy, Barenbrug USA.
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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>.

2018 NATIONAL LOW INPUT WARM-SEASON TEST

LOCATIONS SUBMITTING DATA FOR 2021

| State | Location | Code |
|----------------|-------------------|------|
| Florida | Jay | FL3 |
| Florida | Citra | FL4 |
| Mississippi | Mississippi State | MS1 |
| New Mexico | Las Cruces | NM1 |
| North Carolina | Raleigh | NC1 |
| Oklahoma | Stillwater | OK1 |
| Texas | College Station | TX2 |
| Utah | Logan | UT1 |

2018 National Low Input Warm-Season Test
Entries and Sponsors

| Entry No. | Name | Species | Seeded/ Vegetative | Sponsors |
|------------------|-----------------|---|-------------------------------|-----------------------------------|
| *1 | Meyer | Zoysia | Vegetative | Standard Entry |
| *2 | Tifway | Bermuda | Vegetative | Standard Entry |
| *3 | Midiron | Bermuda | Vegetative | Standard Entry |
| 4 | 16-TZ-14114 | Zoysia | Vegetative | University of Georgia |
| *5 | Habiturf | Buffalo Curly Mesquite Blue grama | Vegetative | Lady Bird Johnson Wildflower Ctr. |
| *6 | Lobo (XZ 14069) | Zoysia | Vegetative | North Carolina State University |
| *7 | ASC-117 | Bermuda | Seeded | Allstar Seed Co. |
| *8 | Cody | Buffalo | Seeded | Standard Entry |
| 9 | FAES 1322 | Zoysia | Vegetative | University of Florida |
| 10 | FB 1628 | Bermuda | Vegetative | University of Florida |

*Commercially available in 2022 in the US or any other country

TABLE A.

2021 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2018 NATIONAL LOW INPUT WARM-SEASON 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 |
|----------|-----------------|------------|-----------------------------------|---------------------------------|------------------------------|--------------------|--------------------------|---------------------------|
| FL3 | SANDY LOAM | 5.6-6.0 | 61-150 | 0-150 | 0.0-1.0 | FULL SUN | 2.1-2.5 | ONLY DURING SEVERE STRESS |
| FL4 | SAND | 5.6-6.0 | 0-60 | 0-150 | 0.0-1.0 | FULL SUN | 3.1-3.5 | ONLY DURING SEVERE STRESS |
| MS1 | SANDY LOAM | 7.1-7.5 | 271-450 | 241-375 | 3.1-4.0 | FULL SUN | 0.6-1.0 | TO PREVENT STRESS |
| NC1 | SANDY LOAM | 6.1-6.5 | 61-150 | 0-150 | 0.0-1.0 | FULL SUN | 2.1-2.5 | TO PREVENT STRESS |
| NM1 | SANDY LOAM | 8.6+ | 0-60 | 151-240 | - | FULL SUN | 1.6-2.0 | ONLY DURING SEVERE STRESS |
| OK1 | LOAM | 7.1-7.5 | 61-150 | 241-375 | 1.1-2.0 | FULL SUN | 2.6-3.0 | TO PREVENT DORMANCY |
| TX2 | - | 7.6-8.5 | - | - | 0.0-1.0 | FULL SUN | 1.6-2.0 | ONLY DURING SEVERE STRESS |
| UT1 | SANDY LOAM | 7.6-8.5 | - | - | - | FULL SUN | 2.1-2.5 | ONLY DURING SEVERE 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 | SPRING DENSITY | SUMMER DENSITY | FALL COLOR NOVEMBER |
|----------|------------------------------|-------------------------------|----------------------------|----------------------------|--------------------------|---------------------------|---------------------------|-----------------------------|--------------------------------|------------------------------|-------------------------------|-------------------------------|------------------|-------------------|-------------------|-------------------|---------------------------|
| FL3 | | | X | X | X | X | X | X | X | X | | | | X | | | |
| FL4 | X | X | X | X | X | X | X | X | X | X | | X | | X | | | |
| MS1 | | | | X | X | X | X | X | X | X | X | | X | | | X | X |
| NC1 | | | | | X | X | X | X | X | X | X | | | X | | | |
| NM1 | | | | | X | X | X | X | X | X | X | | X | | | | |
| OK1 | | | | | X | X | X | X | X | X | | X | | | X | | |
| TX2 | | | | | X | X | X | X | X | X | | | | X | | | |
| UT1 | | | | | X | X | X | X | X | X | | | | X | | | |

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2021

| LOCATION | PERCENT LIVING GROUND COVER RATINGS | | | | | | | | | | | |
|----------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| FL3 | | | X | X | X | X | X | X | X | X | | |
| FL4 | X | X | X | X | X | X | X | X | X | X | X | |
| MS1 | | | | | | | | | | | X | X |
| NC1 | | | X | X | X | X | X | X | X | X | X | X |
| NM1 | | | | X | X | X | X | X | X | X | X | |
| OK1 | | | | | | X | X | X | X | X | | |
| TX2 | | | | | X | X | X | X | X | X | X | |
| UT1 | | | | | X | X | X | X | X | X | X | |

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2021

| LOCATION | CANOPY HEIGHT MEASUREMENTS | | | | | | | | | | | |
|----------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| * FL3 | | | | X | X | X | X | X | X | X | | |
| * FL4 | X | X | X | X | X | X | X | X | X | X | X | X |
| MS1 | | | | | | | | | | | | |
| * NC1 | | | | | | X | X | X | X | X | X | |
| * NM1 | | | | X | X | X | X | X | X | X | | |
| * OK1 | | | | | X | X | X | X | X | X | | |
| * TX2 | | | | | | X | X | X | X | X | | |
| * UT1 | | | | | X | X | X | X | X | X | | |

* MORE DATA FOR FL3, FL4, NC1, NM1, OK1, TX2 AND UT1 IN TABLE 8, 9, 10, 11, 12, 13 AND 14.

