## NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

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

### CURRENT POLICY COMMITTEE MEMBERS:

Mr. Bill Dunn, Seed Research of Oregon, Inc.
Mr. Ryan Jeffries, Columbia Seeds, Inc.
Dr. Mike Kenna, USGA Green Section
Dr. Jason Kruse, University of Florida
Dr. David Kopec, University of Arizona
Mr. Gary Wilbur, Oakwood Sod Farms
Mr. Mark Johnson, Golf Course Superintendents Assoc. of America
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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*.

**2014 NATIONAL FINELEAF FESCUE TEST**

**LOCATIONS SUBMITTING DATA FOR 2016**

| State | Location | Code |
|---|---|---|
| California | Riverside (No Mowing) | CA3 |
| California | San Francisco (California Golf Club) | CA5 |
| Connecticut | Storrs | CT1 |
| Connecticut | Storrs (Traffic Study) | CT1 |
| Illinois | Urbana | IL1 |
| Illinois | Carbondale (Shade) | IL2 |
| Indiana | West Lafayette (Fairway Mowing) | IN1 |
| Massachusetts | Amherst (Traffic Study) | MA1 |
| Maryland | College Park | MD1 |
| Michigan | East Lansing | MI1 |
| Michigan | East Lansing (Fairway Mowing) | MI2 |
| Michigan | East Lansing (Fairway/Traffic) | MI3 |
| Minnesota | St. Paul (Fairway Mowing) | MN1 |
| Minnesota | St. Paul | MN2 |
| Minnesota | St. Paul (Fairway Mowing/Traffic) | MN3 |
| Missouri | Columbia | MO1 |
| New Jersey | North Brunswick | NJ1 |
| New Jersey | Adelphia | NJ2 |
| North Carolina | Raleigh | NC1 |
| North Dakota | Fargo | ND1 |
| Oregon | Corvallis | OR1 |
| Oregon | Corvallis (Traffic Study) | OR2 |
| Washington | Pullman | WA1 |

# 2014 NATIONAL FINELEAF FESCUE TEST
## Entries and Sponsors

| Entry No | Name | Species | Sponsor |
|---|---|---|---|
| 1 | Minimus | Hard Fescue | Landmark Turf & Native Seed |
| *2 | Marvel | Strong Creeping Red | Landmark Turf & Native Seed |
| 3 | 7C34 | Strong Creeping Red | Brett Young Seeds Ltd |
| 4 | DLFPS-FL/3066 | Hard Fescue | DLF Pickseed USA |
| 5 | DLFPS-FRC/3060 | ChewingsFescue | DLF Pickseed USA |
| 6 | DLFPS-FL/3060 | Hard Fescue | DLF Pickseed USA |
| 7 | DLFPS-FRR/3069 | Strong Creeping Red | DLF Pickseed USA |
| 8 | MNHD-14 | Hard Fescue | University of Minnesota |
| 9 | DLFPS-FRR/3068 | Strong Creeping Red | DLF Pickseed USA |
| *10 | Quatro | Sheep Fescue | Standard |
| *11 | Boreal | Strong Creeping Red | Standard |
| *12 | Gladiator (TH456) | Hard Fescue | Columbia River Seed |
| 13 | Resolute (7H7) | Hard Fescue | SiteOne Landscape Supply |
| *14 | Sword | Hard Fescue | Columbia River Seed |
| *15 | Seabreeze GT | Slender Creeping Red | Standard |
| *16 | Radar | Chewings Fescue | Standard |
| *17 | Beacon | Hard Fescue | Standard |
| *18 | Navigator II | Strong Creeping Red | Standard |
| 19 | Jetty (PPG-FL 106) | Hard Fescue | Mountain View Seeds |
| 20 | PPG-FRC 114 | Chewings Fescue | The Scotts Company |
| 21 | SeaMist (PPG-FRT 101) | Slender Creeping Red | Mountain View Seeds |
| 22 | Cardinal II (PPG-FRR 111) | Strong Creeping Red | Mountain View Seeds |
| 23 | Compass II (PPG-FRC 113) | Chewings Fescue | Mountain View Seeds |
| *24 | Kent | Strong Creeping Red | Columbia Seeds |
| 25 | Castle (RAD-FC32) | Chewings Fescue | Columbia Seeds |
| 26 | BAR FRT 5002 | Slender Creeping Red | Barenburg USA |
| 27 | BAR VV-VP3-CT | Chewings Fescue | Barenburg USA |
| 28 | BAR 6FR 126 | Chewings Fescue | Barenburg USA |
| 29 | C14-OS3 | Strong Creeping Red | The Scotts Company |
| 30 | RAD-FR33R | Strong Creeping Red | Brett Young Seed LTD |
| *31 | RAD-FC44 | Chewings Fescue | Bailey Seed Company |
| *32 | RAD-FR47 | Creeping Red Fescue | Bailey Seed Company |
| 33 | PST-4DR4 | Creeping Red Fescue | Pure Seed Testing Inc. |
| 34 | PST-4RUE | Creeping Red Fescue | Pure Seed Testing Inc. |
| 35 | PST-4BEN | Creeping Red Fescue | Pure Seed Testing Inc. |
| 36 | PST-4BND | Hard Fescue | Pure Seed Testing Inc. |
| 37 | PST-4ED4 | Creeping Red Fescue | Pure Seed Testing Inc. |
| 38 | DLFPS-FRC/3057 | Chewings Fescue | DLF Pickseed USA |
| *39 | Cascade | Chewings Fescue | Standard |
| 40 | DLF-FRC 3338 | Chewings Fescue | DLF Pickseed USA |
| 41 | DLF-FRR 6162 | Creeping Red Fescue | DLF Pickseed USA |
| *42 | Beudin | Hard Fescue | DLF Pickseed USA |

*** Commercially Available in the USA in 2017**

TABLE A. 2016 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2014 NATIONAL FINELEAF FESCUE 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 | 61-150 | 151-240 | 1.1-2.0 | FULL SUN | 4.1+ | TO PREVENT STRESS |
| CA5 | SANDY LOAM | 6.6-7.0 | 61-150 | 151-240 | 1.1-2.0 | PARTIAL SHADE | 0.0-0.5 | ONLY DURING SEVERE STRESS |
| CT1 | SANDY LOAM | 6.1-6.5 | 0-60 | 151-240 | - | FULL SUN | 0.0-0.5 | TO PREVENT DORMANCY |
| CT2 | SANDY LOAM | 6.1-6.5 | 0-60 | 151-240 | - | FULL SUN | 0.0-0.5 | TO PREVENT DORMANCY |
| IL1 | SILT LOAM AND SILT | 6.1-6.5 | 0-60 | 376-500 | 1.1-2.0 | FULL SUN | 2.6-3.0 | NO IRRIGATION |
| IL2 | SILTY CLAY LOAM | 6.1-6.5 | 0-60 | 241-375 | 1.1-2.0 | UNIFORM SHADE | 2.1-2.5 | NO IRRIGATION |
| IN1 | SILT LOAM AND SILT | 7.1-7.5 | 61-150 | 151-240 | 2.1-3.0 | FULL SUN | 0.0-0.5 | ONLY DURING SEVERE STRESS |
| MA1 | LOAM | 5.6-6.0 | 0-60 | 241-375 | 1.1-2.0 | FULL SUN | 1.6-2.0 | TO PREVENT STRESS |
| MD1 | SILT LOAM AND SILT | 6.1-6.5 | 61-150 | 151-240 | 0.0-1.0 | FULL SUN | 3.1-3.5 | NO IRRIGATION |
| MI1 | - | - | - | - | - | - | - | - |
| MI2 | - | - | - | - | - | - | - | - |
| MI3 | - | - | - | - | - | - | - | - |
| MN1 | SILTY CLAY LOAM | 6.6-7.0 | 61-150 | 241-375 | 0.0-1.0 | FULL SUN | 0.0-0.5 | NO IRRIGATION |
| MN2 | SILTY CLAY LOAM | 6.1-6.5 | 61-150 | 241-375 | 0.0-1.0 | FULL SUN | 2.1-2.5 | NO IRRIGATION |
| MN3 | SILTY CLAY LOAM | 6.6-7.0 | 61-150 | 241-375 | 0.0-1.0 | FULL SUN | 0.0-0.5 | NO IRRIGATION |
| MO1 | SILT LOAM AND SILT | 6.1-6.5 | 61-150 | 376-500 | 0.0-1.0 | FULL SUN | 2.1-2.5 | ONLY DURING SEVERE STRESS |
| NC1 | SILTY CLAY LOAM | 6.1-6.5 | 61-150 | 0-150 | 0.0-1.0 | FULL SUN | 3.1-3.5 | TO PREVENT DORMANCY |
| ND1 | SILTY CLAY AND CLAY | 7.1-7.5 | 0-60 | 151-240 | 2.1-3.0 | FULL SUN | 1.6-2.0 | TO PREVENT DORMANCY |
| NJ1 | LOAM | 6.1-6.5 | 151-270 | 241-375 | 1.1-2.0 | PARTIAL SHADE | 2.1-2.5 | TO PREVENT STRESS |
| NJ2 | SANDY LOAM | 6.6-7.0 | 271-450 | 241-375 | 1.1-2.0 | FULL SUN | 2.1-2.5 | TO PREVENT STRESS |
| OR1 | - | - | - | - | - | - | - | - |
| OR2 | - | - | - | - | - | - | - | - |
| WA1 | SILT LOAM AND SILT | 5.6-6.0 | 451+ | 501+ | 2.1-3.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |

TABLE B. LOCATIONS AND DATA COLLECTED IN 2016

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CA3 | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CA5 | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| CT1 | | | | X | X | X | X | X | X | X | X | | | X |
| CT2 | | | | X | X | X | X | X | X | X | X | | | X |
| IL1 | | | | X | X | X | X | X | X | X | | | | X |
| IL2 | | | X | X | X | X | X | X | X | X | X | | | |
| IN1 | | | | | X | X | X | X | X | X | | | | |
| MA1 | | | | X | X | X | X | X | X | X | X | X | | |
| MD1 | | | | X | X | X | X | X | X | X | X | | | |
| MI1 | | | | X | X | X | X | X | X | X | | | X | X |
| MI2 | | | | X | X | X | X | X | X | X | | | X | X |
| MI3 | | | | X | X | X | X | X | X | X | | | X | X |
| MN1 | | | | X | X | X | X | X | X | X | | | X | X |
| MN2 | | | | X | X | X | X | X | X | X | | | X | |
| MN3 | | | | X | X | X | X | X | X | X | | | X | X |
| MO1 | | | X | X | X | X | X | X | X | X | | | X | |
| NC1 | X | X | X | X | X | X | X | X | X | X | X | | X | X |
| ND1 | | | | | X | X | X | X | X | | | | | X |
| NJ1 | | | | X | X | X | X | X | X | X | | | | X |
| NJ2 | | | | X | X | X | X | X | X | X | | | X | |
| OR1 | X | X | X | X | X | X | X | X | X | X | X | X | | X |
| OR2 | | | | X | X | X | X | X | X | X | X | X | | X |
| WA1 | | | | X | X | X | X | X | X | X | | | X | X |

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2016

| LOCATION | SPRING DENSITY | SUMMER DENSITY | FALL DENSITY | PERCENT COVER SPRING | PERCENT COVER SUMMER | PERCENT COVER FALL | WINTER COLOR | DROUGHT TOLERANCE DORMANCY | LEAF SPOT | STEM RUST | DOLLAR SPOT | RED THREAD | BROWN PATCH WARM TEMP. | SUMMER PATCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CA3 | | X | | | | | | | | | | | | |
| CA5 | X | X | X | | | | | | | | | X | | |
| CT1 | | | | X | X | X | | | | | X | X | | |
| CT2 | | | | X | X | X | | | | | X | X | | |
| IL1 | | | | | | | | | | | | | | |
| IL2 | | | | X | X | | | | | | | | | |
| IN1 | | X | | | | | | | | | X | | | |
| MA1 | | | | | | | | | | | | | | |
| MD1 | | | | | | | X | | | | | X | | X |
| MI1 | | | | | | X | | X | | | | X | | |
| MI2 | | | | | | X | | X | | | X | X | | |
| MI3 | | | | | | X | | X | | | X | X | | |
| MN1 | | | | | | X | | | | | X | | | |
| MN2 | | | | | | X | | | | | | X | | |
| MN3 | | | | | | X | | | | | X | | | |
| MO1 | | | | X | X | X | | | | | | | | |
| NC1 | X | X | X | X | X | X | X | | | | | | X | |
| ND1 | X | X | X | X | X | X | | | | | | | | |
| NJ1 | | | | | | | | | X | | X | | | X |
| NJ2 | | | | | | X | | | X | | | | | |
| OR1 | | | | X | X | X | | | | | | | | |
| OR2 | | | | X | X | X | | | | | | | | |
| WA1 | | | | | | X | | | | | | | | |

TABLE B. LOCATIONS AND DATA COLLECTED IN 2016
(CONT'D)

| LOCATION | CHINCH BUGS | FALL COLOR OCTOBER | PERCENT POA ANNUA | WEAR TOLERANCE RATINGS MAY | JULY | SEPTEMBER |
|---|---|---|---|---|---|---|
| CA3 | | | | | | |
| CA5 | | X | | | | |
| CT1 | | | | | | |
| CT2 | | | | | | |
| IL1 | | | | | | |
| IL2 | | | | | | |
| IN1 | | | X | | | |
| MA1 | | | | X | X | X |
| MD1 | | | | | | |
| MI1 | | | | | | |
| MI2 | | | | | | |
| MI3 | | | | | | |
| MN1 | | | | | | |
| MN2 | | | | | | |
| MN3 | | | | | | |
| MO1 | | | | | | |
| NC1 | | | | | | |
| ND1 | | | | | | |
| NJ1 | X | | | | | |
| NJ2 | | | | | | |
| OR1 | | | | | | |
| OR2 | | | | | | |
| WA1 | | | | | | |

TABLE 1A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 **/
2016 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME | ENTRY NUMBER | NJ1 | IL1 | MI1 | ND1 | WA1 | OR1 | MEAN |
|---|---|---|---|---|---|---|---|---|
| * GLADIATOR (TH456) | 12 | 7.1 | 5.3 | 6.2 | 6.4 | 5.2 | 6.6 | 6.1 |
| MINIMUS | 1 | 7.7 | 4.7 | 6.0 | 6.1 | 4.9 | 6.2 | 5.9 |
| * RESOLUTE (7H7) | 13 | 7.0 | 4.8 | 6.2 | 6.1 | 5.0 | 6.4 | 5.9 |
| * JETTY (PPG-FL 106) | 19 | 7.4 | 4.6 | 6.0 | 5.9 | 4.8 | 6.0 | 5.8 |
| DLFPS-FL/3066 | 4 | 6.8 | 4.3 | 6.1 | 6.1 | 5.0 | 6.3 | 5.8 |
| MNHD-14 | 8 | 7.0 | 4.3 | 6.0 | 6.0 | 4.8 | 6.2 | 5.7 |
| * BEACON | 17 | 6.6 | 4.7 | 5.9 | 6.0 | 4.8 | 6.2 | 5.7 |
| * SWORD | 14 | 7.0 | 4.3 | 5.8 | 6.0 | 4.8 | 6.1 | 5.7 |
| PST-4BEN | 35 | 6.9 | 5.4 | 5.2 | 6.0 | 4.1 | 6.2 | 5.6 |
| DLF-FRR 6162 | 41 | 6.9 | 5.4 | 5.1 | 6.0 | 4.1 | 6.3 | 5.6 |
| 7C34 | 3 | 6.5 | 5.6 | 5.1 | 6.1 | 4.1 | 6.4 | 5.6 |
| PST-4BND | 36 | 6.5 | 4.6 | 5.6 | 6.1 | 4.7 | 6.1 | 5.6 |
| * CARDINAL II (PPG-FRR 111) | 22 | 7.3 | 5.4 | 5.2 | 5.8 | 3.9 | 6.1 | 5.6 |
| DLFPS-FL/3060 | 6 | 6.8 | 3.9 | 6.0 | 5.8 | 4.8 | 6.1 | 5.6 |
| C14-OS3 | 29 | 6.7 | 5.1 | 5.6 | 5.6 | 4.0 | 6.4 | 5.6 |
| * RADAR | 16 | 6.3 | 4.9 | 5.4 | 5.5 | 3.9 | 6.4 | 5.4 |
| * COMPASS II (PPG-FRC 113) | 23 | 6.3 | 5.1 | 5.5 | 5.4 | 3.8 | 6.3 | 5.4 |
| PST-4RUE | 34 | 6.4 | 5.1 | 4.9 | 5.9 | 4.0 | 6.1 | 5.4 |
| DLFPS-FRC/3057 | 38 | 6.3 | 5.5 | 5.4 | 5.2 | 3.6 | 6.1 | 5.3 |
| DLF-FRC 3338 | 40 | 6.2 | 4.9 | 5.4 | 5.3 | 3.8 | 6.2 | 5.3 |
| DLFPS-FRR/3068 | 9 | 5.7 | 4.8 | 4.9 | 5.9 | 4.0 | 6.1 | 5.2 |
| PST-4DR4 | 33 | 6.2 | 4.5 | 4.9 | 5.8 | 4.0 | 6.0 | 5.2 |
| * QUATRO | 10 | 6.4 | 1.8 | 5.6 | 6.2 | 5.0 | 6.0 | 5.2 |
| PST-4ED4 | 37 | 6.6 | 4.9 | 4.8 | 5.4 | 3.6 | 5.7 | 5.2 |
| PPG-FRC 114 | 20 | 6.5 | 3.4 | 5.5 | 5.3 | 4.0 | 6.1 | 5.1 |
| DLFPS-FRC/3060 | 5 | 5.5 | 3.1 | 5.3 | 5.8 | 4.3 | 6.2 | 5.0 |
| * MARVEL | 2 | 4.7 | 5.2 | 4.6 | 5.8 | 3.8 | 6.2 | 5.0 |
| * NAVIGATOR II | 18 | 5.6 | 4.5 | 4.6 | 5.7 | 3.7 | 6.0 | 5.0 |
| * RAD-FR47 | 32 | 4.9 | 5.1 | 4.5 | 5.8 | 3.7 | 6.1 | 5.0 |
| * CASTLE (RAD-FC32) | 25 | 4.1 | 5.3 | 4.8 | 5.7 | 3.8 | 6.4 | 5.0 |
| * CASCADE | 39 | 6.0 | 3.7 | 4.8 | 5.6 | 3.8 | 5.9 | 5.0 |
| RAD-FR33R | 30 | 4.6 | 4.8 | 4.5 | 5.8 | 3.8 | 6.1 | 4.9 |
| * KENT | 24 | 4.8 | 4.2 | 4.5 | 5.7 | 3.7 | 5.9 | 4.8 |
| * RAD-FC44 | 31 | 4.2 | 3.7 | 4.9 | 5.6 | 3.9 | 6.2 | 4.8 |
| * SEABREEZE GT | 15 | 4.1 | 3.1 | 4.8 | 6.0 | 4.3 | 6.1 | 4.8 |
| DLFPS-FRR/3069 | 7 | 5.5 | 3.2 | 4.7 | 5.5 | 3.8 | 5.8 | 4.7 |
| * SEAMIST (PPG-FRT 101) | 21 | 5.0 | 2.0 | 5.2 | 5.4 | 4.1 | 6.0 | 4.6 |
| BAR 6FR 126 | 28 | 3.5 | 1.9 | 5.1 | 6.1 | 4.6 | 6.4 | 4.6 |
| BAR VV-VP3-CT | 27 | 3.6 | 2.1 | 5.0 | 5.8 | 4.3 | 6.2 | 4.5 |
| * BEUDIN | 42 | 3.5 | 2.3 | 4.7 | 5.9 | 4.3 | 6.1 | 4.5 |
| * BOREAL | 11 | 4.2 | 2.5 | 4.4 | 5.7 | 4.0 | 5.7 | 4.4 |
| BAR FRT 5002 | 26 | 2.7 | 2.0 | 4.5 | 5.8 | 4.2 | 6.0 | 4.2 |
| LSD VALUE | | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | | 9.4 | 13.0 | 10.4 | 9.4 | 12.9 | 8.8 | 10.4 |