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF WARM-SEASON CULTIVARS GROWN UNDER
 LOW INPUT IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
 2021 DATA

| | | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ | | | | | | |
|-------------------|---------|--|------|-----|------|------|------|------|
| NAME | | # Entry | NC1 | FL3 | FL4 | MS1 | OK1 | MEAN |
| * LOBO (XZ 14069) | ZOYSIA | 6 | 6.7 | 6.5 | 5.6 | 5.5 | 5.8 | 6.0 |
| 16-TZ-14114 | ZOYSIA | 4 | 6.4 | 6.4 | 5.2 | 5.3 | 5.6 | 5.8 |
| * TIFWAY | BERMUDA | 2 | 5.9 | 6.9 | 4.3 | 5.0 | 5.4 | 5.5 |
| FAES 1322 | ZOYSIA | 9 | 5.8 | 6.5 | 5.0 | 4.4 | 4.9 | 5.3 |
| * MEYER | ZOYSIA | 1 | 5.9 | 5.9 | 4.0 | 5.1 | 5.3 | 5.2 |
| FB 1628 | BERMUDA | 10 | 5.4 | 6.9 | 3.6 | 4.7 | 5.2 | 5.1 |
| * MIDIRON | BERMUDA | 3 | 4.5 | 6.4 | 1.3 | 4.9 | 5.0 | 4.4 |
| * CODY | BUFFALO | 8 | 4.3 | 5.6 | 1.0 | 4.6 | 4.7 | 4.0 |
| * HABITURF | MIXTURE | 5 | 4.2 | 5.7 | 1.0 | 4.6 | 4.7 | 4.0 |
| * ASC-117 | BERMUDA | 7 | 3.1 | 5.5 | 1.0 | 2.7 | 3.2 | 3.1 |
| LSD VALUE | | | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | | | 11.3 | 9.4 | 18.5 | 12.6 | 11.8 | 12.1 |

*/ COMMERCIALY 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.

MEAN TURFGRASS QUALITY RATINGS OF WARM-SEASON CULTIVARS GROWN UNDER 1/
 LOW INPUT IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2021 DATA

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

| NAME | | # Entry | TX2 | NM1 | UT1 | MEAN |
|-----------------|---------|---------|------|------|------|------|
| MIDIRON | BERMUDA | 3 | 5.0 | 4.6 | 5.8 | 5.1 |
| FB 1628 | BERMUDA | 10 | 4.4 | 5.0 | 4.8 | 4.7 |
| TIFWAY | BERMUDA | 2 | 4.7 | 4.7 | 4.5 | 4.6 |
| HABITURF | MIXTURE | 5 | 4.7 | 3.7 | 5.1 | 4.5 |
| CODY | BUFFALO | 8 | 4.7 | 3.6 | 5.0 | 4.4 |
| LOBO (XZ 14069) | ZOYSIA | 6 | 4.9 | 3.8 | 3.4 | 4.0 |
| 16-TZ-14114 | ZOYSIA | 4 | 4.8 | 3.7 | 3.4 | 4.0 |
| MEYER | ZOYSIA | 1 | 4.8 | 3.3 | 3.6 | 3.9 |
| FAES 1322 | ZOYSIA | 9 | 3.8 | 4.2 | 3.3 | 3.8 |
| ASC-117 | BERMUDA | 7 | 2.6 | 4.1 | 3.9 | 3.5 |
| LSD VALUE | | | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | | | 13.2 | 14.4 | 13.8 | 13.8 |

*/ 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.

GENETIC COLOR RATINGS OF WARM-SEASON CULTIVARS 1/
GROWN UNDER LOW INPUT IN THE U.S.
2021 DATA

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

| NAME | | MS1 | NM1 | OK1 | MEAN |
|-----------------|---------|-----|------|-----|------|
| FB 1628 | BERMUDA | 5.7 | 4.7 | 7.0 | 5.8 |
| CODY | BUFFALO | 6.3 | 6.0 | 4.7 | 5.7 |
| TIFWAY | BERMUDA | 6.0 | 4.0 | 6.7 | 5.6 |
| FAES 1322 | ZOYSIA | 6.0 | 6.0 | 3.7 | 5.2 |
| HABITURF | MIXTURE | 6.0 | 5.0 | 4.7 | 5.2 |
| MIDIRON | BERMUDA | 5.7 | 4.0 | 6.0 | 5.2 |
| ASC-117 | BERMUDA | 6.3 | 5.7 | 3.3 | 5.1 |
| LOBO (XZ 14069) | ZOYSIA | 6.3 | 4.7 | 4.0 | 5.0 |
| MEYER | ZOYSIA | 5.3 | 5.0 | 4.3 | 4.9 |
| 16-TZ-14114 | ZOYSIA | 5.7 | 4.7 | 4.0 | 4.8 |
| LSD VALUE | | 0.8 | 2.1 | 0.7 | 0.8 |
| C.V. (%) | | 8.1 | 25.7 | 9.3 | 15.8 |

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 4.

SPRING GREENUP RATINGS OF WARM-SEASON CULTIVARS 1/
GROWN UNDER LOW INPUT IN THE U.S.
2021 DATA

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

| NAME | | FL3 | FL4 | MS1 | NC1 | TX2 | UT1 | MEAN |
|-----------------|---------|------|------|-----|------|------|------|------|
| MEYER | ZOYSIA | 7.0 | 3.7 | 8.0 | 7.0 | 5.0 | 4.3 | 5.8 |
| LOBO (XZ 14069) | ZOYSIA | 6.7 | 6.3 | 4.0 | 5.7 | 5.0 | 5.0 | 5.4 |
| FB 1628 | BERMUDA | 7.0 | 4.0 | 2.0 | 5.7 | 4.3 | 5.7 | 4.8 |
| HABITURF | MIXTURE | 6.0 | 1.0 | 7.0 | 4.7 | 4.0 | 5.7 | 4.7 |
| CODY | BUFFALO | 5.7 | 1.0 | 7.0 | 4.3 | 3.7 | 6.0 | 4.6 |
| 16-TZ-14114 | ZOYSIA | 6.0 | 5.0 | 3.0 | 5.0 | 4.7 | 3.7 | 4.6 |
| TIFWAY | BERMUDA | 7.0 | 4.3 | 2.0 | 3.0 | 5.0 | 4.3 | 4.3 |
| MIDIRON | BERMUDA | 7.3 | 1.0 | 4.0 | 2.3 | 4.7 | 6.0 | 4.2 |
| FAES 1322 | ZOYSIA | 6.0 | 5.7 | 2.7 | 1.3 | 4.7 | 3.0 | 3.9 |
| ASC-117 | BERMUDA | 6.3 | 1.0 | 2.0 | 1.0 | 2.0 | 5.0 | 2.9 |
| LSD VALUE | | 1.1 | 1.2 | 0.6 | 2.6 | 1.7 | 2.0 | 0.7 |
| C.V. (%) | | 10.1 | 22.1 | 8.8 | 40.3 | 24.0 | 23.4 | 22.2 |

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

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

TABLE 5.

SPRING DENSITY RATINGS OF WARM-SEASON CULTIVARS 1/
GROWN UNDER LOW INPUT IN THE U.S.
2021 DATA

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

| NAME | | OK1 |
|-----------------|---------|-----|
| TIFWAY | BERMUDA | 6.0 |
| 16-TZ-14114 | ZOYSIA | 5.7 |
| LOBO (XZ 14069) | ZOYSIA | 5.7 |
| MEYER | ZOYSIA | 5.7 |
| FB 1628 | BERMUDA | 5.3 |
| MIDIRON | BERMUDA | 5.3 |
| FAES 1322 | ZOYSIA | 4.3 |
| CODY | BUFFALO | 4.0 |
| HABITURF | MIXTURE | 4.0 |
| ASC-117 | BERMUDA | 3.3 |
| LSD VALUE | | 0.8 |
| C.V. (%) | | 9.8 |

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

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

TABLE 6.

SUMMER DENSITY RATINGS OF WARM-SEASON CULTIVARS 1/
GROWN UNDER LOW INPUT IN THE U.S.
2021 DATA

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

| NAME | | MS1 |
|-----------------|---------|------|
| CODY | BUFFALO | 6.3 |
| 16-TZ-14114 | ZOYSIA | 6.0 |
| HABITURF | MIXTURE | 6.0 |
| LOBO (XZ 14069) | ZOYSIA | 6.0 |
| MEYER | ZOYSIA | 5.7 |
| MIDIRON | BERMUDA | 5.7 |
| TIFWAY | BERMUDA | 5.7 |
| FAES 1322 | ZOYSIA | 5.3 |
| FB 1628 | BERMUDA | 4.7 |
| ASC-117 | BERMUDA | 4.0 |
| LSD VALUE | | 1.4 |
| C.V. (%) | | 16.2 |

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 7.

FALL COLOR (NOVEEMBER) RATINGS OF WARM-SEASON CULTIVARS 1/
 GROWN UNDER LOW INPUT IN THE U.S.
 2021 DATA

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

| NAME | | MS1 |
|-----------------|---------|------|
| HABITURF | MIXTURE | 3.7 |
| 16-TZ-14114 | ZOYSIA | 3.0 |
| CODY | BUFFALO | 3.0 |
| LOBO (XZ 14069) | ZOYSIA | 3.0 |
| MEYER | ZOYSIA | 3.0 |
| FAES 1322 | ZOYSIA | 2.7 |
| ASC-117 | BERMUDA | 2.3 |
| MIDIRON | BERMUDA | 2.3 |
| FB 1628 | BERMUDA | 2.0 |
| TIFWAY | BERMUDA | 2.0 |
| LSD VALUE | | 0.8 |
| C.V. (%) | | 17.9 |

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

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

TABLE 8.

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT JAY, FL 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
PERCENT LIVING GROUND COVER FROM MARCH-OCTOBER

| NAME | | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | MEAN |
|-----------------|---------|-------|-------|------|------|------|--------|-----------|---------|------|
| FAES 1322 | ZOYSIA | 95.0 | 96.3 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 98.2 |
| LOBO (XZ 14069) | ZOYSIA | 96.0 | 99.0 | 99.0 | 99.0 | 97.7 | 97.7 | 96.0 | 96.0 | 97.5 |
| MEYER | ZOYSIA | 91.7 | 94.7 | 97.7 | 99.0 | 99.0 | 99.0 | 99.0 | 94.7 | 96.8 |
| TIFWAY | BERMUDA | 88.3 | 95.0 | 99.0 | 97.7 | 96.3 | 96.3 | 83.3 | 94.7 | 93.8 |
| MIDIRON | BERMUDA | 94.7 | 94.7 | 99.0 | 97.7 | 97.7 | 99.0 | 79.7 | 85.0 | 93.4 |
| FB 1628 | BERMUDA | 83.3 | 85.0 | 91.7 | 96.3 | 97.7 | 97.7 | 93.0 | 94.7 | 92.4 |
| 16-TZ-14114 | ZOYSIA | 91.3 | 91.3 | 92.7 | 99.0 | 92.7 | 72.7 | 72.7 | 69.3 | 85.2 |
| HABITURF | MIXTURE | 89.7 | 83.0 | 89.7 | 97.7 | 97.7 | 66.3 | 56.3 | 63.0 | 80.4 |
| ASC-117 | BERMUDA | 80.0 | 78.3 | 79.7 | 99.0 | 96.0 | 86.0 | 59.7 | 48.3 | 78.4 |
| CODY | BUFFALO | 85.0 | 78.3 | 86.7 | 99.0 | 94.7 | 30.0 | 23.3 | 13.3 | 63.8 |
| LSD VALUE | | 18.3 | 16.4 | 18.0 | 2.9 | 10.6 | 35.3 | 47.5 | 53.4 | 22.4 |
| C.V. (%) | | 8.6 | 9.1 | 8.8 | 1.3 | 4.0 | 22.8 | 31.7 | 36.1 | 12.8 |

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.
(CONT'D)

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT JAY, FL 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
CANOPY HEIGHT FROM APRIL-OCTOBER

| NAME | | APRIL | MAY | JUNE | JULY | AUGUST | OCTOBER |
|-----------------|---------|-------|------|------|------|--------|---------|
| FAES 1322 | ZOYSIA | 4.0 | 3.3 | 4.3 | 4.7 | 4.3 | 4.3 |
| LOBO (XZ 14069) | ZOYSIA | 5.0 | 4.7 | 5.3 | 5.7 | 5.3 | 4.0 |
| MEYER | ZOYSIA | 6.7 | 5.3 | 6.0 | 7.0 | 7.0 | 5.0 |
| TIFWAY | BERMUDA | 6.0 | 5.7 | 6.7 | 6.7 | 6.0 | 5.0 |
| MIDIRON | BERMUDA | 7.0 | 6.7 | 8.7 | 9.3 | 9.0 | 6.3 |
| FB 1628 | BERMUDA | 3.7 | 3.7 | 4.3 | 6.7 | 6.7 | 5.0 |
| 16-TZ-14114 | ZOYSIA | 7.7 | 6.0 | 8.3 | 8.0 | 7.7 | 5.3 |
| HABITURF | MIXTURE | 7.7 | 6.3 | 7.7 | 8.0 | 7.7 | 5.7 |
| ASC-117 | BERMUDA | 10.3 | 5.7 | 7.0 | 8.3 | 10.3 | 5.7 |
| CODY | BUFFALO | 8.7 | 6.7 | 9.3 | 10.0 | 8.7 | 6.0 |
| LSD VALUE | | 3.0 | 2.4 | 2.9 | 3.6 | 4.1 | 1.9 |
| C.V. (%) | | 24.8 | 22.0 | 23.1 | 23.9 | 27.3 | 16.7 |

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.