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2017
**/ 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 1B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 */
2016 DATA

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

| NAME | NJ1 | IL1 | MI1 | ND1 | WA1 | OR1 | MEAN |
|---|---|---|---|---|---|---|---|
| RADAR | 6.3 | 4.9 | 5.4 | 5.5 | 3.9 | 6.4 | 5.4 |
| COMPASS II (PPG-FRC 113) | 6.3 | 5.1 | 5.5 | 5.4 | 3.8 | 6.3 | 5.4 |
| DLFPS-FRC/3057 | 6.3 | 5.5 | 5.4 | 5.2 | 3.6 | 6.1 | 5.3 |
| DLF-FRC 3338 | 6.2 | 4.9 | 5.4 | 5.3 | 3.8 | 6.2 | 5.3 |
| PPG-FRC 114 | 6.5 | 3.4 | 5.5 | 5.3 | 4.0 | 6.1 | 5.1 |
| DLFPS-FRC/3060 | 5.5 | 3.1 | 5.3 | 5.8 | 4.3 | 6.2 | 5.0 |
| CASTLE (RAD-FC32) | 4.1 | 5.3 | 4.8 | 5.7 | 3.8 | 6.4 | 5.0 |
| CASCADE | 6.0 | 3.7 | 4.8 | 5.6 | 3.8 | 5.9 | 5.0 |
| RAD-FC44 | 4.2 | 3.7 | 4.9 | 5.6 | 3.9 | 6.2 | 4.8 |
| BAR 6FR 126 | 3.5 | 1.9 | 5.1 | 6.1 | 4.6 | 6.4 | 4.6 |
| BAR VV-VP3-CT | 3.6 | 2.1 | 5.0 | 5.8 | 4.3 | 6.2 | 4.5 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 10.2 | 13.7 | 10.5 | 9.7 | 13.6 | 8.7 | 10.8 |

*/ 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 1C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 */
2016 DATA

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

| NAME | NJ1 | IL1 | MI1 | ND1 | WA1 | OR1 | MEAN |
|---|---|---|---|---|---|---|---|
| PST-4BEN | 6.9 | 5.4 | 5.2 | 6.0 | 4.1 | 6.2 | 5.6 |
| DLF-FRR 6162 | 6.9 | 5.4 | 5.1 | 6.0 | 4.1 | 6.3 | 5.6 |
| 7C34 | 6.5 | 5.6 | 5.1 | 6.1 | 4.1 | 6.4 | 5.6 |
| CARDINAL II (PPG-FRR 111) | 7.3 | 5.4 | 5.2 | 5.8 | 3.9 | 6.1 | 5.6 |
| C14-OS3 | 6.7 | 5.1 | 5.6 | 5.6 | 4.0 | 6.4 | 5.6 |
| PST-4RUE | 6.4 | 5.1 | 4.9 | 5.9 | 4.0 | 6.1 | 5.4 |
| DLFPS-FRR/3068 | 5.7 | 4.8 | 4.9 | 5.9 | 4.0 | 6.1 | 5.2 |
| PST-4DR4 | 6.2 | 4.5 | 4.9 | 5.8 | 4.0 | 6.0 | 5.2 |
| PST-4ED4 | 6.6 | 4.9 | 4.8 | 5.4 | 3.6 | 5.7 | 5.2 |
| MARVEL | 4.7 | 5.2 | 4.6 | 5.8 | 3.8 | 6.2 | 5.0 |
| NAVIGATOR II | 5.6 | 4.5 | 4.6 | 5.7 | 3.7 | 6.0 | 5.0 |
| RAD-FR47 | 4.9 | 5.1 | 4.5 | 5.8 | 3.7 | 6.1 | 5.0 |
| RAD-FR33R | 4.6 | 4.8 | 4.5 | 5.8 | 3.8 | 6.1 | 4.9 |
| KENT | 4.8 | 4.2 | 4.5 | 5.7 | 3.7 | 5.9 | 4.8 |
| DLFPS-FRR/3069 | 5.5 | 3.2 | 4.7 | 5.5 | 3.8 | 5.8 | 4.7 |
| BOREAL | 4.2 | 2.5 | 4.4 | 5.7 | 4.0 | 5.7 | 4.4 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 9.4 | 11.5 | 11.4 | 9.4 | 14.0 | 9.0 | 10.5 |

*/ 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 1D. TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 */
2016 DATA

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

| NAME | NJ1 | IL1 | MI1 | ND1 | WA1 | OR1 | MEAN |
|---|---|---|---|---|---|---|---|
| GLADIATOR (TH456) | 7.1 | 5.3 | 6.2 | 6.4 | 5.2 | 6.6 | 6.1 |
| MINIMUS | 7.7 | 4.7 | 6.0 | 6.1 | 4.9 | 6.2 | 5.9 |
| RESOLUTE (7H7) | 7.0 | 4.8 | 6.2 | 6.1 | 5.0 | 6.4 | 5.9 |
| JETTY (PPG-FL 106) | 7.4 | 4.6 | 6.0 | 5.9 | 4.8 | 6.0 | 5.8 |
| DLFPS-FL/3066 | 6.8 | 4.3 | 6.1 | 6.1 | 5.0 | 6.3 | 5.8 |
| MNHD-14 | 7.0 | 4.3 | 6.0 | 6.0 | 4.8 | 6.2 | 5.7 |
| BEACON | 6.6 | 4.7 | 5.9 | 6.0 | 4.8 | 6.2 | 5.7 |
| SWORD | 7.0 | 4.3 | 5.8 | 6.0 | 4.8 | 6.1 | 5.7 |
| PST-4BND | 6.5 | 4.6 | 5.6 | 6.1 | 4.7 | 6.1 | 5.6 |
| DLFPS-FL/3060 | 6.8 | 3.9 | 6.0 | 5.8 | 4.8 | 6.1 | 5.6 |
| QUATRO | 6.4 | 1.8 | 5.6 | 6.2 | 5.0 | 6.0 | 5.2 |
| BEUDIN | 3.5 | 2.3 | 4.7 | 5.9 | 4.3 | 6.1 | 4.5 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 8.2 | 12.9 | 9.3 | 9.0 | 11.4 | 8.8 | 9.7 |

TABLE 1E. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 */
2016 DATA

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

| NAME | NJ1 | IL1 | MI1 | ND1 | WA1 | OR1 | MEAN |
|---|---|---|---|---|---|---|---|
| SEABREEZE GT | 4.1 | 3.1 | 4.8 | 6.0 | 4.3 | 6.1 | 4.8 |
| SEAMIST (PPG-FRT 101) | 5.0 | 2.0 | 5.2 | 5.4 | 4.1 | 6.0 | 4.6 |
| BAR FRT 5002 | 2.7 | 2.0 | 4.5 | 5.8 | 4.2 | 6.0 | 4.2 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 13.7 | 23.0 | 11.2 | 9.4 | 12.9 | 9.0 | 12.0 |

*/ 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 2A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME | CT1 | NC1 | MO1 | MEAN |
|---|---|---|---|---|
| RADAR | 7.4 | 5.4 | 6.0 | 6.3 |
| COMPASS II (PPG-FRC 113) | 7.5 | 5.2 | 6.0 | 6.2 |
| C14-OS3 | 7.3 | 5.3 | 5.9 | 6.2 |
| PPG-FRC 114 | 7.2 | 5.3 | 5.5 | 6.0 |
| DLF-FRC 3338 | 7.2 | 4.5 | 5.6 | 5.8 |
| DLFPS-FRC/3057 | 7.0 | 4.1 | 5.5 | 5.5 |
| RAD-FC44 | 7.0 | 3.7 | 5.5 | 5.4 |
| 7C34 | 5.8 | 4.6 | 5.5 | 5.3 |
| SEAMIST (PPG-FRT 101) | 6.7 | 4.1 | 5.0 | 5.3 |
| CASCADE | 5.7 | 4.9 | 5.1 | 5.2 |
| CARDINAL II (PPG-FRR 111) | 5.5 | 4.8 | 5.2 | 5.2 |
| DLFPS-FRC/3060 | 6.3 | 3.9 | 5.1 | 5.1 |
| DLF-FRR 6162 | 5.4 | 4.6 | 5.3 | 5.1 |
| PST-4BEN | 5.4 | 4.5 | 5.2 | 5.0 |
| DLFPS-FRR/3069 | 5.6 | 4.4 | 4.9 | 5.0 |
| CASTLE (RAD-FC32) | 6.7 | 2.8 | 5.4 | 5.0 |
| NAVIGATOR II | 5.5 | 4.1 | 5.1 | 4.9 |
| BAR VV-VP3-CT | 6.8 | 2.8 | 5.0 | 4.9 |
| BAR 6FR 126 | 6.7 | 2.7 | 5.0 | 4.8 |
| DLFPS-FRR/3068 | 5.5 | 3.6 | 5.0 | 4.7 |
| MARVEL | 5.8 | 3.2 | 5.2 | 4.7 |
| PST-4DR4 | 5.2 | 4.0 | 4.9 | 4.7 |
| PST-4RUE | 5.1 | 4.0 | 4.9 | 4.7 |
| RAD-FR47 | 5.5 | 3.2 | 5.0 | 4.6 |
| KENT | 5.4 | 3.3 | 4.8 | 4.5 |
| RAD-FR33R | 5.4 | 2.9 | 4.9 | 4.4 |
| PST-4ED4 | 4.7 | 3.6 | 4.5 | 4.3 |
| BAR FRT 5002 | 5.9 | 1.6 | 4.4 | 4.0 |
| BEUDIN | 5.5 | 1.9 | 4.4 | 3.9 |
| SEABREEZE GT | 5.3 | 1.9 | 4.4 | 3.9 |
| BOREAL | 4.8 | 2.5 | 4.2 | 3.8 |
| QUATRO | 4.4 | 2.6 | 3.8 | 3.6 |
| DLFPS-FL/3060 | 5.1 | 1.5 | 4.0 | 3.6 |
| DLFPS-FL/3066 | 5.0 | 1.5 | 4.2 | 3.6 |
| MINIMUS | 4.3 | 2.1 | 4.0 | 3.5 |
| GLADIATOR (TH456) | 4.9 | 1.3 | 4.3 | 3.5 |
| RESOLUTE (7H7) | 4.9 | 1.2 | 4.1 | 3.4 |
| BEACON | 4.9 | 1.2 | 4.1 | 3.4 |
| MNHD-14 | 4.7 | 1.3 | 3.9 | 3.3 |
| SWORD | 4.4 | 1.3 | 3.8 | 3.2 |
| JETTY (PPG-FL 106) | 4.3 | 1.2 | 3.7 | 3.0 |
| PST-4BND | 4.1 | 0.8 | 3.7 | 2.9 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 9.6 | 17.1 | 11.3 | 11.9 |

*/ 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 2B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

| NAME | CT1 | NC1 | MO1 | MEAN |
|---|---|---|---|---|
| RADAR | 7.4 | 5.4 | 6.0 | 6.3 |
| COMPASS II (PPG-FRC 113) | 7.5 | 5.2 | 6.0 | 6.2 |
| PPG-FRC 114 | 7.2 | 5.3 | 5.5 | 6.0 |
| DLF-FRC 3338 | 7.2 | 4.5 | 5.6 | 5.8 |
| DLFPS-FRC/3057 | 7.0 | 4.1 | 5.5 | 5.5 |
| RAD-FC44 | 7.0 | 3.7 | 5.5 | 5.4 |
| CASCADE | 5.7 | 4.9 | 5.1 | 5.2 |
| DLFPS-FRC/3060 | 6.3 | 3.9 | 5.1 | 5.1 |
| CASTLE (RAD-FC32) | 6.7 | 2.8 | 5.4 | 5.0 |
| BAR VV-VP3-CT | 6.8 | 2.8 | 5.0 | 4.9 |
| BAR 6FR 126 | 6.7 | 2.7 | 5.0 | 4.8 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 7.9 | 13.2 | 10.0 | 9.9 |

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS 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 2C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

| NAME | CT1 | NC1 | MO1 | MEAN |
|---|---|---|---|---|
| C14-OS3 | 7.3 | 5.3 | 5.9 | 6.2 |
| 7C34 | 5.8 | 4.6 | 5.5 | 5.3 |
| CARDINAL II (PPG-FRR 111) | 5.5 | 4.8 | 5.2 | 5.2 |
| DLF-FRR 6162 | 5.4 | 4.6 | 5.3 | 5.1 |
| PST-4BEN | 5.4 | 4.5 | 5.2 | 5.0 |
| DLFPS-FRR/3069 | 5.6 | 4.4 | 4.9 | 5.0 |
| NAVIGATOR II | 5.5 | 4.1 | 5.1 | 4.9 |
| DLFPS-FRR/3068 | 5.5 | 3.6 | 5.0 | 4.7 |
| MARVEL | 5.8 | 3.2 | 5.2 | 4.7 |
| PST-4DR4 | 5.2 | 4.0 | 4.9 | 4.7 |
| PST-4RUE | 5.1 | 4.0 | 4.9 | 4.7 |
| RAD-FR47 | 5.5 | 3.2 | 5.0 | 4.6 |
| KENT | 5.4 | 3.3 | 4.8 | 4.5 |
| RAD-FR33R | 5.4 | 2.9 | 4.9 | 4.4 |
| PST-4ED4 | 4.7 | 3.6 | 4.5 | 4.3 |
| BOREAL | 4.8 | 2.5 | 4.2 | 3.8 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 9.9 | 13.9 | 10.8 | 11.3 |

*/ 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 2D. TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

| NAME | CT1 | NC1 | MO1 | MEAN |
|---|---|---|---|---|
| BEUDIN | 5.5 | 1.9 | 4.4 | 3.9 |
| QUATRO | 4.4 | 2.6 | 3.8 | 3.6 |
| DLFPS-FL/3060 | 5.1 | 1.5 | 4.0 | 3.6 |
| DLFPS-FL/3066 | 5.0 | 1.5 | 4.2 | 3.6 |
| MINIMUS | 4.3 | 2.1 | 4.0 | 3.5 |
| GLADIATOR (TH456) | 4.9 | 1.3 | 4.3 | 3.5 |
| RESOLUTE (7H7) | 4.9 | 1.2 | 4.1 | 3.4 |
| BEACON | 4.9 | 1.2 | 4.1 | 3.4 |
| MNHD-14 | 4.7 | 1.3 | 3.9 | 3.3 |
| SWORD | 4.4 | 1.3 | 3.8 | 3.2 |
| JETTY (PPG-FL 106) | 4.3 | 1.2 | 3.7 | 3.0 |
| PST-4BND | 4.1 | 0.8 | 3.7 | 2.9 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 11.5 | 36.2 | 13.5 | 15.9 |

TABLE 2E. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

| NAME | CT1 | NC1 | MO1 | MEAN |
|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 6.7 | 4.1 | 5.0 | 5.3 |
| BAR FRT 5002 | 5.9 | 1.6 | 4.4 | 4.0 |
| SEABREEZE GT | 5.3 | 1.9 | 4.4 | 3.9 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 9.1 | 21.5 | 11.8 | 12.5 |

*/ 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 3A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME | NJ2 | MD1 | MN2 | MEAN |
|---|---|---|---|---|
| RESOLUTE (7H7) | 5.9 | 6.1 | 7.0 | 6.4 |
| DLFPS-FL/3060 | 5.5 | 5.9 | 7.1 | 6.2 |
| GLADIATOR (TH456) | 5.9 | 5.9 | 6.7 | 6.2 |
| JETTY (PPG-FL 106) | 5.7 | 6.0 | 6.7 | 6.1 |
| DLFPS-FL/3066 | 5.6 | 5.8 | 6.8 | 6.0 |
| MNHD-14 | 5.5 | 5.7 | 6.6 | 5.9 |
| BEACON | 5.5 | 5.6 | 6.5 | 5.9 |
| SWORD | 5.3 | 5.5 | 6.3 | 5.7 |
| MINIMUS | 5.3 | 5.5 | 6.1 | 5.6 |
| PST-4BND | 5.2 | 5.0 | 5.8 | 5.3 |
| DLFPS-FRC/3057 | 4.7 | 5.0 | 6.2 | 5.3 |
| DLF-FRC 3338 | 4.5 | 4.8 | 6.2 | 5.2 |
| C14-OS3 | 4.4 | 4.7 | 6.0 | 5.1 |
| COMPASS II (PPG-FRC 113) | 4.4 | 4.7 | 6.0 | 5.0 |
| PPG-FRC 114 | 4.0 | 4.6 | 6.2 | 4.9 |
| RADAR | 4.2 | 4.4 | 5.8 | 4.8 |
| QUATRO | 3.9 | 4.0 | 5.4 | 4.4 |
| DLFPS-FRC/3060 | 3.7 | 3.7 | 5.4 | 4.3 |
| SEAMIST (PPG-FRT 101) | 3.4 | 3.6 | 5.6 | 4.2 |
| CARDINAL II (PPG-FRR 111) | 4.0 | 3.8 | 4.5 | 4.1 |
| CASTLE (RAD-FC32) | 3.9 | 3.3 | 4.9 | 4.1 |
| BAR VV-VP3-CT | 3.4 | 3.1 | 5.4 | 4.0 |
| RAD-FC44 | 3.5 | 3.3 | 5.2 | 4.0 |
| PST-4BEN | 3.9 | 3.6 | 4.4 | 4.0 |
| BAR 6FR 126 | 3.4 | 3.0 | 5.4 | 3.9 |
| 7C34 | 3.9 | 3.4 | 4.3 | 3.8 |
| DLF-FRR 6162 | 3.8 | 3.4 | 4.2 | 3.8 |
| PST-4ED4 | 3.7 | 3.4 | 4.2 | 3.8 |
| DLFPS-FRR/3068 | 3.7 | 3.2 | 4.3 | 3.7 |
| SEABREEZE GT | 3.5 | 2.8 | 4.5 | 3.6 |
| PST-4RUE | 3.6 | 3.1 | 4.0 | 3.6 |
| PST-4DR4 | 3.5 | 3.1 | 4.1 | 3.6 |
| BEUDIN | 3.2 | 2.6 | 4.5 | 3.4 |
| MARVEL | 3.5 | 2.7 | 3.9 | 3.4 |
| BAR FRT 5002 | 3.0 | 2.4 | 4.6 | 3.3 |
| RAD-FR47 | 3.4 | 2.6 | 3.8 | 3.3 |
| CASCADE | 3.0 | 2.7 | 4.0 | 3.3 |
| RAD-FR33R | 3.3 | 2.5 | 3.8 | 3.2 |
| DLFPS-FRR/3069 | 2.9 | 2.6 | 4.1 | 3.2 |
| NAVIGATOR II | 3.2 | 2.6 | 3.8 | 3.2 |
| KENT | 3.1 | 2.4 | 3.7 | 3.1 |
| BOREAL | 2.7 | 2.1 | 3.7 | 2.8 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 13.3 | 13.9 | 10.5 | 12.4 |