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT CITRA, FL 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
PERCENT LIVING GROUND COVER FROM JANUARY-DECEMBER

| NAME | ARMY WORM | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER | MEAN |
|-----------------|--------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|------|
| LOBO (XZ 14069) | ZOYSIA | 3.3 | 83.3 | 97.7 | 97.7 | 97.7 | 94.7 | 96.3 | 91.3 | 33.3 | 69.7 | 83.0 | 91.3 | 86.1 |
| 16-TZ-14114 | ZOYSIA | 5.7 | 41.7 | 83.3 | 91.7 | 91.7 | 90.0 | 85.0 | 91.7 | 91.7 | 61.7 | 93.3 | 94.7 | 84.3 |
| FAES 1322 | ZOYSIA | 2.0 | 80.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 96.3 | 10.0 | 55.0 | 73.3 | 80.1 |
| TIFWAY | BERMUDA | 9.0 | 1.7 | 93.3 | 90.0 | 93.3 | 91.7 | 81.7 | 90.0 | 83.3 | 61.7 | 76.7 | 80.0 | 77.1 |
| MEYER | ZOYSIA | 2.7 | 26.7 | 65.0 | 65.0 | 76.7 | 81.7 | 70.0 | 86.7 | 85.0 | 26.7 | 41.7 | 35.0 | 60.4 |
| FB 1628 | BERMUDA | 5.3 | 1.7 | 88.3 | 83.3 | 81.7 | 65.0 | 51.7 | 66.7 | 83.3 | 15.0 | 21.7 | 25.0 | 52.5 |
| CODY | BUFFALO | 8.0 | 0.0 | 0.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 8.3 | 3.3 | 0.0 | 0.0 | 6.0 |
| ASC-117 | BERMUDA | 9.0 | 0.0 | 0.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 6.7 | 1.7 | 0.0 | 5.8 |
| MIDIRON | BERMUDA | 9.0 | 0.0 | 0.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 6.7 | 6.7 | 1.7 | 0.0 | 5.4 |
| HABITURF | MIXTURE | . | 0.0 | 0.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 6.7 | 5.0 | 0.0 | 0.0 | 5.1 |
| LSD VALUE | | 1.9 | 13.5 | 13.6 | 17.3 | 13.2 | 16.9 | 23.8 | 11.3 | 11.3 | 18.1 | 18.7 | 12.5 | 11.1 |
| C.V. (%) | | 16.8 | 36.8 | 16.8 | 19.7 | 14.9 | 19.4 | 29.0 | 12.9 | 13.1 | 47.3 | 32.6 | 20.7 | 15.4 |

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

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

TABLE 9.
(CONT'D)

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT CITRA, FL 1/
2021 DATA

| NAME | | TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ CANOPY HEIGHT FROM JANUARY-DECEMBER | | | | | | | | | | | | PERCENT WEEDS DECEMBER |
|-----------------|---------|---|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|------------------------------|
| | | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER | |
| LOBO (XZ 14069) | ZOYSIA | 4.0 | 4.3 | 4.7 | 4.3 | 3.7 | 3.3 | 5.0 | 4.7 | 3.3 | 4.3 | 3.7 | 4.3 | 41.7 |
| 16-TZ-14114 | ZOYSIA | 6.3 | 5.7 | 5.7 | 6.0 | 5.0 | 6.0 | 7.0 | 7.0 | 6.0 | 7.3 | 5.7 | 5.7 | 23.3 |
| FAES 1322 | ZOYSIA | 3.7 | 3.7 | 4.3 | 4.0 | 2.3 | 3.3 | 4.0 | 4.3 | 3.0 | 3.0 | 2.7 | 2.7 | 61.7 |
| TIFWAY | BERMUDA | 7.3 | 7.0 | 6.0 | 6.0 | 5.3 | 6.3 | 8.0 | 8.0 | 7.0 | 7.0 | 6.7 | 6.3 | 40.0 |
| MEYER | ZOYSIA | 5.7 | 6.0 | 6.0 | 8.0 | 6.0 | 5.7 | 6.7 | 5.3 | 5.0 | 5.0 | 4.3 | 4.3 | 71.7 |
| FB 1628 | BERMUDA | 6.0 | 5.3 | 4.3 | 4.3 | 4.7 | 4.0 | 5.5 | 5.0 | 5.5 | 5.0 | 4.0 | 4.0 | 63.3 |
| CODY | BUFFALO | . | . | . | . | . | . | . | . | . | . | . | . | 56.7 |
| ASC-117 | BERMUDA | . | . | . | . | . | . | . | . | . | . | . | . | 71.7 |
| MIDIRON | BERMUDA | . | . | . | . | . | . | . | . | . | . | . | . | 57.5 |
| HABITURF | MIXTURE | . | . | . | . | . | . | . | . | . | . | . | . | 40.0 |
| LSD VALUE | | 2.8 | 3.4 | 3.5 | 2.4 | 1.5 | 2.7 | 2.7 | 2.3 | 1.4 | 2.8 | 1.7 | 1.8 | 32.4 |
| C.V. (%) | | 24.6 | 28.8 | 28.5 | 22.7 | 17.7 | 26.3 | 18.4 | 19.3 | 12.6 | 22.7 | 19.7 | 19.5 | 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 10.

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT RALEIGH, NC 1/
2021 DATA

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

| NAME | | % SPRING GREENUP | DOLLAR SPOT | | PERCENT SEEDHEAD RATINGS | | |
|-----------------|---------|---------------------|-------------|----------|--------------------------|------|--------|
| | | | JULY 16 | AUGUST 4 | JUNE | JULY | AUGUST |
| LOBO (XZ 14069) | ZOYSIA | 56.7 | 9.0 | 9.0 | 0.0 | 0.0 | 0.0 |
| 16-TZ-14114 | ZOYSIA | 50.0 | 8.0 | 8.3 | 25.0 | 11.7 | 10.0 |
| FB 1628 | BERMUDA | 53.3 | 8.3 | 9.0 | 36.7 | 28.3 | 16.7 |
| MEYER | ZOYSIA | 70.0 | 8.3 | 8.3 | 0.0 | 0.0 | 0.0 |
| TIFWAY | BERMUDA | 26.7 | 8.3 | 9.0 | 0.0 | 0.0 | 0.0 |
| HABITURF | MIXTURE | 45.0 | 9.0 | 9.0 | 8.3 | 15.0 | 11.7 |
| FAES 1322 | ZOYSIA | 13.3 | 7.0 | 7.7 | 0.0 | 1.7 | 1.7 |
| CODY | BUFFALO | 41.7 | 9.0 | 9.0 | 11.7 | 15.0 | 11.7 |
| MIDIRON | BERMUDA | 21.7 | 9.0 | 9.0 | 31.7 | 18.3 | 11.0 |
| ASC-117 | BERMUDA | 5.0 | 9.0 | 9.0 | 11.7 | 16.7 | 6.7 |
| LSD VALUE | | 31.3 | 1.0 | 0.5 | 19.4 | 8.1 | 7.8 |
| C.V. (%) | | 44.9 | 6.4 | 3.6 | 87.2 | 47.0 | 64.3 |