*/ 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 3B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

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

| NAME | NJ2 | MD1 | MN2 | MEAN |
|---|---|---|---|---|
| DLFPS-FRC/3057 | 4.7 | 5.0 | 6.2 | 5.3 |
| DLF-FRC 3338 | 4.5 | 4.8 | 6.2 | 5.2 |
| COMPASS II (PPG-FRC 113) | 4.4 | 4.7 | 6.0 | 5.0 |
| PPG-FRC 114 | 4.0 | 4.6 | 6.2 | 4.9 |
| RADAR | 4.2 | 4.4 | 5.8 | 4.8 |
| DLFPS-FRC/3060 | 3.7 | 3.7 | 5.4 | 4.3 |
| CASTLE (RAD-FC32) | 3.9 | 3.3 | 4.9 | 4.1 |
| BAR VV-VP3-CT | 3.4 | 3.1 | 5.4 | 4.0 |
| RAD-FC44 | 3.5 | 3.3 | 5.2 | 4.0 |
| BAR 6FR 126 | 3.4 | 3.0 | 5.4 | 3.9 |
| CASCADE | 3.0 | 2.7 | 4.0 | 3.3 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 14.0 | 14.0 | 9.8 | 12.3 |

*/ 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 3C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

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

| NAME | NJ2 | MD1 | MN2 | MEAN |
|---|---|---|---|---|
| C14-OS3 | 4.4 | 4.7 | 6.0 | 5.1 |
| CARDINAL II (PPG-FRR 111) | 4.0 | 3.8 | 4.5 | 4.1 |
| PST-4BEN | 3.9 | 3.6 | 4.4 | 4.0 |
| 7C34 | 3.9 | 3.4 | 4.3 | 3.8 |
| DLF-FRR 6162 | 3.8 | 3.4 | 4.2 | 3.8 |
| PST-4ED4 | 3.7 | 3.4 | 4.2 | 3.8 |
| DLFPS-FRR/3068 | 3.7 | 3.2 | 4.3 | 3.7 |
| PST-4RUE | 3.6 | 3.1 | 4.0 | 3.6 |
| PST-4DR4 | 3.5 | 3.1 | 4.1 | 3.6 |
| MARVEL | 3.5 | 2.7 | 3.9 | 3.4 |
| RAD-FR47 | 3.4 | 2.6 | 3.8 | 3.3 |
| RAD-FR33R | 3.3 | 2.5 | 3.8 | 3.2 |
| DLFPS-FRR/3069 | 2.9 | 2.6 | 4.1 | 3.2 |
| NAVIGATOR II | 3.2 | 2.6 | 3.8 | 3.2 |
| KENT | 3.1 | 2.4 | 3.7 | 3.1 |
| BOREAL | 2.7 | 2.1 | 3.7 | 2.8 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 15.3 | 17.6 | 13.0 | 15.1 |

*/ 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 3D. TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

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

| NAME | NJ2 | MD1 | MN2 | MEAN |
|---|---|---|---|---|
| RESOLUTE (7H7) | 5.9 | 6.1 | 7.0 | 6.4 |
| DLFPS-FL/3060 | 5.5 | 5.9 | 7.1 | 6.2 |
| GLADIATOR (TH456) | 5.9 | 5.9 | 6.7 | 6.2 |
| JETTY (PPG-FL 106) | 5.7 | 6.0 | 6.7 | 6.1 |
| DLFPS-FL/3066 | 5.6 | 5.8 | 6.8 | 6.0 |
| MNHD-14 | 5.5 | 5.7 | 6.6 | 5.9 |
| BEACON | 5.5 | 5.6 | 6.5 | 5.9 |
| SWORD | 5.3 | 5.5 | 6.3 | 5.7 |
| MINIMUS | 5.3 | 5.5 | 6.1 | 5.6 |
| PST-4BND | 5.2 | 5.0 | 5.8 | 5.3 |
| QUATRO | 3.9 | 4.0 | 5.4 | 4.4 |
| BEUDIN | 3.2 | 2.6 | 4.5 | 3.4 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 10.4 | 10.3 | 8.6 | 9.7 |

TABLE 3E. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

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

| NAME | NJ2 | MD1 | MN2 | MEAN |
|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 3.4 | 3.6 | 5.6 | 4.2 |
| SEABREEZE GT | 3.5 | 2.8 | 4.5 | 3.6 |
| BAR FRT 5002 | 3.0 | 2.4 | 4.6 | 3.3 |
| LSD VALUE | 0.9 | 0.9 | 0.9 | 0.9 |
| C.V. (%) | 16.4 | 18.5 | 11.1 | 14.6 |

*/ 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 4A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS GROWN ON A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2016 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

| NAME | IN1 | MI2 | MN1 | MEAN |
|---|---|---|---|---|
| C14-OS3 | 6.5 | 6.2 | 7.5 | 6.7 |
| COMPASS II (PPG-FRC 113) | 5.7 | 6.5 | 6.9 | 6.4 |
| RESOLUTE (7H7) | 4.9 | 6.0 | 7.9 | 6.3 |
| PPG-FRC 114 | 5.6 | 6.2 | 6.7 | 6.2 |
| DLF-FRC 3338 | 6.0 | 5.9 | 6.6 | 6.2 |
| DLFPS-FRC/3057 | 5.6 | 5.5 | 7.4 | 6.2 |
| RADAR | 5.8 | 5.5 | 6.9 | 6.1 |
| SEAMIST (PPG-FRT 101) | 5.8 | 6.0 | 6.3 | 6.1 |
| BAR VV-VP3-CT | 5.5 | 5.9 | 6.6 | 6.0 |
| DLFPS-FL/3060 | 4.9 | 6.2 | 6.8 | 6.0 |
| DLFPS-FRC/3060 | 5.4 | 5.4 | 6.9 | 5.9 |
| GLADIATOR (TH456) | 5.1 | 5.9 | 6.7 | 5.9 |
| JETTY (PPG-FL 106) | 5.3 | 6.0 | 6.3 | 5.9 |
| RAD-FC44 | 5.2 | 5.8 | 6.5 | 5.8 |
| MNHD-14 | 5.5 | 5.8 | 6.1 | 5.8 |
| DLFPS-FL/3066 | 5.3 | 5.5 | 6.6 | 5.8 |
| CASTLE (RAD-FC32) | 5.2 | 5.5 | 6.6 | 5.8 |
| MINIMUS | 4.9 | 6.2 | 6.0 | 5.7 |
| BEACON | 4.7 | 5.5 | 6.4 | 5.5 |
| BAR FRT 5002 | 5.2 | 4.8 | 6.6 | 5.5 |
| BAR 6FR 126 | 4.9 | 5.0 | 6.6 | 5.5 |
| SWORD | 4.9 | 5.4 | 6.2 | 5.5 |
| QUATRO | 4.9 | 5.6 | 5.6 | 5.4 |
| CARDINAL II (PPG-FRR 111) | 5.9 | 5.4 | 4.3 | 5.2 |
| 7C34 | 5.4 | 4.7 | 5.0 | 5.0 |
| SEABREEZE GT | 4.9 | 4.9 | 5.1 | 5.0 |
| BEUDIN | 4.8 | 4.3 | 5.8 | 5.0 |
| PST-4BEN | 5.2 | 5.2 | 4.4 | 4.9 |
| CASCADE | 5.3 | 4.5 | 5.0 | 4.9 |
| NAVIGATOR II | 5.8 | 4.4 | 4.3 | 4.8 |
| DLF-FRR 6162 | 5.0 | 5.0 | 4.4 | 4.8 |
| PST-4BND | 4.2 | 5.0 | 5.1 | 4.8 |
| DLFPS-FRR/3068 | 5.7 | 4.1 | 3.9 | 4.6 |
| PST-4ED4 | 5.1 | 5.0 | 3.6 | 4.6 |
| RAD-FR33R | 5.1 | 4.3 | 4.2 | 4.5 |
| PST-4DR4 | 5.1 | 4.5 | 4.0 | 4.5 |
| MARVEL | 5.1 | 4.1 | 4.4 | 4.5 |
| DLFPS-FRR/3069 | 5.3 | 3.9 | 4.1 | 4.4 |
| KENT | 4.8 | 4.2 | 4.1 | 4.4 |
| RAD-FR47 | 4.6 | 4.0 | 4.1 | 4.3 |
| PST-4RUE | 4.2 | 4.5 | 3.8 | 4.1 |
| BOREAL | 4.3 | 3.0 | 3.9 | 3.7 |
| LSD VALUE | 1.0 | 0.9 | 0.8 | 0.5 |
| C.V. (%) | 11.6 | 11.1 | 9.2 | 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 4B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS GROWN ON A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

| NAME | IN1 | MI2 | MN1 | MEAN |
|---|---|---|---|---|
| COMPASS II (PPG-FRC 113) | 5.7 | 6.5 | 6.9 | 6.4 |
| PPG-FRC 114 | 5.6 | 6.2 | 6.7 | 6.2 |
| DLF-FRC 3338 | 6.0 | 5.9 | 6.6 | 6.2 |
| DLFPS-FRC/3057 | 5.6 | 5.5 | 7.4 | 6.2 |
| RADAR | 5.8 | 5.5 | 6.9 | 6.1 |
| BAR VV-VP3-CT | 5.5 | 5.9 | 6.6 | 6.0 |
| DLFPS-FRC/3060 | 5.4 | 5.4 | 6.9 | 5.9 |
| RAD-FC44 | 5.2 | 5.8 | 6.5 | 5.8 |
| CASTLE (RAD-FC32) | 5.2 | 5.5 | 6.6 | 5.8 |
| BAR 6FR 126 | 4.9 | 5.0 | 6.6 | 5.5 |
| CASCADE | 5.3 | 4.5 | 5.0 | 4.9 |
| LSD VALUE | 1.0 | 1.0 | 0.8 | 0.5 |
| C.V. (%) | 10.9 | 11.2 | 7.3 | 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 4C. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN ON A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

| NAME | IN1 | MI2 | MN1 | MEAN |
|---|---|---|---|---|
| C14-OS3 | 6.5 | 6.2 | 7.5 | 6.7 |
| CARDINAL II (PPG-FRR 111) | 5.9 | 5.4 | 4.3 | 5.2 |
| 7C34 | 5.4 | 4.7 | 5.0 | 5.0 |
| PST-4BEN | 5.2 | 5.2 | 4.4 | 4.9 |
| NAVIGATOR II | 5.8 | 4.4 | 4.3 | 4.8 |
| DLF-FRR 6162 | 5.0 | 5.0 | 4.4 | 4.8 |
| DLFPS-FRR/3068 | 5.7 | 4.1 | 3.9 | 4.6 |
| PST-4ED4 | 5.1 | 5.0 | 3.6 | 4.6 |
| RAD-FR33R | 5.1 | 4.3 | 4.2 | 4.5 |
| PST-4DR4 | 5.1 | 4.5 | 4.0 | 4.5 |
| MARVEL | 5.1 | 4.1 | 4.4 | 4.5 |
| DLFPS-FRR/3069 | 5.3 | 3.9 | 4.1 | 4.4 |
| KENT | 4.8 | 4.2 | 4.1 | 4.4 |
| RAD-FR47 | 4.6 | 4.0 | 4.1 | 4.3 |
| PST-4RUE | 4.2 | 4.5 | 3.8 | 4.1 |
| BOREAL | 4.3 | 3.0 | 3.9 | 3.7 |
| LSD VALUE | 1.2 | 0.7 | 0.8 | 0.5 |
| C.V. (%) | 13.9 | 9.9 | 11.0 | 12.0 |

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

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

TABLE 4D. MEAN TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN ON A FAIRWAY AT THREE LOCATIONS IN THE U.S. 2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

| NAME | IN1 | MI2 | MN1 | MEAN |
|---|---|---|---|---|
| RESOLUTE (7H7) | 4.9 | 6.0 | 7.9 | 6.3 |
| DLFPS-FL/3060 | 4.9 | 6.2 | 6.8 | 6.0 |
| GLADIATOR (TH456) | 5.1 | 5.9 | 6.7 | 5.9 |
| JETTY (PPG-FL 106) | 5.3 | 6.0 | 6.3 | 5.9 |
| MNHD-14 | 5.5 | 5.8 | 6.1 | 5.8 |
| DLFPS-FL/3066 | 5.3 | 5.5 | 6.6 | 5.8 |
| MINIMUS | 4.9 | 6.2 | 6.0 | 5.7 |
| BEACON | 4.7 | 5.5 | 6.4 | 5.5 |
| SWORD | 4.9 | 5.4 | 6.2 | 5.5 |
| QUATRO | 4.9 | 5.6 | 5.6 | 5.4 |
| BEUDIN | 4.8 | 4.3 | 5.8 | 5.0 |
| PST-4BND | 4.2 | 5.0 | 5.1 | 4.8 |
| LSD VALUE | 0.8 | 1.1 | 1.0 | 0.6 |
| C.V. (%) | 10.1 | 12.7 | 10.0 | 11.1 |

TABLE 4E. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN ON A FAIRWAY AT THREE LOCATIONS IN THE U.S. 2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

| NAME | IN1 | MI2 | MN1 | MEAN |
|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 5.8 | 6.0 | 6.3 | 6.1 |
| BAR FRT 5002 | 5.2 | 4.8 | 6.6 | 5.5 |
| SEABREEZE GT | 4.9 | 4.9 | 5.1 | 5.0 |
| LSD VALUE | 0.3 | 0.5 | 0.4 | 0.2 |
| C.V. (%) | 2.9 | 6.1 | 4.5 | 4.7 |

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 5A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME | SPRING GREENUP | PERCENT COVER SPRING | PERCENT COVER SUMMER | PERCENT COVER FALL | DOLLAR SPOT | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C14-OS3 | 6.7 | 99.0 | 88.7 | 99.0 | 8.7 | 9.0 | 7.0 | 7.0 | 7.3 | 7.0 | 6.3 | 7.0 | 7.7 | 7.3 | 7.1 |
| COMPASS II (PPG-FRC 113) | 7.0 | 99.0 | 91.3 | 97.7 | 9.0 | 9.0 | 7.3 | 7.0 | 7.0 | 6.7 | 6.3 | 7.0 | 7.3 | 6.7 | 6.9 |
| PPG-FRC 114 | 7.3 | 99.0 | 91.3 | 96.3 | 8.7 | 9.0 | 7.0 | 6.3 | 7.3 | 6.7 | 6.0 | 6.7 | 7.7 | 7.0 | 6.8 |
| BAR VV-VP3-CT | 6.7 | 96.0 | 90.7 | 96.3 | 8.7 | 9.0 | 6.3 | 6.3 | 6.7 | 7.0 | 6.0 | 7.0 | 7.7 | 6.7 | 6.7 |
| DLFPS-FRC/3057 | 6.3 | 99.0 | 89.3 | 95.0 | 8.0 | 9.0 | 7.0 | 7.0 | 6.3 | 6.7 | 5.7 | 6.7 | 7.0 | 7.0 | 6.7 |
| RADAR | 7.7 | 99.0 | 90.7 | 97.7 | 8.3 | 9.0 | 7.0 | 6.0 | 6.7 | 6.7 | 6.0 | 6.7 | 7.7 | 6.7 | 6.7 |
| DLF-FRC 3338 | 7.3 | 97.7 | 86.3 | 94.7 | 8.0 | 9.0 | 7.3 | 7.0 | 7.0 | 6.7 | 5.3 | 6.3 | 7.0 | 6.3 | 6.6 |
| CASTLE (RAD-FC32) | 8.0 | 97.7 | 85.3 | 94.7 | 8.3 | 9.0 | 6.0 | 6.7 | 6.3 | 6.7 | 5.7 | 6.7 | 7.3 | 6.7 | 6.5 |
| DLFPS-FRC/3060 | 7.3 | 96.0 | 90.0 | 97.7 | 8.7 | 9.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.0 | 6.7 | 7.0 | 6.3 | 6.5 |
| SEAMIST (PPG-FRT 101) | 5.0 | 94.3 | 86.7 | 88.3 | 8.7 | 9.0 | 6.0 | 6.3 | 6.3 | 6.3 | 5.3 | 6.3 | 6.3 | 6.3 | 6.2 |
| 7C34 | 7.0 | 99.0 | 86.0 | 76.7 | 8.0 | 9.0 | 6.7 | 6.7 | 7.0 | 6.0 | 5.3 | 5.3 | 5.7 | 5.3 | 6.0 |
| RAD-FC44 | 9.0 | 96.0 | 81.7 | 83.3 | 8.5 | 9.0 | 6.7 | 6.3 | 6.0 | 5.3 | 5.0 | 6.0 | 5.7 | 6.0 | 5.9 |
| DLF-FRR 6162 | 6.3 | 97.7 | 82.3 | 80.0 | 8.7 | 8.7 | 6.0 | 6.3 | 6.3 | 5.0 | 5.0 | 5.0 | 5.7 | 5.3 | 5.6 |
| MARVEL | 5.7 | 96.0 | 80.3 | 73.3 | 8.0 | 9.0 | 6.0 | 6.7 | 6.0 | 5.3 | 4.7 | 5.3 | 5.7 | 5.0 | 5.6 |
| DLFPS-FRR/3068 | 5.3 | 95.3 | 81.3 | 60.0 | 7.7 | 9.0 | 5.7 | 6.0 | 6.3 | 5.7 | 4.3 | 4.7 | 5.0 | 5.0 | 5.3 |
| RAD-FR33R | 8.0 | 95.0 | 87.0 | 68.3 | 7.7 | 9.0 | 6.3 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.3 | 4.7 | 5.3 |
| RAD-FR47 | 8.3 | 92.7 | 80.3 | 75.0 | 8.0 | 8.7 | 6.3 | 5.3 | 5.0 | 6.3 | 4.3 | 4.7 | 5.3 | 5.0 | 5.3 |
| BAR FRT 5002 | 4.0 | 99.0 | 86.7 | 36.7 | . | 9.0 | 6.3 | 7.0 | 6.0 | 5.7 | 4.0 | 3.7 | 4.3 | 4.3 | 5.2 |
| CASCADE | 6.7 | 91.3 | 80.3 | 88.3 | 8.0 | 9.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.7 | 6.0 | 5.3 | 5.3 | 5.2 |
| CARDINAL II (PPG-FRR 111) | 6.3 | 91.7 | 73.7 | 63.3 | 7.3 | 9.0 | 5.7 | 5.7 | 5.3 | 5.0 | 5.0 | 5.0 | 4.7 | 4.7 | 5.1 |
| DLFPS-FRR/3069 | 6.0 | 94.7 | 76.0 | 78.3 | 7.7 | 9.0 | 5.7 | 5.7 | 5.0 | 5.0 | 5.0 | 4.7 | 5.0 | 4.7 | 5.1 |
| PST-4BEN | 7.3 | 89.7 | 75.0 | 78.3 | 7.7 | 9.0 | 6.0 | 5.0 | 4.7 | 5.0 | 4.7 | 5.3 | 5.3 | 5.0 | 5.1 |
| BAR 6FR 126 | 5.7 | 97.7 | 81.0 | 55.0 | 8.0 | 9.0 | 6.7 | 5.3 | 5.3 | 4.7 | 4.0 | 4.7 | 5.0 | 4.3 | 5.0 |
| BEUDIN | 4.0 | 94.0 | 86.0 | 38.3 | 8.0 | 9.0 | 5.7 | 5.7 | 6.3 | 6.3 | 4.3 | 3.7 | 4.0 | 4.3 | 5.0 |
| NAVIGATOR II | 6.0 | 90.0 | 80.3 | 75.0 | 7.7 | 8.7 | 5.3 | 5.0 | 5.0 | 4.7 | 4.3 | 4.3 | 5.3 | 5.0 | 4.9 |
| PST-4DR4 | 7.0 | 92.7 | 71.3 | 65.0 | 8.0 | 8.7 | 4.7 | 5.3 | 5.0 | 5.0 | 4.7 | 5.3 | 4.3 | 4.7 | 4.9 |
| KENT | 6.0 | 93.3 | 76.7 | 65.0 | 7.3 | 9.0 | 5.7 | 4.3 | 4.3 | 4.3 | 4.3 | 5.3 | 5.3 | 4.7 | 4.8 |
| BOREAL | 5.7 | 88.3 | 74.0 | 55.0 | 8.0 | 9.0 | 5.3 | 4.7 | 4.0 | 4.3 | 4.0 | 5.0 | 4.7 | 4.7 | 4.6 |
| PST-4ED4 | 6.3 | 94.3 | 69.3 | 55.0 | 8.0 | 8.7 | 5.3 | 5.3 | 4.7 | 4.0 | 4.0 | 4.3 | 4.3 | 4.7 | 4.6 |
| PST-4RUE | 6.7 | 88.3 | 76.7 | 56.7 | 8.0 | 9.0 | 4.7 | 4.3 | 5.0 | 4.3 | 4.0 | 4.7 | 4.3 | 4.3 | 4.5 |
| SEABREEZE GT | 5.0 | 89.3 | 84.3 | 46.7 | 8.0 | 9.0 | 5.0 | 4.7 | 5.0 | 4.7 | 4.0 | 4.0 | 4.3 | 4.7 | 4.5 |
| QUATRO | 6.0 | 89.3 | 65.0 | 71.7 | 8.0 | 9.0 | 5.0 | 4.7 | 3.7 | 4.3 | 4.3 | 4.0 | 4.3 | 4.7 | 4.4 |
| DLFPS-FL/3060 | 6.3 | 93.3 | 55.3 | 26.7 | 9.0 | 9.0 | 4.3 | 5.0 | 3.7 | 3.3 | 3.7 | 3.0 | 3.3 | 3.3 | 3.7 |
| MNHD-14 | 6.3 | 89.7 | 58.3 | 29.3 | 9.0 | 9.0 | 4.3 | 5.0 | 3.3 | 4.0 | 3.0 | 3.0 | 3.3 | 3.3 | 3.7 |
| DLFPS-FL/3066 | 6.3 | 91.7 | 60.0 | 25.0 | . | 9.0 | 4.3 | 4.7 | 3.3 | 3.7 | 3.0 | 2.3 | 3.0 | 3.3 | 3.5 |
| JETTY (PPG-FL 106) | 6.3 | 83.3 | 50.0 | 26.0 | . | 9.0 | 4.3 | 4.3 | 3.0 | 3.7 | 3.3 | 2.7 | 3.7 | 3.3 | 3.5 |
| RESOLUTE (7H7) | 6.0 | 88.3 | 52.7 | 36.0 | 9.0 | 9.0 | 3.7 | 5.7 | 2.7 | 3.3 | 3.3 | 2.7 | 3.3 | 3.3 | 3.5 |
| SWORD | 6.0 | 87.7 | 50.0 | 40.0 | 9.0 | 9.0 | 4.0 | 4.7 | 2.3 | 2.7 | 3.0 | 3.7 | 3.3 | 3.7 | 3.4 |
| BEACON | 6.0 | 93.7 | 51.0 | 31.0 | . | 9.0 | 3.7 | 4.7 | 2.7 | 3.3 | 2.7 | 2.7 | 2.7 | 2.7 | 3.1 |
| GLADIATOR (TH456) | 5.7 | 86.7 | 47.3 | 23.7 | 8.0 | 9.0 | 4.0 | 4.3 | 2.7 | 3.0 | 2.7 | 2.0 | 2.7 | 2.7 | 3.0 |
| PST-4BND | 6.0 | 84.3 | 37.7 | 26.7 | 9.0 | 9.0 | 3.7 | 4.3 | 2.3 | 2.3 | 2.7 | 2.3 | 2.7 | 3.0 | 2.9 |
| MINIMUS | 6.0 | 78.3 | 31.7 | 18.3 | . | 9.0 | 3.7 | 3.7 | 1.7 | 2.3 | 2.3 | 2.7 | 2.7 | 2.7 | 2.7 |
| LSD VALUE | 1.3 | 9.2 | 16.5 | 21.6 | 2.6 | 0.7 | 1.3 | 1.3 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.1 | 0.8 |
| C.V. (%) | 12.6 | 5.4 | 14.3 | 22.3 | 8.3 | 2.2 | 14.9 | 14.0 | 16.3 | 15.3 | 17.9 | 17.6 | 17.6 | 15.3 | 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 5B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA

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

| NAME | SPRING GREENUP | PERCENT COVER SPRING | PERCENT COVER SUMMER | PERCENT COVER FALL | DOLLAR SPOT | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COMPASS II (PPG-FRC 113) | 7.0 | 99.0 | 91.3 | 97.7 | 9.0 | 9 | 7.3 | 7.0 | 7.0 | 6.7 | 6.3 | 7.0 | 7.3 | 6.7 | 6.9 |
| PPG-FRC 114 | 7.3 | 99.0 | 91.3 | 96.3 | 8.7 | 9 | 7.0 | 6.3 | 7.3 | 6.7 | 6.0 | 6.7 | 7.7 | 7.0 | 6.8 |
| BAR VV-VP3-CT | 6.7 | 96.0 | 90.7 | 96.3 | 8.7 | 9 | 6.3 | 6.3 | 6.7 | 7.0 | 6.0 | 7.0 | 7.7 | 6.7 | 6.7 |
| DLFPS-FRC/3057 | 6.3 | 99.0 | 89.3 | 95.0 | 8.0 | 9 | 7.0 | 7.0 | 6.3 | 6.7 | 5.7 | 6.7 | 7.0 | 7.0 | 6.7 |
| RADAR | 7.7 | 99.0 | 90.7 | 97.7 | 8.3 | 9 | 7.0 | 6.0 | 6.7 | 6.7 | 6.0 | 6.7 | 7.7 | 6.7 | 6.7 |
| DLF-FRC 3338 | 7.3 | 97.7 | 86.3 | 94.7 | 8.0 | 9 | 7.3 | 7.0 | 7.0 | 6.7 | 5.3 | 6.3 | 7.0 | 6.3 | 6.6 |
| CASTLE (RAD-FC32) | 8.0 | 97.7 | 85.3 | 94.7 | 8.3 | 9 | 6.0 | 6.7 | 6.3 | 6.7 | 5.7 | 6.7 | 7.3 | 6.7 | 6.5 |
| DLFPS-FRC/3060 | 7.3 | 96.0 | 90.0 | 97.7 | 8.7 | 9 | 6.3 | 6.3 | 6.7 | 6.7 | 6.0 | 6.7 | 7.0 | 6.3 | 6.5 |
| RAD-FC44 | 9.0 | 96.0 | 81.7 | 83.3 | 8.5 | 9 | 6.7 | 6.3 | 6.0 | 5.3 | 5.0 | 6.0 | 5.7 | 6.0 | 5.9 |
| CASCADE | 6.7 | 91.3 | 80.3 | 88.3 | 8.0 | 9 | 5.0 | 5.0 | 5.0 | 5.0 | 4.7 | 6.0 | 5.3 | 5.3 | 5.2 |
| BAR 6FR 126 | 5.7 | 97.7 | 81.0 | 55.0 | 8.0 | 9 | 6.7 | 5.3 | 5.3 | 4.7 | 4.0 | 4.7 | 5.0 | 4.3 | 5.0 |
| LSD VALUE | 1.2 | 9.5 | 9.8 | 19.9 | 1.9 | 0 | 1.8 | 1.8 | 1.4 | 1.2 | 1.7 | 1.9 | 1.9 | 1.4 | 1.0 |
| C.V. (%) | 9.6 | 3.8 | 5.5 | 12.0 | 7.8 | 0 | 12.4 | 13.2 | 11.4 | 10.9 | 14.6 | 13.3 | 14.3 | 11.9 | 8.6 |

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

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

TABLE 5C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA

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

| NAME | SPRING GREENUP | PERCENT COVER SPRING | PERCENT COVER SUMMER | PERCENT COVER FALL | DOLLAR SPOT | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C14-OS3 | 6.7 | 99.0 | 88.7 | 99.0 | 8.7 | 9.0 | 7.0 | 7.0 | 7.3 | 7.0 | 6.3 | 7.0 | 7.7 | 7.3 | 7.1 |
| 7C34 | 7.0 | 99.0 | 86.0 | 76.7 | 8.0 | 9.0 | 6.7 | 6.7 | 7.0 | 6.0 | 5.3 | 5.3 | 5.7 | 5.3 | 6.0 |
| DLF-FRR 6162 | 6.3 | 97.7 | 82.3 | 80.0 | 8.7 | 8.7 | 6.0 | 6.3 | 6.3 | 5.0 | 5.0 | 5.0 | 5.7 | 5.3 | 5.6 |
| MARVEL | 5.7 | 96.0 | 80.3 | 73.3 | 8.0 | 9.0 | 6.0 | 6.7 | 6.0 | 5.3 | 4.7 | 5.3 | 5.7 | 5.0 | 5.6 |
| DLFPS-FRR/3068 | 5.3 | 95.3 | 81.3 | 60.0 | 7.7 | 9.0 | 5.7 | 6.0 | 6.3 | 5.7 | 4.3 | 4.7 | 5.0 | 5.0 | 5.3 |
| RAD-FR33R | 8.0 | 95.0 | 87.0 | 68.3 | 7.7 | 9.0 | 6.3 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.3 | 4.7 | 5.3 |
| RAD-FR47 | 8.3 | 92.7 | 80.3 | 75.0 | 8.0 | 8.7 | 6.3 | 5.3 | 5.0 | 6.3 | 4.3 | 4.7 | 5.3 | 5.0 | 5.3 |
| CARDINAL II (PPG-FRR 111) | 6.3 | 91.7 | 73.7 | 63.3 | 7.3 | 9.0 | 5.7 | 5.7 | 5.3 | 5.0 | 5.0 | 5.0 | 4.7 | 4.7 | 5.1 |
| DLFPS-FRR/3069 | 6.0 | 94.7 | 76.0 | 78.3 | 7.7 | 9.0 | 5.7 | 5.7 | 5.0 | 5.0 | 5.0 | 4.7 | 5.0 | 4.7 | 5.1 |
| PST-4BEN | 7.3 | 89.7 | 75.0 | 78.3 | 7.7 | 9.0 | 6.0 | 5.0 | 4.7 | 5.0 | 4.7 | 5.3 | 5.3 | 5.0 | 5.1 |
| NAVIGATOR II | 6.0 | 90.0 | 80.3 | 75.0 | 7.7 | 8.7 | 5.3 | 5.0 | 5.0 | 4.7 | 4.3 | 4.3 | 5.3 | 5.0 | 4.9 |
| PST-4DR4 | 7.0 | 92.7 | 71.3 | 65.0 | 8.0 | 8.7 | 4.7 | 5.3 | 5.0 | 5.0 | 4.7 | 5.3 | 4.3 | 4.7 | 4.9 |
| KENT | 6.0 | 93.3 | 76.7 | 65.0 | 7.3 | 9.0 | 5.7 | 4.3 | 4.3 | 4.3 | 4.3 | 5.3 | 5.3 | 4.7 | 4.8 |
| BOREAL | 5.7 | 88.3 | 74.0 | 55.0 | 8.0 | 9.0 | 5.3 | 4.7 | 4.0 | 4.3 | 4.0 | 5.0 | 4.7 | 4.7 | 4.6 |
| PST-4ED4 | 6.3 | 94.3 | 69.3 | 55.0 | 8.0 | 8.7 | 5.3 | 5.3 | 4.7 | 4.0 | 4.0 | 4.3 | 4.3 | 4.7 | 4.6 |
| PST-4RUE | 6.7 | 88.3 | 76.7 | 56.7 | 8.0 | 9.0 | 4.7 | 4.3 | 5.0 | 4.3 | 4.0 | 4.7 | 4.3 | 4.3 | 4.5 |
| LSD VALUE | 2.1 | 8.2 | 14.5 | 15.8 | 2.5 | 0.9 | 1.9 | 1.2 | 1.1 | 1.4 | 0.9 | 1.1 | 1.1 | 0.8 | 0.6 |
| C.V. (%) | 14.9 | 4.2 | 8.5 | 13.2 | 9.4 | 3.4 | 14.3 | 12.4 | 12.7 | 14.5 | 10.8 | 12.1 | 12.9 | 9.8 | 6.8 |

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 5D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA

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

| NAME | SPRING GREENUP | PERCENT COVER SPRING | PERCENT COVER SUMMER | PERCENT COVER FALL | DOLLAR SPOT | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEUDIN | 4.0 | 94.0 | 86.0 | 38.3 | 8 | 9 | 5.7 | 5.7 | 6.3 | 6.3 | 4.3 | 3.7 | 4.0 | 4.3 | 5.0 |
| QUATRO | 6.0 | 89.3 | 65.0 | 71.7 | 8 | 9 | 5.0 | 4.7 | 3.7 | 4.3 | 4.3 | 4.0 | 4.3 | 4.7 | 4.4 |
| DLFPS-FL/3060 | 6.3 | 93.3 | 55.3 | 26.7 | 9 | 9 | 4.3 | 5.0 | 3.7 | 3.3 | 3.7 | 3.0 | 3.3 | 3.3 | 3.7 |
| MNHD-14 | 6.3 | 89.7 | 58.3 | 29.3 | 9 | 9 | 4.3 | 5.0 | 3.3 | 4.0 | 3.0 | 3.0 | 3.3 | 3.3 | 3.7 |
| DLFPS-FL/3066 | 6.3 | 91.7 | 60.0 | 25.0 | . | 9 | 4.3 | 4.7 | 3.3 | 3.7 | 3.0 | 2.3 | 3.0 | 3.3 | 3.5 |
| JETTY (PPG-FL 106) | 6.3 | 83.3 | 50.0 | 26.0 | . | 9 | 4.3 | 4.3 | 3.0 | 3.7 | 3.3 | 2.7 | 3.7 | 3.3 | 3.5 |
| RESOLUTE (7H7) | 6.0 | 88.3 | 52.7 | 36.0 | 9 | 9 | 3.7 | 5.7 | 2.7 | 3.3 | 3.3 | 2.7 | 3.3 | 3.3 | 3.5 |
| SWORD | 6.0 | 87.7 | 50.0 | 40.0 | 9 | 9 | 4.0 | 4.7 | 2.3 | 2.7 | 3.0 | 3.7 | 3.3 | 3.7 | 3.4 |
| BEACON | 6.0 | 93.7 | 51.0 | 31.0 | . | 9 | 3.7 | 4.7 | 2.7 | 3.3 | 2.7 | 2.7 | 2.7 | 2.7 | 3.1 |
| GLADIATOR (TH456) | 5.7 | 86.7 | 47.3 | 23.7 | 8 | 9 | 4.0 | 4.3 | 2.7 | 3.0 | 2.7 | 2.0 | 2.7 | 2.7 | 3.0 |
| PST-4BND | 6.0 | 84.3 | 37.7 | 26.7 | 9 | 9 | 3.7 | 4.3 | 2.3 | 2.3 | 2.7 | 2.3 | 2.7 | 3.0 | 2.9 |
| MINIMUS | 6.0 | 78.3 | 31.7 | 18.3 | . | 9 | 3.7 | 3.7 | 1.7 | 2.3 | 2.3 | 2.7 | 2.7 | 2.7 | 2.7 |
| LSD VALUE | 1.4 | 17.3 | 24.8 | 18.2 | . | 0 | 1.8 | 2.1 | 1.6 | 1.2 | 1.9 | 1.7 | 1.8 | 1.6 | 1.2 |
| C.V. (%) | 11.8 | 7.9 | 24.3 | 32.1 | . | 0 | 18.9 | 17.8 | 29.8 | 20.1 | 26.1 | 26.6 | 23.2 | 22.2 | 17.5 |