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

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

TABLE 10.
(CONT'D)

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT RALEIGH, NC 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
PERCENT LIVING GROUND COVER MARCH-NOVEMBER

| NAME | | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | MEAN |
|-----------------|---------|-------|-------|------|------|------|--------|-----------|---------|----------|------|
| LOBO (XZ 14069) | ZOYSIA | 51.7 | 56.7 | 70.0 | 88.3 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 84.6 |
| 16-TZ-14114 | ZOYSIA | 41.7 | 50.0 | 81.7 | 96.3 | 99.0 | 99.0 | 99.0 | 99.0 | 93.3 | 84.3 |
| FB 1628 | BERMUDA | 3.3 | 53.3 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 93.3 | 82.7 |
| MEYER | ZOYSIA | 38.3 | 70.0 | 86.7 | 91.7 | 99.0 | 99.0 | 99.0 | 99.0 | 23.3 | 78.4 |
| TIFWAY | BERMUDA | 3.3 | 26.7 | 93.3 | 97.7 | 97.7 | 99.0 | 99.0 | 99.0 | 90.0 | 78.4 |
| HABITURF | MIXTURE | 11.7 | 45.0 | 99.0 | 93.0 | 97.7 | 97.7 | 99.0 | 99.0 | 40.0 | 75.8 |
| FAES 1322 | ZOYSIA | 6.7 | 13.3 | 55.0 | 90.0 | 96.3 | 99.0 | 99.0 | 99.0 | 99.0 | 73.0 |
| CODY | BUFFALO | 6.7 | 41.7 | 99.0 | 97.7 | 99.0 | 99.0 | 99.0 | 99.0 | 13.3 | 72.7 |
| MIDIRON | BERMUDA | 8.3 | 21.7 | 93.3 | 93.3 | 99.0 | 99.0 | 97.7 | 97.7 | 21.0 | 70.1 |
| ASC-117 | BERMUDA | 3.3 | 5.0 | 86.3 | 63.3 | 90.0 | 91.7 | 99.0 | 96.0 | 35.0 | 63.3 |
| LSD VALUE | | 16.0 | 31.3 | 17.0 | 7.1 | 2.1 | 1.8 | 1.9 | 4.8 | 14.3 | 6.8 |
| C.V. (%) | | 56.1 | 44.9 | 11.5 | 4.9 | 1.3 | 1.2 | 0.7 | 1.9 | 15.2 | 5.4 |

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 10.
(CONT'D)

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT RALEIGH, NC 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
CANOPY HEIGHT MEASURED IN CENTIMETERS JUNE-NOVEMBER

| NAME | | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | COLOR NOVEMBER |
|-----------------|---------|------|------|--------|-----------|---------|----------|-------------------|
| LOBO (XZ 14069) | ZOYSIA | 6.3 | 6.7 | 7.3 | 6.0 | 6.0 | 5.7 | 4.7 |
| 16-TZ-14114 | ZOYSIA | 8.0 | 9.3 | 11.3 | 11.0 | 8.7 | 8.3 | 4.7 |
| FB 1628 | BERMUDA | 5.7 | 7.0 | 8.0 | 7.3 | 7.0 | 6.7 | 2.0 |
| MEYER | ZOYSIA | 6.0 | 7.7 | 8.0 | 7.0 | 7.0 | 7.0 | 2.0 |
| TIFWAY | BERMUDA | 7.0 | 8.7 | 7.3 | 6.3 | 6.7 | 6.7 | 2.7 |
| HABITURF | MIXTURE | 11.0 | 15.7 | 15.3 | 15.7 | 11.3 | 11.7 | 2.0 |
| FAES 1322 | ZOYSIA | 7.0 | 6.3 | 7.3 | 6.7 | 6.7 | 6.0 | 4.0 |
| CODY | BUFFALO | 8.7 | 14.7 | 14.0 | 15.3 | 10.7 | 9.3 | 1.0 |
| MIDIRON | BERMUDA | 8.3 | 11.0 | 10.7 | 7.3 | 6.7 | 6.0 | 1.0 |
| ASC-117 | BERMUDA | 9.0 | 13.0 | 12.7 | 17.3 | 12.0 | 10.3 | 1.7 |
| LSD VALUE | | 1.9 | 1.9 | 2.2 | 4.6 | 1.6 | 1.8 | 0.8 |
| C.V. (%) | | 14.4 | 12.3 | 13.2 | 27.6 | 12.1 | 13.8 | 18.8 |

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.
(CONT'D)

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT RALEIGH, NC 1/
2021 DATA

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

| NAME | | PERCENT | PERCENT | PERCENT WEEDS | | PERCENT BROADLEAF WEEDS MARCH-JULY | | | | PERCENT GRASSY WEEDS | | |
|-----------------|---------|-----------------|--------------------|---------------|------|------------------------------------|------|------|------|----------------------|-----------|----------|
| | | WEEDS SPRING | BROADLEAF WEEDS | MARCH | MAY | MARCH | MAY | JUNE | JULY | MARCH | SEPTEMBER | NOVEMBER |
| LOBO (XZ 14069) | ZOYSIA | 56.7 | 39.3 | 55.0 | 40.0 | 10.0 | 16.3 | 4.0 | 7.3 | 5.3 | 1.0 | 1.7 |
| 16-TZ-14114 | ZOYSIA | 46.7 | 21.3 | 45.0 | 25.0 | 15.0 | 13.3 | 0.7 | 1.0 | 3.3 | 0.0 | 0.7 |
| FB 1628 | BERMUDA | 43.3 | 31.0 | 51.7 | 35.0 | 25.0 | 35.0 | 10.3 | 7.3 | 5.0 | 9.0 | 1.7 |
| MEYER | ZOYSIA | 58.3 | 43.3 | 61.7 | 46.7 | 13.3 | 19.7 | 3.0 | 5.3 | 3.7 | 0.3 | 0.7 |
| TIFWAY | BERMUDA | 55.0 | 40.0 | 63.3 | 43.3 | 35.0 | 38.3 | 10.0 | 2.3 | 6.7 | 5.7 | 2.0 |
| HABITURF | MIXTURE | 56.7 | 31.3 | 65.0 | 33.3 | 36.7 | 35.0 | 28.3 | 28.3 | 6.7 | 23.0 | 1.7 |
| FAES 1322 | ZOYSIA | 45.0 | 40.0 | 36.7 | 41.7 | 15.0 | 23.3 | 5.7 | 6.0 | 5.0 | 1.3 | 1.0 |
| CODY | BUFFALO | 65.0 | 53.3 | 63.3 | 53.3 | 36.7 | 41.7 | 15.3 | 12.3 | 6.7 | 15.0 | 1.7 |
| MIDIRON | BERMUDA | 45.0 | 20.7 | 58.3 | 23.3 | 41.7 | 56.3 | 23.3 | 9.7 | 6.7 | 22.3 | 3.0 |
| ASC-117 | BERMUDA | 43.3 | 36.7 | 56.7 | 38.3 | 73.3 | 78.0 | 35.0 | 35.0 | 6.7 | 56.7 | 2.3 |
| LSD VALUE | | 90.0 | 69.2 | 78.2 | 69.9 | 11.7 | 17.9 | 13.6 | 19.4 | 7.3 | 19.4 | 2.3 |
| C.V. (%) | | 56.9 | 67.7 | 47.4 | 63.4 | 24.4 | 30.5 | 58.6 | 89.6 | 48.1 | 85.3 | 60.9 |