TABLE 5E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA

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

| NAME | SPRING GREENUP | PERCENT COVER SPRING | PERCENT COVER SUMMER | PERCENT COVER FALL | DOLLAR SPOT | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 5.0 | 94.3 | 86.7 | 88.3 | 8.7 | 9 | 6.0 | 6.3 | 6.3 | 6.3 | 5.3 | 6.3 | 6.3 | 6.3 | 6.2 |
| BAR FRT 5002 | 4.0 | 99.0 | 86.7 | 36.7 | . | 9 | 6.3 | 7.0 | 6.0 | 5.7 | 4.0 | 3.7 | 4.3 | 4.3 | 5.2 |
| SEABREEZE GT | 5.0 | 89.3 | 84.3 | 46.7 | 8.0 | 9 | 5.0 | 4.7 | 5.0 | 4.7 | 4.0 | 4.0 | 4.3 | 4.7 | 4.5 |
| LSD VALUE | 1.3 | 12.8 | 4.5 | 23.1 | . | 0 | 2.3 | 2.1 | 1.8 | 1.5 | 1.8 | 1.9 | 2.8 | 1.5 | 1.5 |
| C.V. (%) | 12.4 | 5.9 | 2.3 | 17.4 | 6.0 | 0 | 16.8 | 15.2 | 13.5 | 12.0 | 17.6 | 17.5 | 24.5 | 13.0 | 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 6A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| | WEAR TOLERANCE RATINGS | | | QUALITY RATINGS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | MAY | JULY | SEPTEMBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| RAD-FC44 | 5.7 | 5.7 | 6.0 | 5.7 | 6.3 | 6.7 | 6.0 | 6.0 | 6.7 | 6.3 | 7.0 | 6.0 | 6.3 |
| COMPASS II (PPG-FRC 113) | 6.3 | 6.7 | 7.0 | 5.0 | 7.0 | 6.3 | 6.7 | 6.3 | 6.3 | 5.3 | 5.7 | 5.0 | 6.0 |
| RESOLUTE (7H7) | 8.0 | 8.0 | 8.0 | 5.0 | 6.0 | 5.7 | 6.3 | 6.3 | 6.0 | 6.3 | 6.7 | 6.0 | 6.0 |
| C14-OS3 | 5.0 | 5.7 | 5.3 | 5.3 | 6.3 | 6.3 | 6.0 | 6.3 | 6.0 | 5.3 | 6.0 | 5.0 | 5.9 |
| CASTLE (RAD-FC32) | 5.3 | 5.3 | 6.7 | 5.3 | 5.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.9 |
| DLF-FRC 3338 | 6.3 | 6.3 | 6.3 | 4.7 | 6.3 | 6.3 | 6.3 | 6.7 | 6.3 | 5.3 | 5.7 | 5.0 | 5.9 |
| DLFPS-FRC/3057 | 5.7 | 6.3 | 7.0 | 4.7 | 6.3 | 6.3 | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 5.0 | 5.9 |
| JETTY (PPG-FL 106) | 7.3 | 6.3 | 6.7 | 4.3 | 6.0 | 5.7 | 6.3 | 6.3 | 6.0 | 6.7 | 6.0 | 5.3 | 5.9 |
| BAR VV-VP3-CT | 5.3 | 5.7 | 6.7 | 4.7 | 5.7 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 5.7 | 5.3 | 5.7 |
| BEACON | 6.3 | 5.7 | 6.0 | 5.0 | 6.3 | 6.0 | 6.3 | 5.7 | 5.7 | 5.7 | 6.0 | 5.0 | 5.7 |
| BEUDIN | 4.3 | 5.0 | 5.0 | 5.3 | 6.0 | 5.0 | 5.0 | 5.7 | 5.3 | 6.7 | 6.3 | 6.0 | 5.7 |
| RADAR | 4.7 | 5.0 | 5.3 | 4.7 | 5.3 | 6.0 | 6.0 | 6.3 | 6.7 | 5.7 | 5.7 | 4.7 | 5.7 |
| SEAMIST (PPG-FRT 101) | 6.0 | 6.7 | 7.0 | 5.3 | 6.3 | 6.3 | 6.3 | 6.7 | 6.0 | 5.3 | 5.3 | 4.0 | 5.7 |
| BAR FRT 5002 | 5.7 | 5.3 | 5.7 | 5.0 | 6.0 | 5.0 | 5.7 | 5.3 | 5.3 | 5.7 | 6.3 | 5.7 | 5.6 |
| PPG-FRC 114 | 5.3 | 6.0 | 6.3 | 5.0 | 6.3 | 6.3 | 5.7 | 6.0 | 6.0 | 5.3 | 5.3 | 4.3 | 5.6 |
| DLFPS-FL/3066 | 7.3 | 6.7 | 6.3 | 4.0 | 5.3 | 5.0 | 5.3 | 5.0 | 5.7 | 6.3 | 6.3 | 5.3 | 5.4 |
| DLFPS-FRR/3068 | 4.7 | 6.0 | 6.0 | 5.3 | 6.0 | 5.7 | 6.0 | 5.0 | 5.7 | 5.0 | 5.0 | 4.7 | 5.4 |
| MINIMUS | 8.0 | 7.7 | 7.7 | 4.7 | 5.7 | 5.3 | 6.3 | 5.7 | 5.7 | 5.3 | 5.7 | 4.7 | 5.4 |
| MNHD-14 | 7.3 | 7.3 | 7.7 | 3.7 | 5.0 | 5.7 | 5.3 | 5.3 | 5.7 | 6.3 | 6.3 | 5.3 | 5.4 |
| 7C34 | 6.3 | 6.0 | 5.7 | 4.7 | 5.0 | 5.3 | 5.7 | 5.7 | 5.3 | 5.3 | 5.0 | 4.3 | 5.1 |
| BAR 6FR 126 | 4.7 | 5.0 | 5.3 | 4.7 | 5.0 | 4.3 | 5.3 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.1 |
| DLFPS-FL/3060 | 7.7 | 7.7 | 7.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.7 | 5.3 | 6.0 | 5.7 | 4.7 | 5.1 |
| DLFPS-FRC/3060 | 5.0 | 5.7 | 5.7 | 4.3 | 5.3 | 5.7 | 5.7 | 5.7 | 5.3 | 4.7 | 5.0 | 4.3 | 5.1 |
| PST-4BEN | 5.0 | 5.7 | 5.3 | 4.7 | 5.0 | 5.3 | 5.0 | 5.3 | 5.3 | 5.0 | 5.3 | 4.7 | 5.1 |
| PST-4BND | 5.7 | 6.7 | 6.0 | 4.7 | 5.3 | 4.7 | 4.7 | 5.0 | 5.0 | 6.3 | 5.3 | 5.3 | 5.1 |
| CARDINAL II (PPG-FRR 111) | 6.0 | 5.3 | 5.7 | 4.3 | 5.0 | 5.3 | 5.0 | 5.3 | 5.0 | 5.0 | 5.0 | 4.7 | 5.0 |
| CASCADE | 3.7 | 4.0 | 5.3 | 4.7 | 5.7 | 5.3 | 5.0 | 5.3 | 5.0 | 5.0 | 4.7 | 4.3 | 5.0 |
| GLADIATOR (TH456) | 6.7 | 5.7 | 5.7 | 4.3 | 5.0 | 4.3 | 5.0 | 4.7 | 5.0 | 5.3 | 6.0 | 5.7 | 5.0 |
| NAVIGATOR II | 5.0 | 5.0 | 5.7 | 4.3 | 4.7 | 5.7 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| PST-4ED4 | 5.3 | 6.0 | 5.7 | 4.3 | 5.3 | 5.0 | 5.3 | 5.3 | 5.0 | 5.0 | 5.0 | 4.7 | 5.0 |
| MARVEL | 5.3 | 4.7 | 4.7 | 4.0 | 4.3 | 5.3 | 5.0 | 5.0 | 5.3 | 5.3 | 5.0 | 4.7 | 4.9 |
| QUATRO | 7.0 | 6.7 | 6.3 | 3.7 | 4.3 | 5.7 | 5.3 | 4.7 | 5.0 | 4.7 | 5.3 | 5.0 | 4.9 |
| RAD-FR47 | 4.7 | 4.7 | 4.7 | 3.7 | 4.3 | 4.7 | 5.0 | 5.3 | 5.3 | 5.0 | 5.3 | 5.0 | 4.9 |
| DLF-FRR 6162 | 4.3 | 4.7 | 5.3 | 4.7 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.3 | 3.7 | 4.8 |
| DLFPS-FRR/3069 | 4.0 | 4.3 | 4.7 | 4.0 | 4.3 | 5.0 | 5.0 | 5.0 | 5.3 | 5.0 | 5.0 | 4.7 | 4.8 |
| PST-4DR4 | 5.0 | 5.0 | 5.3 | 4.3 | 5.3 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 4.3 | 4.0 | 4.8 |
| RAD-FR33R | 4.0 | 4.3 | 4.3 | 4.3 | 5.0 | 4.7 | 5.0 | 4.7 | 5.0 | 4.7 | 4.7 | 4.0 | 4.7 |
| SEABREEZE GT | 5.0 | 5.7 | 5.3 | 4.0 | 4.7 | 4.7 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.3 | 4.7 |
| KENT | 4.7 | 5.7 | 6.0 | 4.0 | 4.3 | 5.0 | 5.0 | 5.0 | 5.0 | 4.3 | 5.0 | 4.0 | 4.6 |
| PST-4RUE | 4.7 | 4.0 | 5.0 | 4.0 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.3 | 4.6 |
| SWORD | 5.3 | 5.3 | 5.0 | 3.3 | 4.0 | 3.3 | 4.0 | 4.0 | 4.7 | 5.0 | 5.3 | 5.0 | 4.3 |
| BOREAL | 3.3 | 3.7 | 4.3 | 4.0 | 4.7 | 4.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.0 | 3.7 | 4.2 |
| LSD VALUE | 1.0 | 1.0 | 1.2 | 1.2 | 1.0 | 1.0 | 1.2 | 0.9 | 0.8 | 0.9 | 0.9 | 0.9 | 0.6 |
| C.V. (%) | 12.0 | 11.6 | 12.8 | 13.4 | 11.6 | 11.1 | 12.1 | 10.1 | 8.4 | 10.3 | 10.2 | 11.3 | 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 6B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA

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

| | WEAR TOLERANCE RATINGS | | | QUALITY RATINGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | MAY | JULY | SEPTEMBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| RAD-FC44 | 5.7 | 5.7 | 6.0 | 5.7 | 6.3 | 6.7 | 6.0 | 6.0 | 6.7 | 6.3 | 7.0 | 6.0 | 6.3 |
| COMPASS II (PPG-FRC 113) | 6.3 | 6.7 | 7.0 | 5.0 | 7.0 | 6.3 | 6.7 | 6.3 | 6.3 | 5.3 | 5.7 | 5.0 | 6.0 |
| CASTLE (RAD-FC32) | 5.3 | 5.3 | 6.7 | 5.3 | 5.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.9 |
| DLF-FRC 3338 | 6.3 | 6.3 | 6.3 | 4.7 | 6.3 | 6.3 | 6.3 | 6.7 | 6.3 | 5.3 | 5.7 | 5.0 | 5.9 |
| DLFPS-FRC/3057 | 5.7 | 6.3 | 7.0 | 4.7 | 6.3 | 6.3 | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 5.0 | 5.9 |
| BAR VV-VP3-CT | 5.3 | 5.7 | 6.7 | 4.7 | 5.7 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 5.7 | 5.3 | 5.7 |
| RADAR | 4.7 | 5.0 | 5.3 | 4.7 | 5.3 | 6.0 | 6.0 | 6.3 | 6.7 | 5.7 | 5.7 | 4.7 | 5.7 |
| PPG-FRC 114 | 5.3 | 6.0 | 6.3 | 5.0 | 6.3 | 6.3 | 5.7 | 6.0 | 6.0 | 5.3 | 5.3 | 4.3 | 5.6 |
| BAR 6FR 126 | 4.7 | 5.0 | 5.3 | 4.7 | 5.0 | 4.3 | 5.3 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.1 |
| DLFPS-FRC/3060 | 5.0 | 5.7 | 5.7 | 4.3 | 5.3 | 5.7 | 5.7 | 5.7 | 5.3 | 4.7 | 5.0 | 4.3 | 5.1 |
| CASCADE | 3.7 | 4.0 | 5.3 | 4.7 | 5.7 | 5.3 | 5.0 | 5.3 | 5.0 | 5.0 | 4.7 | 4.3 | 5.0 |
| LSD VALUE | 1.1 | 1.3 | 0.7 | 1.1 | 0.9 | 0.9 | 1.1 | 0.7 | 0.6 | 1.2 | 0.8 | 0.7 | 0.3 |
| C.V. (%) | 11.7 | 12.4 | 6.9 | 10.3 | 8.4 | 8.8 | 9.0 | 6.5 | 6.3 | 10.1 | 8.2 | 8.0 | 3.3 |

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 6C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA

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

| | WEAR TOLERANCE RATINGS | | | QUALITY RATINGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | MAY | JULY | SEPTEMBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| C14-OS3 | 5.0 | 5.7 | 5.3 | 5.3 | 6.3 | 6.3 | 6.0 | 6.3 | 6.0 | 5.3 | 6.0 | 5.0 | 5.9 |
| DLFPS-FRR/3068 | 4.7 | 6.0 | 6.0 | 5.3 | 6.0 | 5.7 | 6.0 | 5.0 | 5.7 | 5.0 | 5.0 | 4.7 | 5.4 |
| 7C34 | 6.3 | 6.0 | 5.7 | 4.7 | 5.0 | 5.3 | 5.7 | 5.7 | 5.3 | 5.3 | 5.0 | 4.3 | 5.1 |
| PST-4BEN | 5.0 | 5.7 | 5.3 | 4.7 | 5.0 | 5.3 | 5.0 | 5.3 | 5.3 | 5.0 | 5.3 | 4.7 | 5.1 |
| CARDINAL II (PPG-FRR 111) | 6.0 | 5.3 | 5.7 | 4.3 | 5.0 | 5.3 | 5.0 | 5.3 | 5.0 | 5.0 | 5.0 | 4.7 | 5.0 |
| NAVIGATOR II | 5.0 | 5.0 | 5.7 | 4.3 | 4.7 | 5.7 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| PST-4ED4 | 5.3 | 6.0 | 5.7 | 4.3 | 5.3 | 5.0 | 5.3 | 5.3 | 5.0 | 5.0 | 5.0 | 4.7 | 5.0 |
| MARVEL | 5.3 | 4.7 | 4.7 | 4.0 | 4.3 | 5.3 | 5.0 | 5.0 | 5.3 | 5.3 | 5.0 | 4.7 | 4.9 |
| RAD-FR47 | 4.7 | 4.7 | 4.7 | 3.7 | 4.3 | 4.7 | 5.0 | 5.3 | 5.3 | 5.0 | 5.3 | 5.0 | 4.9 |
| DLF-FRR 6162 | 4.3 | 4.7 | 5.3 | 4.7 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.3 | 3.7 | 4.8 |
| DLFPS-FRR/3069 | 4.0 | 4.3 | 4.7 | 4.0 | 4.3 | 5.0 | 5.0 | 5.0 | 5.3 | 5.0 | 5.0 | 4.7 | 4.8 |
| PST-4DR4 | 5.0 | 5.0 | 5.3 | 4.3 | 5.3 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 4.3 | 4.0 | 4.8 |
| RAD-FR33R | 4.0 | 4.3 | 4.3 | 4.3 | 5.0 | 4.7 | 5.0 | 4.7 | 5.0 | 4.7 | 4.7 | 4.0 | 4.7 |
| KENT | 4.7 | 5.7 | 6.0 | 4.0 | 4.3 | 5.0 | 5.0 | 5.0 | 5.0 | 4.3 | 5.0 | 4.0 | 4.6 |
| PST-4RUE | 4.7 | 4.0 | 5.0 | 4.0 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.3 | 4.6 |
| BOREAL | 3.3 | 3.7 | 4.3 | 4.0 | 4.7 | 4.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.0 | 3.7 | 4.2 |
| LSD VALUE | 1.4 | 1.2 | 1.7 | 1.0 | 1.3 | 1.1 | 1.2 | 0.7 | 0.8 | 1.0 | 0.6 | 0.9 | 0.4 |
| C.V. (%) | 15.1 | 13.3 | 13.9 | 11.2 | 12.9 | 11.1 | 10.4 | 7.5 | 8.2 | 8.4 | 7.4 | 10.2 | 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 6D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA

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

| | WEAR TOLERANCE RATINGS | | | QUALITY RATINGS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | MAY | JULY | SEPTEMBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| RESOLUTE (7H7) | 8.0 | 8.0 | 8.0 | 5.0 | 6.0 | 5.7 | 6.3 | 6.3 | 6.0 | 6.3 | 6.7 | 6.0 | 6.0 |
| JETTY (PPG-FL 106) | 7.3 | 6.3 | 6.7 | 4.3 | 6.0 | 5.7 | 6.3 | 6.3 | 6.0 | 6.7 | 6.0 | 5.3 | 5.9 |
| BEACON | 6.3 | 5.7 | 6.0 | 5.0 | 6.3 | 6.0 | 6.3 | 5.7 | 5.7 | 5.7 | 6.0 | 5.0 | 5.7 |
| BEUDIN | 4.3 | 5.0 | 5.0 | 5.3 | 6.0 | 5.0 | 5.0 | 5.7 | 5.3 | 6.7 | 6.3 | 6.0 | 5.7 |
| DLFPS-FL/3066 | 7.3 | 6.7 | 6.3 | 4.0 | 5.3 | 5.0 | 5.3 | 5.0 | 5.7 | 6.3 | 6.3 | 5.3 | 5.4 |
| MINIMUS | 8.0 | 7.7 | 7.7 | 4.7 | 5.7 | 5.3 | 6.3 | 5.7 | 5.7 | 5.3 | 5.7 | 4.7 | 5.4 |
| MNHD-14 | 7.3 | 7.3 | 7.7 | 3.7 | 5.0 | 5.7 | 5.3 | 5.3 | 5.7 | 6.3 | 6.3 | 5.3 | 5.4 |
| DLFPS-FL/3060 | 7.7 | 7.7 | 7.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.7 | 5.3 | 6.0 | 5.7 | 4.7 | 5.1 |
| PST-4BND | 5.7 | 6.7 | 6.0 | 4.7 | 5.3 | 4.7 | 4.7 | 5.0 | 5.0 | 6.3 | 5.3 | 5.3 | 5.1 |
| GLADIATOR (TH456) | 6.7 | 5.7 | 5.7 | 4.3 | 5.0 | 4.3 | 5.0 | 4.7 | 5.0 | 5.3 | 6.0 | 5.7 | 5.0 |
| QUATRO | 7.0 | 6.7 | 6.3 | 3.7 | 4.3 | 5.7 | 5.3 | 4.7 | 5.0 | 4.7 | 5.3 | 5.0 | 4.9 |
| SWORD | 5.3 | 5.3 | 5.0 | 3.3 | 4.0 | 3.3 | 4.0 | 4.0 | 4.7 | 5.0 | 5.3 | 5.0 | 4.3 |
| LSD VALUE | 1.0 | 1.0 | 1.5 | 1.9 | 1.5 | 1.1 | 1.7 | 1.8 | 1.2 | 1.3 | 2.1 | 1.4 | 1.1 |
| C.V. (%) | 8.8 | 9.2 | 12.9 | 19.3 | 13.9 | 12.5 | 15.7 | 15.7 | 10.0 | 11.3 | 13.4 | 11.6 | 10.1 |

TABLE 6E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA

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

| | WEAR TOLERANCE RATINGS | | | QUALITY RATINGS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | MAY | JULY | SEPTEMBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| NAME | WEARMAY | WEARJUL | WEARSEP | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| SEAMIST (PPG-FRT 101) | 6.0 | 6.7 | 7.0 | 5.3 | 6.3 | 6.3 | 6.3 | 6.7 | 6.0 | 5.3 | 5.3 | 4.0 | 5.7 |
| BAR FRT 5002 | 5.7 | 5.3 | 5.7 | 5.0 | 6.0 | 5.0 | 5.7 | 5.3 | 5.3 | 5.7 | 6.3 | 5.7 | 5.6 |
| SEABREEZE GT | 5.0 | 5.7 | 5.3 | 4.0 | 4.7 | 4.7 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.3 | 4.7 |
| LSD VALUE | 1.5 | 0.8 | 1.3 | 0.8 | 0.9 | 2.1 | 1.3 | 0.9 | 1.5 | 0.9 | 1.2 | 2.5 | 0.9 |
| C.V. (%) | 12.0 | 5.7 | 9.6 | 7.0 | 7.2 | 17.1 | 10.2 | 7.2 | 12.2 | 7.7 | 9.5 | 23.1 | 6.9 |