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 11. PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT LAS CRUCES, NM 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
PERCENT LIVING GROUND COVER APRIL-SEPTEMBER

| NAME | | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | MEAN |
|-----------------|---------|-------|------|------|------|--------|-----------|------|
| FB 1628 | BERMUDA | 6.7 | 2.7 | 97.7 | 96.0 | 98.0 | 84.7 | 50.3 |
| MIDIRON | BERMUDA | 3.7 | 4.7 | 99.0 | 97.0 | 98.0 | 81.7 | 48.7 |
| TIFWAY | BERMUDA | 2.0 | 2.0 | 96.3 | 91.3 | 96.3 | 85.3 | 47.6 |
| ASC-117 | BERMUDA | 3.3 | 2.3 | 92.7 | 80.3 | 91.3 | 85.3 | 45.6 |
| 16-TZ-14114 | ZOYSIA | 2.0 | 2.0 | 69.3 | 89.7 | 95.0 | 78.3 | 43.0 |
| FAES 1322 | ZOYSIA | 2.7 | 2.3 | 66.7 | 84.7 | 90.7 | 81.0 | 42.8 |
| CODY | BUFFALO | 5.0 | 2.0 | 72.7 | 74.0 | 85.0 | 81.7 | 41.1 |
| HABITURF | MIXTURE | 2.0 | 2.3 | 73.0 | 69.7 | 74.3 | 67.3 | 37.0 |
| LOBO (XZ 14069) | ZOYSIA | 2.7 | 2.0 | 46.0 | 61.3 | 73.0 | 63.7 | 34.2 |
| MEYER | ZOYSIA | 3.7 | 2.0 | 34.7 | 69.3 | 72.0 | 64.0 | 31.1 |
| LSD VALUE | | 3.8 | 2.9 | 48.2 | 24.6 | 19.0 | 16.2 | 15.6 |
| C.V. (%) | | 52.4 | 49.8 | 31.7 | 15.3 | 11.4 | 10.9 | 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 11.
(CONT'D)

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT LAS CRUCES, NM 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
CANOPY HEIGHT MEASURED IN CENTIMETERS APRIL-OCTOBER

| NAME | | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER |
|-----------------|---------|-------|------|------|------|--------|-----------|---------|
| FB 1628 | BERMUDA | 1.7 | 1.7 | 1.0 | 1.3 | 2.0 | 1.7 | 2.0 |
| MIDIRON | BERMUDA | 2.3 | 2.3 | 2.0 | 3.3 | 3.3 | 2.7 | 2.3 |
| TIFWAY | BERMUDA | 2.7 | 2.0 | 2.0 | 2.7 | 3.0 | 3.3 | 3.0 |
| ASC-117 | BERMUDA | 2.3 | 2.3 | 2.0 | 4.0 | 3.7 | 4.0 | 3.0 |
| 16-TZ-14114 | ZOYSIA | 2.0 | 2.0 | 1.3 | 2.0 | 2.0 | 2.0 | 1.7 |
| FAES 1322 | ZOYSIA | 1.7 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.7 |
| CODY | BUFFALO | 2.0 | 2.0 | 1.7 | 3.0 | 2.7 | 2.7 | 2.3 |
| HABITURF | MIXTURE | 2.0 | 2.0 | 2.3 | 3.7 | 3.7 | 3.3 | 3.0 |
| LOBO (XZ 14069) | ZOYSIA | 1.7 | 1.7 | 1.0 | 1.3 | 1.0 | 1.0 | 2.0 |
| MEYER | ZOYSIA | 1.0 | 1.7 | 1.0 | 1.7 | 2.0 | 2.3 | 1.7 |
| LSD VALUE | | 0.7 | 1.6 | 1.2 | 1.0 | 0.9 | 1.1 | 0.8 |
| C.V. (%) | | 20.9 | 30.9 | 36.2 | 24.1 | 21.9 | 26.7 | 18.8 |

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

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

TABLE 11.
(CONT'D)

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT LAS CRUCES, NM 1/
2021 DATA

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

| NAME | | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER |
|-----------------|---------|-------|-------|------|------|------|--------|-----------|---------|
| FB 1628 | BERMUDA | 4.0 | 6.3 | 3.7 | 8.3 | 6.3 | 7.7 | 7.0 | 5.7 |
| MIDIRON | BERMUDA | 5.0 | 4.7 | 5.0 | 8.0 | 6.3 | 7.0 | 5.7 | 4.0 |
| TIFWAY | BERMUDA | 3.7 | 3.3 | 3.3 | 7.7 | 6.7 | 7.0 | 6.0 | 4.7 |
| ASC-117 | BERMUDA | 5.0 | 4.0 | 3.3 | 6.3 | 3.7 | 4.0 | 4.0 | 4.0 |
| 16-TZ-14114 | ZOYSIA | 4.0 | 3.3 | 2.3 | 5.3 | 4.7 | 5.7 | 5.0 | 3.3 |
| FAES 1322 | ZOYSIA | 3.3 | 3.3 | 2.7 | 5.7 | 5.3 | 6.7 | 5.7 | 5.0 |
| CODY | BUFFALO | 5.7 | 6.0 | 3.0 | 5.7 | 3.7 | 4.7 | 3.7 | 2.3 |
| HABITURF | MIXTURE | 5.7 | 3.7 | 3.3 | 5.7 | 4.0 | 4.0 | 3.7 | 3.0 |
| LOBO (XZ 14069) | ZOYSIA | 2.7 | 3.0 | 2.3 | 3.7 | 3.0 | 3.3 | 4.7 | 6.0 |
| MEYER | ZOYSIA | 3.7 | 4.7 | 3.0 | 4.0 | 4.7 | 4.3 | 4.0 | 3.7 |
| LSD VALUE | | 1.4 | 2.9 | 1.8 | 2.3 | 1.5 | 2.0 | 1.5 | 1.7 |
| C.V. (%) | | 18.1 | 32.4 | 26.8 | 21.0 | 17.8 | 21.0 | 17.1 | 23.0 |

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 12. PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT STILLWATER, OK 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
PERCENT LIVING GROUND COVER FROM JUNE-SEPTEMBER

| NAME | | JUNE 21 | JULY 25 | AUGUST 23 | SEPTEMBER 26 | MEAN |
|-----------------|---------|---------|---------|-----------|--------------|------|
| LOBO (XZ 14069) | ZOYSIA | 98.0 | 99.0 | 98.7 | 99.0 | 98.7 |
| MEYER | ZOYSIA | 98.7 | 98.3 | 98.7 | 98.7 | 98.6 |
| 16-TZ-14114 | ZOYSIA | 97.3 | 98.0 | 98.3 | 98.7 | 98.1 |
| TIFWAY | BERMUDA | 97.3 | 98.7 | 98.0 | 98.0 | 98.0 |
| FB 1628 | BERMUDA | 97.0 | 98.7 | 97.3 | 97.0 | 97.5 |
| MIDIRON | BERMUDA | 96.3 | 97.7 | 96.7 | 94.7 | 96.3 |
| FAES 1322 | ZOYSIA | 83.0 | 82.0 | 95.7 | 95.3 | 89.0 |
| HABITURF | MIXTURE | 89.0 | 89.7 | 88.7 | 80.7 | 87.0 |
| CODY | BUFFALO | 90.0 | 86.7 | 86.3 | 74.3 | 84.3 |
| ASC-117 | BERMUDA | 76.7 | 70.0 | 56.7 | 86.0 | 72.3 |
| LSD VALUE | | 13.7 | 17.3 | 17.7 | 15.8 | 10.7 |
| C.V. (%) | | 7.7 | 9.9 | 10.9 | 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 12.
(CONT'D)

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT STILLWATER, OK 1/
2021 DATA

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

| NAME | | CANOPY HEIGHT MEASURED IN CENTIMETERS FROM MAY-OCTOBER | | | | | | PERCENT WEEDS AUGUST-OCTOBER | | |
|-----------------|---------|--|------|------|--------|-----------|---------|------------------------------|-----------|---------|
| | | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | AUGUST | SEPTEMBER | OCTOBER |
| LOBO (XZ 14069) | ZOYSIA | 4.3 | 4.0 | 4.0 | 4.7 | 3.3 | 3.7 | 0.7 | 1.0 | 1.0 |
| MEYER | ZOYSIA | 6.0 | 7.7 | 6.3 | 5.7 | 6.3 | 5.3 | 1.0 | 1.3 | 1.3 |
| 16-TZ-14114 | ZOYSIA | 4.7 | 6.3 | 5.3 | 5.3 | 5.7 | 5.3 | 0.7 | 1.3 | 1.0 |
| TIFWAY | BERMUDA | 5.7 | 6.7 | 6.0 | 5.0 | 5.0 | 4.7 | 1.3 | 5.7 | 1.7 |
| FB 1628 | BERMUDA | 4.7 | 5.0 | 6.0 | 6.0 | 5.0 | 4.7 | 3.3 | 6.7 | 3.0 |
| MIDIRON | BERMUDA | 5.3 | 8.3 | 7.0 | 7.7 | 6.7 | 6.0 | 6.0 | 8.3 | 3.0 |
| FAES 1322 | ZOYSIA | 2.7 | 4.0 | 4.3 | 4.0 | 4.0 | 3.7 | 2.3 | 9.7 | 11.0 |
| HABITURF | MIXTURE | 6.7 | 11.7 | 9.0 | 9.3 | 8.3 | 6.3 | 13.3 | 22.0 | 15.0 |
| CODY | BUFFALO | 7.7 | 11.3 | 9.3 | 8.7 | 7.7 | 6.3 | 20.0 | 20.0 | 11.3 |
| ASC-117 | BERMUDA | 6.0 | 10.7 | 7.7 | 7.0 | 8.7 | 7.3 | 30.0 | 24.3 | 11.0 |
| LSD VALUE | | 1.3 | 1.5 | 1.6 | 1.6 | 1.7 | 1.2 | 10.0 | 7.6 | 9.6 |
| C.V. (%) | | 14.7 | 12.5 | 15.0 | 15.3 | 16.6 | 13.1 | 76.5 | 46.7 | 85.0 |

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 13.

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT COLLEGE STATION, TX 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
PERCENT GROUND COVER FROM MAY THROUGH OCTOBER

| NAME | | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | MEAN |
|-----------------|---------|------|------|------|--------|-----------|---------|------|
| MIDIRON | BERMUDA | 86.7 | 65.0 | 96.3 | 81.7 | 81.7 | 86.7 | 83.0 |
| TIFWAY | BERMUDA | 80.0 | 73.3 | 90.0 | 81.7 | 85.0 | 86.7 | 82.8 |
| 16-TZ-14114 | ZOYSIA | 85.0 | 73.3 | 94.7 | 80.0 | 71.7 | 85.0 | 81.6 |
| MEYER | ZOYSIA | 80.0 | 78.3 | 89.7 | 71.7 | 78.3 | 85.0 | 80.5 |
| LOBO (XZ 14069) | ZOYSIA | 86.7 | 71.7 | 86.3 | 66.7 | 83.3 | 83.3 | 79.7 |
| HABITURF | MIXTURE | 83.3 | 46.7 | 88.3 | 61.7 | 78.3 | 88.3 | 74.4 |
| CODY | BUFFALO | 71.7 | 50.0 | 83.3 | 61.7 | 71.7 | 83.3 | 70.3 |
| FB 1628 | BERMUDA | 58.3 | 55.0 | 81.3 | 58.3 | 63.3 | 81.7 | 66.3 |
| FAES 1322 | ZOYSIA | 80.0 | 76.7 | 85.0 | 40.0 | 27.3 | 76.7 | 64.3 |
| ASC-117 | BERMUDA | 13.3 | 16.7 | 61.7 | 46.7 | 45.0 | 48.3 | 38.6 |
| LSD VALUE | | 18.0 | 46.6 | 22.9 | 29.1 | 31.9 | 21.2 | 17.9 |
| C.V. (%) | | 15.3 | 36.4 | 12.8 | 22.6 | 24.7 | 13.8 | 14.2 |

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.
(CONT'D)

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT COLLEGE STATION, TX 1/
2021 DATA