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

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

TABLE 7A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DROUGHT TOLERANCE DORMANCY | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COMPASS II (PPG-FRC 113) | 5.7 | 4.7 | 99.0 | 5.3 | 6.0 | 6.7 | 6.3 | 5.7 | 5.3 | 6.0 | 6.3 | 8.0 | 6.3 |
| C14-OS3 | 6.0 | 5.0 | 99.0 | 4.3 | 6.0 | 6.3 | 5.7 | 5.3 | 5.7 | 5.7 | 6.7 | 8.3 | 6.2 |
| DLFPS-FL/3060 | 6.0 | 4.0 | 96.3 | 5.3 | 8.0 | 6.3 | 6.0 | 5.7 | 6.0 | 6.0 | 5.7 | 6.3 | 6.0 |
| PPG-FRC 114 | 6.3 | 4.0 | 97.7 | 3.3 | 6.0 | 6.7 | 6.3 | 5.3 | 5.0 | 5.3 | 6.0 | 7.0 | 6.0 |
| JETTY (PPG-FL 106) | 6.7 | 2.7 | 96.3 | 5.3 | 8.3 | 6.0 | 5.7 | 5.3 | 5.7 | 6.0 | 6.0 | 6.7 | 5.9 |
| MINIMUS | 6.0 | 5.7 | 88.3 | 5.7 | 8.0 | 7.3 | 6.7 | 5.7 | 6.3 | 5.0 | 5.3 | 4.7 | 5.9 |
| SEAMIST (PPG-FRT 101) | 6.0 | 5.0 | 95.0 | 4.3 | 5.3 | 7.0 | 7.0 | 5.0 | 5.0 | 6.0 | 5.0 | 6.3 | 5.9 |
| DLF-FRC 3338 | 6.0 | 4.0 | 97.7 | 4.7 | 5.7 | 6.3 | 6.0 | 5.0 | 4.7 | 5.0 | 6.0 | 6.7 | 5.7 |
| GLADIATOR (TH456) | 6.3 | 3.3 | 97.7 | 7.3 | 8.3 | 4.7 | 4.7 | 5.3 | 6.0 | 5.7 | 6.7 | 7.0 | 5.7 |
| QUATRO | 6.3 | 4.7 | 97.7 | 5.3 | 8.3 | 5.7 | 5.3 | 5.0 | 5.7 | 5.7 | 6.0 | 6.3 | 5.7 |
| RESOLUTE (7H7) | 6.3 | 3.0 | 97.7 | 5.3 | 7.7 | 5.3 | 5.3 | 5.3 | 5.7 | 6.0 | 5.7 | 6.3 | 5.7 |
| BAR VV-VP3-CT | 6.3 | 4.7 | 97.7 | 4.0 | 5.3 | 6.0 | 5.7 | 5.0 | 5.0 | 5.3 | 6.0 | 6.3 | 5.6 |
| CASTLE (RAD-FC32) | 7.0 | 3.3 | 93.3 | 4.3 | 5.3 | 6.3 | 6.0 | 4.7 | 5.0 | 5.3 | 5.0 | 6.3 | 5.5 |
| DLFPS-FL/3066 | 6.0 | 3.3 | 96.3 | 6.7 | 7.3 | 5.0 | 5.7 | 5.3 | 5.3 | 5.7 | 5.7 | 6.0 | 5.5 |
| BEACON | 5.7 | 3.3 | 96.3 | 6.7 | 7.7 | 5.3 | 5.0 | 5.3 | 5.3 | 5.7 | 5.3 | 6.0 | 5.4 |
| DLFPS-FRC/3057 | 5.7 | 3.3 | 96.3 | 4.3 | 5.7 | 5.7 | 5.7 | 5.0 | 4.3 | 5.0 | 5.7 | 6.3 | 5.4 |
| DLFPS-FRC/3060 | 5.3 | 4.3 | 91.7 | 5.3 | 5.3 | 6.0 | 5.7 | 5.0 | 5.0 | 5.3 | 5.0 | 5.7 | 5.4 |
| MNHD-14 | 6.3 | 2.7 | 94.7 | 6.0 | 8.3 | 5.3 | 5.0 | 4.3 | 5.3 | 4.7 | 5.7 | 6.7 | 5.3 |
| RAD-FC44 | 6.0 | 2.7 | 91.7 | 5.0 | 6.0 | 6.3 | 5.3 | 5.0 | 5.0 | 5.0 | 4.7 | 6.0 | 5.3 |
| CARDINAL II (PPG-FRR 111) | 7.0 | 4.0 | 94.3 | 4.3 | 7.7 | 5.7 | 5.0 | 4.7 | 4.3 | 5.0 | 5.3 | 6.0 | 5.1 |
| RADAR | 6.0 | 4.0 | 95.0 | 2.7 | 6.0 | 6.3 | 5.7 | 4.3 | 4.0 | 4.0 | 5.0 | 6.3 | 5.1 |
| SWORD | 6.0 | 3.7 | 97.7 | 4.3 | 8.0 | 5.3 | 5.3 | 4.3 | 4.7 | 4.7 | 5.0 | 6.3 | 5.1 |
| BAR 6FR 126 | 5.3 | 4.7 | 93.0 | 3.3 | 5.0 | 6.7 | 6.7 | 4.7 | 3.7 | 3.0 | 4.7 | 5.7 | 5.0 |
| DLF-FRR 6162 | 7.0 | 3.0 | 97.7 | 3.3 | 8.3 | 5.3 | 5.0 | 4.0 | 4.3 | 5.0 | 5.7 | 5.7 | 5.0 |
| PST-4BND | 5.7 | 3.0 | 93.0 | 5.0 | 8.0 | 5.0 | 4.3 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.0 |
| PST-4ED4 | 7.0 | 3.7 | 95.0 | 5.7 | 8.0 | 5.3 | 4.7 | 4.3 | 5.0 | 4.7 | 5.3 | 5.7 | 5.0 |
| PST-4BEN | 7.0 | 3.3 | 94.7 | 4.3 | 8.0 | 5.0 | 4.7 | 4.0 | 4.7 | 4.7 | 5.0 | 5.3 | 4.8 |
| 7C34 | 7.0 | 4.0 | 85.0 | 5.0 | 6.3 | 5.3 | 5.0 | 4.7 | 4.3 | 5.0 | 4.0 | 4.7 | 4.7 |
| SEABREEZE GT | 5.3 | 4.0 | 68.3 | 5.0 | 5.7 | 5.7 | 5.7 | 4.7 | 4.7 | 4.3 | 3.7 | 4.0 | 4.7 |
| CASCADE | 5.3 | 3.3 | 90.0 | 3.7 | 7.0 | 5.0 | 4.3 | 3.3 | 4.0 | 5.0 | 5.0 | 5.3 | 4.6 |
| NAVIGATOR II | 7.0 | 4.3 | 60.0 | 6.0 | 6.3 | 5.7 | 5.0 | 5.0 | 4.7 | 4.0 | 3.0 | 3.3 | 4.4 |
| PST-4RUE | 7.0 | 3.3 | 96.3 | 4.3 | 8.3 | 4.3 | 4.3 | 3.3 | 3.3 | 4.7 | 4.7 | 6.0 | 4.4 |
| BAR FRT 5002 | 6.0 | 7.7 | 78.3 | 2.0 | 7.0 | 7.3 | 6.7 | 4.0 | 4.0 | 2.0 | 2.3 | 3.7 | 4.3 |
| PST-4DR4 | 6.7 | 4.0 | 88.3 | 4.7 | 7.0 | 4.3 | 4.0 | 4.3 | 3.7 | 4.7 | 4.7 | 4.7 | 4.3 |
| BEUDIN | 5.7 | 6.3 | 60.0 | 5.7 | 6.3 | 6.3 | 5.7 | 4.7 | 4.3 | 3.0 | 2.7 | 2.7 | 4.2 |
| DLFPS-FRR/3068 | 6.7 | 3.0 | 76.7 | 5.0 | 8.0 | 4.7 | 4.0 | 3.7 | 3.7 | 5.0 | 4.0 | 4.0 | 4.1 |
| KENT | 6.7 | 4.3 | 71.7 | 4.0 | 7.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.0 | 3.3 | 3.3 | 4.1 |
| RAD-FR33R | 7.0 | 3.3 | 70.0 | 3.3 | 7.3 | 6.0 | 4.3 | 4.0 | 4.0 | 4.0 | 2.7 | 3.7 | 4.1 |
| MARVEL | 6.7 | 4.7 | 70.0 | 4.7 | 6.0 | 5.3 | 4.0 | 4.3 | 4.0 | 4.0 | 3.0 | 3.3 | 4.0 |
| RAD-FR47 | 6.7 | 4.0 | 73.3 | 3.3 | 6.3 | 5.3 | 3.7 | 4.0 | 4.3 | 4.3 | 3.0 | 3.7 | 4.0 |
| DLFPS-FRR/3069 | 6.7 | 4.0 | 70.0 | 3.7 | 7.0 | 5.3 | 3.7 | 4.0 | 4.0 | 4.3 | 3.0 | 2.7 | 3.9 |
| BOREAL | 6.0 | 3.0 | 70.0 | 3.7 | 6.7 | 4.3 | 3.0 | 3.3 | 3.0 | 2.3 | 2.3 | 2.7 | 3.0 |
| LSD VALUE | 0.7 | 1.3 | 12.7 | 6.2 | 1.2 | 1.5 | 1.2 | 1.8 | 1.6 | 1.2 | 0.9 | 1.4 | 0.8 |
| C.V. (%) | 6.7 | 19.8 | 9.2 | 39.6 | 11.4 | 14.2 | 14.3 | 17.5 | 18.2 | 15.6 | 12.1 | 17.0 | 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 7B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2016 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DROUGHT TOLERANCE DORMANCY | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COMPASS II (PPG-FRC 113) | 5.7 | 4.7 | 99.0 | 5.3 | 6.0 | 6.7 | 6.3 | 5.7 | 5.3 | 6.0 | 6.3 | 8.0 | 6.3 |
| PPG-FRC 114 | 6.3 | 4.0 | 97.7 | 3.3 | 6.0 | 6.7 | 6.3 | 5.3 | 5.0 | 5.3 | 6.0 | 7.0 | 6.0 |
| DLF-FRC 3338 | 6.0 | 4.0 | 97.7 | 4.7 | 5.7 | 6.3 | 6.0 | 5.0 | 4.7 | 5.0 | 6.0 | 6.7 | 5.7 |
| BAR VV-VP3-CT | 6.3 | 4.7 | 97.7 | 4.0 | 5.3 | 6.0 | 5.7 | 5.0 | 5.0 | 5.3 | 6.0 | 6.3 | 5.6 |
| CASTLE (RAD-FC32) | 7.0 | 3.3 | 93.3 | 4.3 | 5.3 | 6.3 | 6.0 | 4.7 | 5.0 | 5.3 | 5.0 | 6.3 | 5.5 |
| DLFPS-FRC/3057 | 5.7 | 3.3 | 96.3 | 4.3 | 5.7 | 5.7 | 5.7 | 5.0 | 4.3 | 5.0 | 5.7 | 6.3 | 5.4 |
| DLFPS-FRC/3060 | 5.3 | 4.3 | 91.7 | 5.3 | 5.3 | 6.0 | 5.7 | 5.0 | 5.0 | 5.3 | 5.0 | 5.7 | 5.4 |
| RAD-FC44 | 6.0 | 2.7 | 91.7 | 5.0 | 6.0 | 6.3 | 5.3 | 5.0 | 5.0 | 5.0 | 4.7 | 6.0 | 5.3 |
| RADAR | 6.0 | 4.0 | 95.0 | 2.7 | 6.0 | 6.3 | 5.7 | 4.3 | 4.0 | 4.0 | 5.0 | 6.3 | 5.1 |
| BAR 6FR 126 | 5.3 | 4.7 | 93.0 | 3.3 | 5.0 | 6.7 | 6.7 | 4.7 | 3.7 | 3.0 | 4.7 | 5.7 | 5.0 |
| CASCADE | 5.3 | 3.3 | 90.0 | 3.7 | 7.0 | 5.0 | 4.3 | 3.3 | 4.0 | 5.0 | 5.0 | 5.3 | 4.6 |
| LSD VALUE | 0.8 | 1.3 | 7.0 | 4.3 | 1.8 | 1.2 | 1.2 | 1.3 | 1.9 | 1.4 | 1.0 | 1.9 | 0.9 |
| C.V. (%) | 7.5 | 17.1 | 3.6 | 38.3 | 13.2 | 9.4 | 10.9 | 13.6 | 17.0 | 14.9 | 10.2 | 13.7 | 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 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2016 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DROUGHT TOLERANCE DORMANCY | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C14-OS3 | 6.0 | 5.0 | 99.0 | 4.3 | 6.0 | 6.3 | 5.7 | 5.3 | 5.7 | 5.7 | 6.7 | 8.3 | 6.2 |
| CARDINAL II (PPG-FRR 111) | 7.0 | 4.0 | 94.3 | 4.3 | 7.7 | 5.7 | 5.0 | 4.7 | 4.3 | 5.0 | 5.3 | 6.0 | 5.1 |
| DLF-FRR 6162 | 7.0 | 3.0 | 97.7 | 3.3 | 8.3 | 5.3 | 5.0 | 4.0 | 4.3 | 5.0 | 5.7 | 5.7 | 5.0 |
| PST-4ED4 | 7.0 | 3.7 | 95.0 | 5.7 | 8.0 | 5.3 | 4.7 | 4.3 | 5.0 | 4.7 | 5.3 | 5.7 | 5.0 |
| PST-4BEN | 7.0 | 3.3 | 94.7 | 4.3 | 8.0 | 5.0 | 4.7 | 4.0 | 4.7 | 4.7 | 5.0 | 5.3 | 4.8 |
| 7C34 | 7.0 | 4.0 | 85.0 | 5.0 | 6.3 | 5.3 | 5.0 | 4.7 | 4.3 | 5.0 | 4.0 | 4.7 | 4.7 |
| NAVIGATOR II | 7.0 | 4.3 | 60.0 | 6.0 | 6.3 | 5.7 | 5.0 | 5.0 | 4.7 | 4.0 | 3.0 | 3.3 | 4.4 |
| PST-4RUE | 7.0 | 3.3 | 96.3 | 4.3 | 8.3 | 4.3 | 4.3 | 3.3 | 3.3 | 4.7 | 4.7 | 6.0 | 4.4 |
| PST-4DR4 | 6.7 | 4.0 | 88.3 | 4.7 | 7.0 | 4.3 | 4.0 | 4.3 | 3.7 | 4.7 | 4.7 | 4.7 | 4.3 |
| DLFPS-FRR/3068 | 6.7 | 3.0 | 76.7 | 5.0 | 8.0 | 4.7 | 4.0 | 3.7 | 3.7 | 5.0 | 4.0 | 4.0 | 4.1 |
| KENT | 6.7 | 4.3 | 71.7 | 4.0 | 7.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.0 | 3.3 | 3.3 | 4.1 |
| RAD-FR33R | 7.0 | 3.3 | 70.0 | 3.3 | 7.3 | 6.0 | 4.3 | 4.0 | 4.0 | 4.0 | 2.7 | 3.7 | 4.1 |
| MARVEL | 6.7 | 4.7 | 70.0 | 4.7 | 6.0 | 5.3 | 4.0 | 4.3 | 4.0 | 4.0 | 3.0 | 3.3 | 4.0 |
| RAD-FR47 | 6.7 | 4.0 | 73.3 | 3.3 | 6.3 | 5.3 | 3.7 | 4.0 | 4.3 | 4.3 | 3.0 | 3.7 | 4.0 |
| DLFPS-FRR/3069 | 6.7 | 4.0 | 70.0 | 3.7 | 7.0 | 5.3 | 3.7 | 4.0 | 4.0 | 4.3 | 3.0 | 2.7 | 3.9 |
| BOREAL | 6.0 | 3.0 | 70.0 | 3.7 | 6.7 | 4.3 | 3.0 | 3.3 | 3.0 | 2.3 | 2.3 | 2.7 | 3.0 |
| LSD VALUE | 1.0 | 0.9 | 18.8 | 3.7 | 1.6 | 1.7 | 1.7 | 1.6 | 1.3 | 0.8 | 0.8 | 1.5 | 0.7 |
| C.V. (%) | 6.3 | 13.8 | 13.2 | 30.7 | 11.6 | 14.2 | 18.2 | 16.4 | 15.7 | 11.0 | 12.4 | 20.2 | 9.3 |

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 7D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2016 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DROUGHT TOLERANCE DORMANCY | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DLFPS-FL/3060 | 6.0 | 4.0 | 96.3 | 5.3 | 8.0 | 6.3 | 6.0 | 5.7 | 6.0 | 6.0 | 5.7 | 6.3 | 6.0 |
| JETTY (PPG-FL 106) | 6.7 | 2.7 | 96.3 | 5.3 | 8.3 | 6.0 | 5.7 | 5.3 | 5.7 | 6.0 | 6.0 | 6.7 | 5.9 |
| MINIMUS | 6.0 | 5.7 | 88.3 | 5.7 | 8.0 | 7.3 | 6.7 | 5.7 | 6.3 | 5.0 | 5.3 | 4.7 | 5.9 |
| GLADIATOR (TH456) | 6.3 | 3.3 | 97.7 | 7.3 | 8.3 | 4.7 | 4.7 | 5.3 | 6.0 | 5.7 | 6.7 | 7.0 | 5.7 |
| QUATRO | 6.3 | 4.7 | 97.7 | 5.3 | 8.3 | 5.7 | 5.3 | 5.0 | 5.7 | 5.7 | 6.0 | 6.3 | 5.7 |
| RESOLUTE (7H7) | 6.3 | 3.0 | 97.7 | 5.3 | 7.7 | 5.3 | 5.3 | 5.3 | 5.7 | 6.0 | 5.7 | 6.3 | 5.7 |
| DLFPS-FL/3066 | 6.0 | 3.3 | 96.3 | 6.7 | 7.3 | 5.0 | 5.7 | 5.3 | 5.3 | 5.7 | 5.7 | 6.0 | 5.5 |
| BEACON | 5.7 | 3.3 | 96.3 | 6.7 | 7.7 | 5.3 | 5.0 | 5.3 | 5.3 | 5.7 | 5.3 | 6.0 | 5.4 |
| MNHD-14 | 6.3 | 2.7 | 94.7 | 6.0 | 8.3 | 5.3 | 5.0 | 4.3 | 5.3 | 4.7 | 5.7 | 6.7 | 5.3 |
| SWORD | 6.0 | 3.7 | 97.7 | 4.3 | 8.0 | 5.3 | 5.3 | 4.3 | 4.7 | 4.7 | 5.0 | 6.3 | 5.1 |
| PST-4BND | 5.7 | 3.0 | 93.0 | 5.0 | 8.0 | 5.0 | 4.3 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.0 |
| BEUDIN | 5.7 | 6.3 | 60.0 | 5.7 | 6.3 | 6.3 | 5.7 | 4.7 | 4.3 | 3.0 | 2.7 | 2.7 | 4.2 |
| LSD VALUE | 1.1 | 2.1 | 8.7 | 5.7 | 1.3 | 2.6 | 2.0 | 2.3 | 2.0 | 1.6 | 1.1 | 1.4 | 1.6 |
| C.V. (%) | 7.6 | 29.4 | 5.9 | 33.2 | 8.1 | 19.3 | 15.7 | 16.5 | 15.1 | 15.8 | 11.7 | 14.1 | 12.3 |

TABLE 7E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2016 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DROUGHT TOLERANCE DORMANCY | RED THREAD | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 6.0 | 5.0 | 95.0 | 4.3 | 5.3 | 7.0 | 7.0 | 5.0 | 5.0 | 6.0 | 5.0 | 6.3 | 5.9 |
| SEABREEZE GT | 5.3 | 4.0 | 68.3 | 5.0 | 5.7 | 5.7 | 5.7 | 4.7 | 4.7 | 4.3 | 3.7 | 4.0 | 4.7 |
| BAR FRT 5002 | 6.0 | 7.7 | 78.3 | 2.0 | 7.0 | 7.3 | 6.7 | 4.0 | 4.0 | 2.0 | 2.3 | 3.7 | 4.3 |
| LSD VALUE | 0.8 | 1.2 | 30.6 | 4.2 | 0.9 | 1.3 | 1.2 | 1.8 | 1.5 | 1.5 | 0.9 | 1.9 | 0.3 |
| C.V. (%) | 5.8 | 9.5 | 16.4 | 47.9 | 6.8 | 8.7 | 8.2 | 17.2 | 14.6 | 16.2 | 11.1 | 17.5 | 2.4 |