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

| NAME | | CANOPY HEIGHT MEASURED IN CENTIMETERS | | | | | PERCENT WEEDS COVER | | |
|-----------------|---------|---------------------------------------|------|--------|-----------|---------|---------------------|------|------|
| | | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | MAY | JUNE | JULY |
| MIDIRON | BERMUDA | 4.7 | 8.7 | 4.7 | 3.7 | 3.0 | 13.3 | 8.3 | 3.3 |
| TIFWAY | BERMUDA | 3.3 | 4.7 | 3.7 | 4.0 | 3.3 | 11.7 | 11.7 | 10.0 |
| 16-TZ-14114 | ZOYSIA | 3.7 | 8.3 | 4.0 | 3.3 | 3.3 | 13.3 | 16.7 | 6.7 |
| MEYER | ZOYSIA | 2.3 | 3.3 | 3.0 | 3.3 | 2.3 | 28.3 | 30.0 | 34.0 |
| LOBO (XZ 14069) | ZOYSIA | 2.0 | 3.0 | 2.0 | 2.3 | 2.7 | 10.0 | 8.3 | 6.7 |
| HABITURF | MIXTURE | 6.0 | 15.0 | 6.0 | 4.7 | 3.3 | 13.3 | 8.3 | 5.0 |
| CODY | BUFFALO | 5.0 | 11.7 | 5.7 | 4.0 | 3.7 | 20.0 | 13.3 | 6.7 |
| FB 1628 | BERMUDA | 3.3 | 4.0 | 3.0 | 2.7 | 2.0 | 20.0 | 21.7 | 26.7 |
| FAES 1322 | ZOYSIA | 2.3 | 2.7 | 1.7 | 3.0 | 2.0 | 13.3 | 10.0 | 11.7 |
| ASC-117 | BERMUDA | 5.0 | 11.7 | 6.0 | 8.3 | 5.3 | 60.0 | 40.0 | 76.7 |
| LSD VALUE | | 1.9 | 2.4 | 1.3 | 4.7 | 0.8 | 22.7 | 29.3 | 20.3 |
| C.V. (%) | | 28.6 | 21.0 | 20.1 | 54.3 | 16.1 | 61.4 | 79.1 | 66.0 |

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 14.

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT AT LOGAN, UT 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
PERCENT LIVING GROUND COVER FROM MAY THROUGH OCTOBER

| NAME | | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | MEAN |
|-----------------|---------|------|------|------|--------|-----------|---------|------|
| CODY | BUFFALO | 56.7 | 53.3 | 60.0 | 66.7 | 66.7 | 56.7 | 60.0 |
| MIDIRON | BERMUDA | 60.0 | 43.3 | 46.7 | 63.3 | 70.0 | 73.3 | 59.4 |
| HABITURF | MIXTURE | 53.3 | 53.3 | 53.3 | 63.3 | 66.7 | 56.7 | 57.8 |
| FB 1628 | BERMUDA | 56.7 | 46.7 | 43.3 | 60.0 | 73.3 | 60.0 | 56.7 |
| TIFWAY | BERMUDA | 46.7 | 46.7 | 30.0 | 63.3 | 70.0 | 70.0 | 54.4 |
| ASC-117 | BERMUDA | 50.0 | 50.0 | 50.0 | 70.0 | 50.0 | 50.0 | 53.3 |
| FAES 1322 | ZOYSIA | 33.3 | 36.7 | 30.0 | 43.3 | 43.3 | 46.7 | 38.9 |
| 16-TZ-14114 | ZOYSIA | 30.0 | 40.0 | 26.7 | 43.3 | 43.3 | 46.7 | 38.3 |
| MEYER | ZOYSIA | 33.3 | 30.0 | 20.0 | 43.3 | 53.3 | 50.0 | 38.3 |
| LOBO (XZ 14069) | ZOYSIA | 33.3 | 36.7 | 20.0 | 40.0 | 46.7 | 40.0 | 36.1 |
| LSD VALUE | | 17.8 | 18.6 | 17.9 | 12.1 | 13.5 | 15.2 | 9.4 |
| C.V. (%) | | 20.1 | 19.5 | 25.2 | 11.9 | 12.3 | 14.1 | 10.6 |

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 14. PERCENT LIVING GROUND COVER AND OTHER RATINGS OF WARM-SEASON CULTIVARS
(CONT'D) GROWN UNDER LOW INPUT AT LOGAN, UT 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
CANOPY HEIGHT MEASURED IN CENTIMETERS

| NAME | | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER |
|-----------------|---------|-----|------|------|--------|-----------|---------|
| CODY | BUFFALO | 8.0 | 7.3 | 7.7 | 8.0 | 7.0 | 6.7 |
| MIDIRON | BERMUDA | 7.0 | 6.7 | 8.7 | 8.0 | 7.7 | 6.7 |
| HABITURF | MIXTURE | 8.3 | 8.0 | 3.7 | 19.3 | 8.7 | 7.7 |
| FB 1628 | BERMUDA | 6.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.3 |
| TIFWAY | BERMUDA | 7.7 | 7.7 | 6.3 | 8.0 | 8.0 | 7.0 |
| ASC-117 | BERMUDA | 8.0 | 8.0 | 1.0 | 19.0 | 1.0 | 8.0 |
| FAES 1322 | ZOYSIA | 6.3 | 6.3 | 6.7 | 7.3 | 7.0 | 7.0 |
| 16-TZ-14114 | ZOYSIA | 7.0 | 6.7 | 7.7 | 7.3 | 7.3 | 7.0 |
| MEYER | ZOYSIA | 7.7 | 7.0 | 5.7 | 9.0 | 14.3 | 7.0 |
| LOBO (XZ 14069) | ZOYSIA | 6.3 | 5.7 | 6.0 | 7.0 | 7.0 | 7.0 |
| LSD VALUE | | 0.8 | 1.4 | 7.6 | 10.0 | 10.7 | 1.9 |
| C.V. (%) | | 6.2 | 10.0 | 44.0 | 49.0 | 51.3 | 9.9 |

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

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

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR WARM-SEASON CULTIVARS
GROWN UNDER LOW INPUT
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

| NAME | | QUALITY | |
|-----------------|---------|---------|--------------------------|
| | | MEAN 1/ | MAXIMUM IN TOP 25% 2/ |
| 16-TZ-14114 | ZOYSIA | 5.1 | 25.0 |
| ASC-117 | BERMUDA | 3.2 | 0.0 |
| CODY | BUFFALO | 4.2 | 12.5 |
| FAES 1322 | ZOYSIA | 4.7 | 12.5 |
| FB 1628 | BERMUDA | 5.0 | 12.5 |
| HABITURF | MIXTURE | 4.2 | 0.0 |
| LOBO (XZ 14069) | ZOYSIA | 5.3 | 75.0 |
| MEYER | ZOYSIA | 4.8 | 25.0 |
| MIDIRON | BERMUDA | 4.7 | 37.5 |
| TIFWAY | BERMUDA | 5.2 | 25.0 |
| LSD VALUE | | 0.3 | |
| C.V. (%) | | 12.7 | |

*/ 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.