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 8A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DOLLAR SPOT | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RESOLUTE (7H7) | 7.0 | 4.3 | 90.0 | 7.7 | 8.0 | 7.7 | 6.7 | 5.3 | 5.7 | 4.0 | 5.3 | 6.1 |
| SEAMIST (PPG-FRT 101) | 5.3 | 6.7 | 95.0 | 6.0 | 6.7 | 6.3 | 6.3 | 5.7 | 5.3 | 5.0 | 6.0 | 5.9 |
| RADAR | 7.0 | 5.0 | 92.0 | 6.0 | 7.3 | 7.7 | 6.0 | 5.0 | 4.7 | 4.7 | 5.3 | 5.8 |
| BAR FRT 5002 | 2.0 | 3.0 | 91.7 | 5.7 | 6.7 | 7.0 | 6.3 | 5.0 | 4.3 | 4.3 | 6.0 | 5.7 |
| DLFPS-FRC/3057 | 6.3 | 5.0 | 94.3 | 7.7 | 7.3 | 6.3 | 5.7 | 5.3 | 4.3 | 5.3 | 5.3 | 5.7 |
| DLFPS-FRC/3060 | 6.0 | 6.7 | 93.0 | 6.3 | 6.7 | 6.3 | 6.7 | 5.0 | 4.7 | 4.7 | 6.0 | 5.7 |
| BAR VV-VP3-CT | 6.3 | 7.0 | 90.3 | 8.0 | 6.0 | 6.7 | 6.0 | 5.0 | 5.3 | 4.3 | 6.0 | 5.6 |
| C14-OS3 | 5.0 | 5.0 | 91.3 | 8.3 | 6.7 | 7.0 | 6.0 | 4.7 | 4.7 | 4.7 | 5.7 | 5.6 |
| DLFPS-FL/3060 | 5.3 | 4.7 | 92.7 | 7.7 | 7.0 | 6.0 | 6.3 | 5.7 | 5.0 | 4.3 | 5.0 | 5.6 |
| PPG-FRC 114 | 8.0 | 5.3 | 96.7 | 6.0 | 6.3 | 6.7 | 6.3 | 4.7 | 4.7 | 4.7 | 5.7 | 5.6 |
| CASTLE (RAD-FC32) | 7.0 | 2.7 | 85.3 | 5.3 | 7.0 | 7.7 | 6.3 | 4.7 | 4.0 | 4.0 | 5.0 | 5.5 |
| COMPASS II (PPG-FRC 113) | 6.3 | 6.0 | 90.7 | 6.7 | 6.7 | 7.0 | 6.0 | 4.3 | 4.0 | 4.7 | 5.7 | 5.5 |
| BAR 6FR 126 | 4.3 | 6.0 | 92.0 | 7.7 | 6.7 | 6.0 | 6.0 | 5.7 | 3.7 | 4.0 | 5.7 | 5.4 |
| BEUDIN | 1.0 | 3.0 | 81.3 | 4.3 | 5.7 | 7.0 | 5.7 | 5.7 | 4.0 | 3.7 | 5.3 | 5.3 |
| DLF-FRC 3338 | 5.7 | 5.0 | 84.0 | 5.7 | 7.0 | 7.7 | 5.7 | 4.7 | 3.3 | 4.0 | 4.7 | 5.3 |
| GLADIATOR (TH456) | 5.7 | 3.7 | 86.0 | 8.0 | 7.0 | 6.3 | 5.7 | 4.3 | 3.7 | 3.3 | 4.3 | 5.0 |
| JETTY (PPG-FL 106) | 6.3 | 3.3 | 83.0 | 8.3 | 6.3 | 5.3 | 5.3 | 5.0 | 5.0 | 3.7 | 4.7 | 5.0 |
| BEACON | 5.7 | 4.7 | 83.7 | 8.0 | 6.7 | 6.0 | 5.7 | 4.3 | 4.0 | 3.3 | 4.3 | 4.9 |
| MINIMUS | 6.3 | 4.3 | 77.0 | 7.3 | 7.0 | 6.3 | 5.3 | 4.3 | 4.3 | 3.0 | 3.7 | 4.9 |
| MNHD-14 | 6.7 | 3.3 | 93.3 | 8.0 | 6.3 | 5.3 | 5.0 | 4.7 | 4.7 | 4.0 | 4.3 | 4.9 |
| RAD-FC44 | 6.7 | 3.7 | 83.0 | 6.3 | 6.3 | 6.7 | 5.3 | 4.0 | 3.3 | 3.7 | 4.7 | 4.9 |
| SWORD | 6.3 | 4.0 | 87.0 | 8.0 | 6.3 | 5.3 | 5.3 | 4.3 | 4.7 | 3.7 | 4.7 | 4.9 |
| DLFPS-FL/3066 | 7.3 | 4.0 | 86.7 | 8.3 | 6.3 | 5.3 | 5.0 | 4.7 | 4.3 | 3.3 | 4.3 | 4.8 |
| SEABREEZE GT | 3.7 | 4.7 | 89.3 | 4.7 | 5.0 | 5.0 | 5.3 | 4.7 | 4.3 | 4.0 | 4.7 | 4.7 |
| CASCADE | 5.3 | 7.3 | 91.0 | 7.3 | 4.3 | 4.7 | 4.7 | 4.3 | 4.3 | 4.3 | 5.3 | 4.6 |
| PST-4BND | 6.3 | 3.3 | 88.0 | 8.0 | 5.7 | 4.3 | 4.7 | 4.0 | 4.3 | 4.0 | 4.7 | 4.5 |
| 7C34 | 4.3 | 4.3 | 83.0 | 4.0 | 5.3 | 6.0 | 5.7 | 4.7 | 3.0 | 2.7 | 3.7 | 4.4 |
| QUATRO | 4.3 | 5.0 | 85.0 | 7.7 | 6.0 | 4.0 | 4.7 | 3.7 | 4.0 | 4.0 | 4.7 | 4.4 |
| DLF-FRR 6162 | 4.0 | 5.7 | 84.3 | 3.0 | 5.3 | 5.0 | 4.7 | 4.3 | 3.0 | 2.7 | 3.3 | 4.0 |
| NAVIGATOR II | 5.0 | 6.0 | 75.7 | 3.7 | 5.3 | 5.3 | 5.0 | 4.0 | 2.7 | 2.3 | 3.0 | 4.0 |
| MARVEL | 4.0 | 6.3 | 72.7 | 3.0 | 4.7 | 5.3 | 5.0 | 4.3 | 2.7 | 2.0 | 3.3 | 3.9 |
| PST-4BEN | 5.3 | 5.7 | 70.3 | 3.7 | 4.7 | 5.7 | 5.0 | 3.7 | 2.7 | 2.0 | 3.3 | 3.9 |
| CARDINAL II (PPG-FRR 111) | 5.3 | 6.0 | 71.0 | 4.0 | 4.7 | 4.3 | 4.7 | 4.3 | 3.3 | 2.7 | 2.7 | 3.8 |
| DLFPS-FRR/3069 | 3.7 | 4.7 | 72.0 | 4.3 | 4.3 | 5.0 | 4.7 | 4.3 | 2.7 | 2.3 | 3.3 | 3.8 |
| PST-4DR4 | 4.3 | 6.7 | 74.3 | 2.3 | 5.3 | 5.3 | 4.7 | 3.7 | 2.7 | 2.0 | 2.7 | 3.8 |
| RAD-FR47 | 5.7 | 5.3 | 72.3 | 3.7 | 4.7 | 5.0 | 4.7 | 4.0 | 3.0 | 2.0 | 3.0 | 3.8 |
| BOREAL | 2.7 | 4.7 | 82.3 | 4.7 | 4.3 | 4.0 | 4.7 | 3.7 | 3.3 | 2.3 | 3.3 | 3.7 |
| RAD-FR33R | 6.0 | 6.3 | 72.3 | 3.7 | 4.7 | 5.3 | 4.0 | 3.3 | 3.0 | 2.0 | 3.3 | 3.7 |
| DLFPS-FRR/3068 | 4.3 | 3.7 | 72.0 | 2.7 | 4.7 | 5.0 | 5.0 | 3.7 | 2.3 | 1.7 | 2.7 | 3.6 |
| KENT | 4.0 | 6.3 | 67.7 | 3.7 | 4.3 | 3.7 | 4.7 | 4.0 | 2.3 | 2.0 | 3.3 | 3.5 |
| PST-4ED4 | 4.3 | 5.0 | 74.0 | 2.7 | 4.3 | 4.7 | 4.0 | 3.7 | 2.3 | 1.7 | 2.3 | 3.3 |
| PST-4RUE | 5.3 | 5.3 | 59.7 | 2.7 | 4.7 | 4.7 | 4.0 | 3.7 | 2.3 | 1.3 | 2.7 | 3.3 |
| LSD VALUE | 1.0 | 1.2 | 10.2 | 1.1 | 0.9 | 1.1 | 1.1 | 1.3 | 0.8 | 0.8 | 0.9 | 0.5 |
| C.V. (%) | 12.9 | 15.2 | 7.8 | 13.5 | 10.0 | 11.9 | 12.0 | 15.2 | 14.1 | 16.2 | 14.0 | 7.4 |

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 8B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2016 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DOLLAR SPOT | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RADAR | 7.0 | 5.0 | 92.0 | 6.0 | 7.3 | 7.7 | 6.0 | 5.0 | 4.7 | 4.7 | 5.3 | 5.8 |
| DLFPS-FRC/3057 | 6.3 | 5.0 | 94.3 | 7.7 | 7.3 | 6.3 | 5.7 | 5.3 | 4.3 | 5.3 | 5.3 | 5.7 |
| DLFPS-FRC/3060 | 6.0 | 6.7 | 93.0 | 6.3 | 6.7 | 6.3 | 6.7 | 5.0 | 4.7 | 4.7 | 6.0 | 5.7 |
| BAR VV-VP3-CT | 6.3 | 7.0 | 90.3 | 8.0 | 6.0 | 6.7 | 6.0 | 5.0 | 5.3 | 4.3 | 6.0 | 5.6 |
| PPG-FRC 114 | 8.0 | 5.3 | 96.7 | 6.0 | 6.3 | 6.7 | 6.3 | 4.7 | 4.7 | 4.7 | 5.7 | 5.6 |
| CASTLE (RAD-FC32) | 7.0 | 2.7 | 85.3 | 5.3 | 7.0 | 7.7 | 6.3 | 4.7 | 4.0 | 4.0 | 5.0 | 5.5 |
| COMPASS II (PPG-FRC 113) | 6.3 | 6.0 | 90.7 | 6.7 | 6.7 | 7.0 | 6.0 | 4.3 | 4.0 | 4.7 | 5.7 | 5.5 |
| BAR 6FR 126 | 4.3 | 6.0 | 92.0 | 7.7 | 6.7 | 6.0 | 6.0 | 5.7 | 3.7 | 4.0 | 5.7 | 5.4 |
| DLF-FRC 3338 | 5.7 | 5.0 | 84.0 | 5.7 | 7.0 | 7.7 | 5.7 | 4.7 | 3.3 | 4.0 | 4.7 | 5.3 |
| RAD-FC44 | 6.7 | 3.7 | 83.0 | 6.3 | 6.3 | 6.7 | 5.3 | 4.0 | 3.3 | 3.7 | 4.7 | 4.9 |
| CASCADE | 5.3 | 7.3 | 91.0 | 7.3 | 4.3 | 4.7 | 4.7 | 4.3 | 4.3 | 4.3 | 5.3 | 4.6 |
| LSD VALUE | 1.1 | 0.9 | 8.8 | 1.5 | 1.0 | 1.2 | 1.4 | 2.2 | 1.0 | 1.4 | 1.1 | 0.7 |
| C.V. (%) | 10.2 | 10.7 | 4.9 | 12.0 | 8.9 | 10.1 | 11.0 | 17.3 | 12.5 | 14.2 | 9.7 | 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 8C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2016 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DOLLAR SPOT | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C14-OS3 | 5.0 | 5.0 | 91.3 | 8.3 | 6.7 | 7.0 | 6.0 | 4.7 | 4.7 | 4.7 | 5.7 | 5.6 |
| 7C34 | 4.3 | 4.3 | 83.0 | 4.0 | 5.3 | 6.0 | 5.7 | 4.7 | 3.0 | 2.7 | 3.7 | 4.4 |
| DLF-FRR 6162 | 4.0 | 5.7 | 84.3 | 3.0 | 5.3 | 5.0 | 4.7 | 4.3 | 3.0 | 2.7 | 3.3 | 4.0 |
| NAVIGATOR II | 5.0 | 6.0 | 75.7 | 3.7 | 5.3 | 5.3 | 5.0 | 4.0 | 2.7 | 2.3 | 3.0 | 4.0 |
| MARVEL | 4.0 | 6.3 | 72.7 | 3.0 | 4.7 | 5.3 | 5.0 | 4.3 | 2.7 | 2.0 | 3.3 | 3.9 |
| PST-4BEN | 5.3 | 5.7 | 70.3 | 3.7 | 4.7 | 5.7 | 5.0 | 3.7 | 2.7 | 2.0 | 3.3 | 3.9 |
| CARDINAL II (PPG-FRR 111) | 5.3 | 6.0 | 71.0 | 4.0 | 4.7 | 4.3 | 4.7 | 4.3 | 3.3 | 2.7 | 2.7 | 3.8 |
| DLFPS-FRR/3069 | 3.7 | 4.7 | 72.0 | 4.3 | 4.3 | 5.0 | 4.7 | 4.3 | 2.7 | 2.3 | 3.3 | 3.8 |
| PST-4DR4 | 4.3 | 6.7 | 74.3 | 2.3 | 5.3 | 5.3 | 4.7 | 3.7 | 2.7 | 2.0 | 2.7 | 3.8 |
| RAD-FR47 | 5.7 | 5.3 | 72.3 | 3.7 | 4.7 | 5.0 | 4.7 | 4.0 | 3.0 | 2.0 | 3.0 | 3.8 |
| BOREAL | 2.7 | 4.7 | 82.3 | 4.7 | 4.3 | 4.0 | 4.7 | 3.7 | 3.3 | 2.3 | 3.3 | 3.7 |
| RAD-FR33R | 6.0 | 6.3 | 72.3 | 3.7 | 4.7 | 5.3 | 4.0 | 3.3 | 3.0 | 2.0 | 3.3 | 3.7 |
| DLFPS-FRR/3068 | 4.3 | 3.7 | 72.0 | 2.7 | 4.7 | 5.0 | 5.0 | 3.7 | 2.3 | 1.7 | 2.7 | 3.6 |
| KENT | 4.0 | 6.3 | 67.7 | 3.7 | 4.3 | 3.7 | 4.7 | 4.0 | 2.3 | 2.0 | 3.3 | 3.5 |
| PST-4ED4 | 4.3 | 5.0 | 74.0 | 2.7 | 4.3 | 4.7 | 4.0 | 3.7 | 2.3 | 1.7 | 2.3 | 3.3 |
| PST-4RUE | 5.3 | 5.3 | 59.7 | 2.7 | 4.7 | 4.7 | 4.0 | 3.7 | 2.3 | 1.3 | 2.7 | 3.3 |
| LSD VALUE | 1.4 | 1.5 | 17.9 | 1.3 | 1.0 | 1.2 | 1.3 | 1.7 | 1.2 | 0.9 | 1.1 | 0.6 |
| C.V. (%) | 16.9 | 14.6 | 11.5 | 22.4 | 11.3 | 13.2 | 13.0 | 16.0 | 20.9 | 22.9 | 19.7 | 9.2 |

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 8D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2016 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DOLLAR SPOT | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RESOLUTE (7H7) | 7.0 | 4.3 | 90.0 | 7.7 | 8.0 | 7.7 | 6.7 | 5.3 | 5.7 | 4.0 | 5.3 | 6.1 |
| DLFPS-FL/3060 | 5.3 | 4.7 | 92.7 | 7.7 | 7.0 | 6.0 | 6.3 | 5.7 | 5.0 | 4.3 | 5.0 | 5.6 |
| BEUDIN | 1.0 | 3.0 | 81.3 | 4.3 | 5.7 | 7.0 | 5.7 | 5.7 | 4.0 | 3.7 | 5.3 | 5.3 |
| GLADIATOR (TH456) | 5.7 | 3.7 | 86.0 | 8.0 | 7.0 | 6.3 | 5.7 | 4.3 | 3.7 | 3.3 | 4.3 | 5.0 |
| JETTY (PPG-FL 106) | 6.3 | 3.3 | 83.0 | 8.3 | 6.3 | 5.3 | 5.3 | 5.0 | 5.0 | 3.7 | 4.7 | 5.0 |
| BEACON | 5.7 | 4.7 | 83.7 | 8.0 | 6.7 | 6.0 | 5.7 | 4.3 | 4.0 | 3.3 | 4.3 | 4.9 |
| MINIMUS | 6.3 | 4.3 | 77.0 | 7.3 | 7.0 | 6.3 | 5.3 | 4.3 | 4.3 | 3.0 | 3.7 | 4.9 |
| MNHD-14 | 6.7 | 3.3 | 93.3 | 8.0 | 6.3 | 5.3 | 5.0 | 4.7 | 4.7 | 4.0 | 4.3 | 4.9 |
| SWORD | 6.3 | 4.0 | 87.0 | 8.0 | 6.3 | 5.3 | 5.3 | 4.3 | 4.7 | 3.7 | 4.7 | 4.9 |
| DLFPS-FL/3066 | 7.3 | 4.0 | 86.7 | 8.3 | 6.3 | 5.3 | 5.0 | 4.7 | 4.3 | 3.3 | 4.3 | 4.8 |
| PST-4BND | 6.3 | 3.3 | 88.0 | 8.0 | 5.7 | 4.3 | 4.7 | 4.0 | 4.3 | 4.0 | 4.7 | 4.5 |
| QUATRO | 4.3 | 5.0 | 85.0 | 7.7 | 6.0 | 4.0 | 4.7 | 3.7 | 4.0 | 4.0 | 4.7 | 4.4 |
| LSD VALUE | 1.0 | 2.2 | 11.8 | 1.1 | 1.4 | 1.3 | 1.2 | 1.1 | 0.7 | 1.1 | 1.3 | 0.6 |
| C.V. (%) | 11.8 | 23.2 | 6.4 | 8.5 | 10.6 | 13.5 | 11.5 | 12.9 | 9.1 | 13.3 | 12.8 | 6.7 |

TABLE 8E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2016 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | GROUND COVER FALL | DOLLAR SPOT | QUALITY RATINGS APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 5.3 | 6.7 | 95.0 | 6.0 | 6.7 | 6.3 | 6.3 | 5.7 | 5.3 | 5.0 | 6.0 | 5.9 |
| BAR FRT 5002 | 2.0 | 3.0 | 91.7 | 5.7 | 6.7 | 7.0 | 6.3 | 5.0 | 4.3 | 4.3 | 6.0 | 5.7 |
| SEABREEZE GT | 3.7 | 4.7 | 89.3 | 4.7 | 5.0 | 5.0 | 5.3 | 4.7 | 4.3 | 4.0 | 4.7 | 4.7 |
| LSD VALUE | 1.3 | 1.2 | 7.6 | 1.5 | 0.8 | 1.2 | 1.6 | 0.8 | 1.3 | 1.5 | 1.5 | 0.6 |
| C.V. (%) | 15.7 | 11.0 | 3.5 | 12.2 | 5.5 | 8.6 | 11.8 | 6.5 | 12.4 | 15.0 | 12.0 | 5.0 |

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 9A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| | SPRING | PERCENT GROUND COVER | | | QUALITY RATINGS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | GREENUP | SPRING | SUMMER | FALL | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| SEABREEZE GT | 5.7 | 83.3 | 95.3 | 80.0 | 5.7 | 6.7 | 6.3 | 7.0 | 7.3 | 7.0 | 6.7 | 5.0 | 4.7 | 6.3 |
| DLF-FRC 3338 | 6.3 | 88.0 | 94.0 | 86.7 | 6.3 | 7.3 | 7.0 | 6.0 | 7.0 | 6.7 | 5.7 | 5.0 | 4.7 | 6.2 |
| BEUDIN | 6.0 | 88.0 | 84.7 | 83.3 | 6.0 | 6.7 | 6.0 | 6.0 | 6.3 | 6.3 | 6.7 | 5.7 | 5.3 | 6.1 |
| CASTLE (RAD-FC32) | 5.7 | 88.0 | 94.0 | 86.7 | 5.7 | 7.0 | 6.7 | 6.3 | 7.0 | 6.7 | 6.3 | 5.0 | 4.7 | 6.1 |
| DLF-FRR 6162 | 6.0 | 83.3 | 94.0 | 76.7 | 6.0 | 6.7 | 6.3 | 6.3 | 7.0 | 6.3 | 6.3 | 5.0 | 4.7 | 6.1 |
| DLFPS-FRC/3060 | 6.0 | 83.3 | 94.0 | 76.7 | 6.0 | 6.7 | 6.3 | 6.7 | 7.0 | 6.7 | 6.3 | 5.0 | 4.7 | 6.1 |
| DLFPS-FRR/3069 | 5.7 | 80.0 | 94.0 | 76.7 | 5.7 | 7.3 | 7.0 | 7.0 | 7.0 | 6.3 | 5.3 | 4.7 | 4.3 | 6.1 |
| BAR 6FR 126 | 5.3 | 83.3 | 94.0 | 83.3 | 5.3 | 6.7 | 6.0 | 6.3 | 7.0 | 6.3 | 6.0 | 5.3 | 4.7 | 6.0 |
| BAR FRT 5002 | 5.7 | 83.3 | 89.3 | 80.0 | 5.7 | 6.3 | 6.3 | 6.0 | 6.7 | 6.7 | 6.3 | 5.3 | 4.7 | 6.0 |
| CARDINAL II (PPG-FRR 111) | 5.3 | 76.7 | 94.0 | 80.0 | 5.3 | 7.0 | 7.0 | 6.3 | 7.0 | 6.3 | 5.7 | 5.0 | 4.3 | 6.0 |
| MARVEL | 6.0 | 88.0 | 94.0 | 76.7 | 6.0 | 6.7 | 6.3 | 6.0 | 7.0 | 6.3 | 6.0 | 5.0 | 4.3 | 6.0 |
| PST-4DR4 | 5.0 | 80.0 | 94.0 | 73.3 | 5.0 | 7.0 | 6.7 | 6.7 | 7.0 | 6.7 | 6.0 | 4.7 | 4.3 | 6.0 |
| RAD-FC44 | 5.7 | 83.3 | 94.0 | 80.0 | 5.7 | 7.0 | 6.7 | 6.3 | 7.0 | 6.3 | 5.7 | 5.0 | 4.7 | 6.0 |
| SWORD | 5.3 | 80.0 | 94.0 | 73.3 | 5.3 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 6.7 | 4.7 | 4.0 | 6.0 |
| 7C34 | 5.3 | 80.0 | 84.7 | 73.3 | 5.3 | 7.3 | 6.7 | 6.0 | 6.3 | 6.3 | 5.7 | 5.0 | 4.3 | 5.9 |
| BAR VV-VP3-CT | 5.7 | 83.3 | 89.3 | 80.0 | 5.7 | 6.3 | 6.3 | 6.3 | 6.7 | 6.3 | 5.7 | 5.0 | 4.3 | 5.9 |
| C14-OS3 | 5.3 | 80.0 | 94.0 | 80.0 | 5.3 | 6.7 | 6.3 | 6.3 | 7.0 | 6.0 | 5.7 | 5.3 | 4.7 | 5.9 |
| COMPASS II (PPG-FRC 113) | 5.3 | 83.3 | 89.3 | 83.3 | 5.3 | 6.7 | 6.3 | 6.3 | 6.7 | 6.0 | 5.7 | 5.0 | 5.0 | 5.9 |
| DLFPS-FL/3066 | 5.3 | 83.3 | 89.3 | 76.7 | 5.3 | 7.0 | 6.0 | 6.3 | 6.7 | 6.3 | 6.0 | 4.7 | 4.7 | 5.9 |
| DLFPS-FRC/3057 | 5.7 | 83.3 | 89.3 | 83.3 | 5.7 | 7.0 | 6.7 | 6.0 | 6.3 | 6.3 | 5.3 | 5.0 | 5.0 | 5.9 |
| JETTY (PPG-FL 106) | 5.7 | 83.3 | 89.3 | 76.7 | 5.7 | 6.3 | 6.0 | 6.3 | 6.3 | 6.3 | 6.0 | 5.3 | 4.7 | 5.9 |
| PST-4BEN | 5.3 | 80.0 | 89.3 | 76.7 | 5.3 | 7.0 | 6.7 | 6.3 | 6.3 | 6.3 | 5.7 | 5.0 | 4.7 | 5.9 |
| PST-4ED4 | 5.0 | 80.0 | 94.0 | 76.7 | 5.0 | 7.0 | 6.3 | 6.7 | 6.7 | 6.3 | 5.7 | 4.7 | 4.3 | 5.9 |
| PST-4RUE | 5.7 | 86.7 | 89.3 | 73.3 | 5.7 | 7.0 | 6.0 | 6.7 | 6.7 | 6.0 | 5.7 | 5.0 | 4.3 | 5.9 |
| RAD-FR33R | 5.0 | 83.3 | 89.3 | 76.7 | 5.0 | 7.0 | 6.7 | 6.3 | 6.7 | 6.7 | 6.0 | 5.0 | 4.0 | 5.9 |
| RAD-FR47 | 5.0 | 80.0 | 94.0 | 70.0 | 5.0 | 7.0 | 6.7 | 7.0 | 7.0 | 6.0 | 5.7 | 4.7 | 4.0 | 5.9 |
| RADAR | 6.0 | 86.7 | 89.3 | 80.0 | 6.0 | 6.7 | 6.0 | 6.3 | 6.7 | 6.3 | 5.7 | 5.0 | 4.7 | 5.9 |
| RESOLUTE (7H7) | 5.3 | 83.3 | 89.3 | 70.0 | 5.3 | 6.7 | 6.0 | 6.7 | 6.7 | 6.7 | 6.0 | 5.0 | 4.0 | 5.9 |
| SEAMIST (PPG-FRT 101) | 5.3 | 80.0 | 89.3 | 86.7 | 5.3 | 6.7 | 6.3 | 6.7 | 6.7 | 6.0 | 5.7 | 4.7 | 5.0 | 5.9 |
| BEACON | 5.7 | 83.3 | 94.0 | 76.7 | 5.7 | 6.0 | 6.0 | 6.3 | 7.0 | 6.3 | 5.7 | 4.7 | 4.7 | 5.8 |
| DLFPS-FL/3060 | 5.3 | 80.0 | 89.3 | 70.0 | 5.3 | 6.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.0 | 4.3 | 4.0 | 5.8 |
| GLADIATOR (TH456) | 5.7 | 83.3 | 94.0 | 73.3 | 5.7 | 6.3 | 6.0 | 6.3 | 7.0 | 6.3 | 5.3 | 5.0 | 4.3 | 5.8 |
| MINIMUS | 6.3 | 86.7 | 84.7 | 80.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0 | 5.7 | 5.0 | 4.7 | 5.8 |
| NAVIGATOR II | 5.7 | 83.3 | 89.3 | 73.3 | 5.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.3 | 5.3 | 4.7 | 4.3 | 5.8 |
| PPG-FRC 114 | 5.7 | 83.3 | 89.3 | 76.7 | 5.7 | 6.7 | 6.7 | 6.3 | 6.0 | 6.0 | 5.3 | 5.0 | 4.3 | 5.8 |
| DLFPS-FRR/3068 | 5.3 | 80.0 | 84.7 | 73.3 | 5.3 | 7.0 | 6.7 | 6.0 | 6.3 | 5.7 | 5.3 | 4.3 | 4.3 | 5.7 |
| PST-4BND | 5.3 | 83.3 | 84.7 | 73.3 | 5.3 | 6.3 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 4.7 | 4.3 | 5.7 |
| QUATRO | 5.7 | 80.0 | 89.3 | 80.0 | 5.7 | 5.7 | 5.3 | 6.0 | 6.3 | 6.3 | 6.0 | 5.0 | 4.7 | 5.7 |
| BOREAL | 5.7 | 86.7 | 94.0 | 70.0 | 5.7 | 6.7 | 6.0 | 6.3 | 7.0 | 6.0 | 5.3 | 4.0 | 3.7 | 5.6 |
| CASCADE | 5.3 | 80.0 | 84.7 | 80.0 | 5.3 | 6.3 | 6.0 | 6.0 | 6.0 | 5.7 | 5.7 | 4.3 | 5.0 | 5.6 |
| MNHD-14 | 5.3 | 83.3 | 84.7 | 76.7 | 5.3 | 6.3 | 6.0 | 6.0 | 6.3 | 6.0 | 5.0 | 4.7 | 4.7 | 5.6 |
| KENT | 5.0 | 83.3 | 89.3 | 73.3 | 5.0 | 6.3 | 6.0 | 6.0 | 6.7 | 6.0 | 5.3 | 4.3 | 4.0 | 5.5 |
| LSD VALUE | 3.0 | 18.9 | 19.7 | 11.3 | 3.0 | 1.1 | 0.9 | 0.7 | 1.9 | 2.6 | 1.1 | 1.1 | 1.7 | 0.6 |
| C.V. (%) | 12.6 | 6.1 | 6.4 | 7.1 | 12.6 | 7.4 | 6.8 | 5.8 | 8.2 | 9.7 | 8.6 | 9.0 | 12.0 | 3.9 |

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 9B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2016 DATA

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

| | SPRING | PERCENT GROUND COVER | | | QUALITY RATINGS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | GREENUP | SPRING | SUMMER | FALL | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| DLF-FRC 3338 | 6.3 | 88.0 | 94.0 | 86.7 | 6.3 | 7.3 | 7.0 | 6.0 | 7.0 | 6.7 | 5.7 | 5.0 | 4.7 | 6.2 |
| CASTLE (RAD-FC32) | 5.7 | 88.0 | 94.0 | 86.7 | 5.7 | 7.0 | 6.7 | 6.3 | 7.0 | 6.7 | 6.3 | 5.0 | 4.7 | 6.1 |
| DLFPS-FRC/3060 | 6.0 | 83.3 | 94.0 | 76.7 | 6.0 | 6.7 | 6.3 | 6.7 | 7.0 | 6.7 | 6.3 | 5.0 | 4.7 | 6.1 |
| BAR 6FR 126 | 5.3 | 83.3 | 94.0 | 83.3 | 5.3 | 6.7 | 6.0 | 6.3 | 7.0 | 6.3 | 6.0 | 5.3 | 4.7 | 6.0 |
| RAD-FC44 | 5.7 | 83.3 | 94.0 | 80.0 | 5.7 | 7.0 | 6.7 | 6.3 | 7.0 | 6.3 | 5.7 | 5.0 | 4.7 | 6.0 |
| BAR VV-VP3-CT | 5.7 | 83.3 | 89.3 | 80.0 | 5.7 | 6.3 | 6.3 | 6.3 | 6.7 | 6.3 | 5.7 | 5.0 | 4.3 | 5.9 |
| COMPASS II (PPG-FRC 113) | 5.3 | 83.3 | 89.3 | 83.3 | 5.3 | 6.7 | 6.3 | 6.3 | 6.7 | 6.0 | 5.7 | 5.0 | 5.0 | 5.9 |
| DLFPS-FRC/3057 | 5.7 | 83.3 | 89.3 | 83.3 | 5.7 | 7.0 | 6.7 | 6.0 | 6.3 | 6.3 | 5.3 | 5.0 | 5.0 | 5.9 |
| RADAR | 6.0 | 86.7 | 89.3 | 80.0 | 6.0 | 6.7 | 6.0 | 6.3 | 6.7 | 6.3 | 5.7 | 5.0 | 4.7 | 5.9 |
| PPG-FRC 114 | 5.7 | 83.3 | 89.3 | 76.7 | 5.7 | 6.7 | 6.7 | 6.3 | 6.0 | 6.0 | 5.3 | 5.0 | 4.3 | 5.8 |
| CASCADE | 5.3 | 80.0 | 84.7 | 80.0 | 5.3 | 6.3 | 6.0 | 6.0 | 6.0 | 5.7 | 5.7 | 4.3 | 5.0 | 5.6 |
| LSD VALUE | 2.0 | 14.6 | 14.9 | 19.9 | 2.0 | 1.3 | 1.1 | 1.1 | 1.6 | 1.3 | 1.0 | 0.5 | 1.7 | 0.5 |
| C.V. (%) | 12.0 | 6.1 | 6.2 | 8.7 | 12.0 | 7.6 | 7.3 | 6.3 | 9.3 | 8.2 | 7.8 | 4.7 | 12.2 | 3.6 |

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 9C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2016 DATA

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

| | SPRING | PERCENT GROUND COVER | | | QUALITY RATINGS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | GREENUP | SPRING | SUMMER | FALL | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| DLF-FRR 6162 | 6.0 | 83.3 | 94.0 | 76.7 | 6.0 | 6.7 | 6.3 | 6.3 | 7.0 | 6.3 | 6.3 | 5.0 | 4.7 | 6.1 |
| DLFPS-FRR/3069 | 5.7 | 80.0 | 94.0 | 76.7 | 5.7 | 7.3 | 7.0 | 7.0 | 7.0 | 6.3 | 5.3 | 4.7 | 4.3 | 6.1 |
| CARDINAL II (PPG-FRR 111) | 5.3 | 76.7 | 94.0 | 80.0 | 5.3 | 7.0 | 7.0 | 6.3 | 7.0 | 6.3 | 5.7 | 5.0 | 4.3 | 6.0 |
| MARVEL | 6.0 | 88.0 | 94.0 | 76.7 | 6.0 | 6.7 | 6.3 | 6.0 | 7.0 | 6.3 | 6.0 | 5.0 | 4.3 | 6.0 |
| PST-4DR4 | 5.0 | 80.0 | 94.0 | 73.3 | 5.0 | 7.0 | 6.7 | 6.7 | 7.0 | 6.7 | 6.0 | 4.7 | 4.3 | 6.0 |
| 7C34 | 5.3 | 80.0 | 84.7 | 73.3 | 5.3 | 7.3 | 6.7 | 6.0 | 6.3 | 6.3 | 5.7 | 5.0 | 4.3 | 5.9 |
| C14-OS3 | 5.3 | 80.0 | 94.0 | 80.0 | 5.3 | 6.7 | 6.3 | 6.3 | 7.0 | 6.0 | 5.7 | 5.3 | 4.7 | 5.9 |
| PST-4BEN | 5.3 | 80.0 | 89.3 | 76.7 | 5.3 | 7.0 | 6.7 | 6.3 | 6.3 | 6.3 | 5.7 | 5.0 | 4.7 | 5.9 |
| PST-4ED4 | 5.0 | 80.0 | 94.0 | 76.7 | 5.0 | 7.0 | 6.3 | 6.7 | 6.7 | 6.3 | 5.7 | 4.7 | 4.3 | 5.9 |
| PST-4RUE | 5.7 | 86.7 | 89.3 | 73.3 | 5.7 | 7.0 | 6.0 | 6.7 | 6.7 | 6.0 | 5.7 | 5.0 | 4.3 | 5.9 |
| RAD-FR33R | 5.0 | 83.3 | 89.3 | 76.7 | 5.0 | 7.0 | 6.7 | 6.3 | 6.7 | 6.7 | 6.0 | 5.0 | 4.0 | 5.9 |
| RAD-FR47 | 5.0 | 80.0 | 94.0 | 70.0 | 5.0 | 7.0 | 6.7 | 7.0 | 7.0 | 6.0 | 5.7 | 4.7 | 4.0 | 5.9 |
| NAVIGATOR II | 5.7 | 83.3 | 89.3 | 73.3 | 5.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.3 | 5.3 | 4.7 | 4.3 | 5.8 |
| DLFPS-FRR/3068 | 5.3 | 80.0 | 84.7 | 73.3 | 5.3 | 7.0 | 6.7 | 6.0 | 6.3 | 5.7 | 5.3 | 4.3 | 4.3 | 5.7 |
| BOREAL | 5.7 | 86.7 | 94.0 | 70.0 | 5.7 | 6.7 | 6.0 | 6.3 | 7.0 | 6.0 | 5.3 | 4.0 | 3.7 | 5.6 |
| KENT | 5.0 | 83.3 | 89.3 | 73.3 | 5.0 | 6.3 | 6.0 | 6.0 | 6.7 | 6.0 | 5.3 | 4.3 | 4.0 | 5.5 |
| LSD VALUE | 2.0 | 13.2 | 14.7 | 11.2 | 2.0 | 1.4 | 1.1 | 0.7 | 1.4 | 2.0 | 1.6 | 1.1 | 1.3 | 0.7 |
| C.V. (%) | 12.4 | 6.0 | 6.0 | 5.9 | 12.4 | 7.1 | 6.9 | 5.6 | 7.0 | 9.8 | 9.7 | 9.8 | 10.9 | 4.5 |

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 9D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2016 DATA

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

| | SPRING | PERCENT GROUND COVER | | | QUALITY RATINGS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | GREENUP | SPRING | SUMMER | FALL | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| BEUDIN | 6.0 | 88.0 | 84.7 | 83.3 | 6.0 | 6.7 | 6.0 | 6.0 | 6.3 | 6.3 | 6.7 | 5.7 | 5.3 | 6.1 |
| SWORD | 5.3 | 80.0 | 94.0 | 73.3 | 5.3 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 6.7 | 4.7 | 4.0 | 6.0 |
| DLFPS-FL/3066 | 5.3 | 83.3 | 89.3 | 76.7 | 5.3 | 7.0 | 6.0 | 6.3 | 6.7 | 6.3 | 6.0 | 4.7 | 4.7 | 5.9 |
| JETTY (PPG-FL 106) | 5.7 | 83.3 | 89.3 | 76.7 | 5.7 | 6.3 | 6.0 | 6.3 | 6.3 | 6.3 | 6.0 | 5.3 | 4.7 | 5.9 |
| RESOLUTE (7H7) | 5.3 | 83.3 | 89.3 | 70.0 | 5.3 | 6.7 | 6.0 | 6.7 | 6.7 | 6.7 | 6.0 | 5.0 | 4.0 | 5.9 |
| BEACON | 5.7 | 83.3 | 94.0 | 76.7 | 5.7 | 6.0 | 6.0 | 6.3 | 7.0 | 6.3 | 5.7 | 4.7 | 4.7 | 5.8 |
| DLFPS-FL/3060 | 5.3 | 80.0 | 89.3 | 70.0 | 5.3 | 6.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.0 | 4.3 | 4.0 | 5.8 |
| GLADIATOR (TH456) | 5.7 | 83.3 | 94.0 | 73.3 | 5.7 | 6.3 | 6.0 | 6.3 | 7.0 | 6.3 | 5.3 | 5.0 | 4.3 | 5.8 |
| MINIMUS | 6.3 | 86.7 | 84.7 | 80.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0 | 5.7 | 5.0 | 4.7 | 5.8 |
| PST-4BND | 5.3 | 83.3 | 84.7 | 73.3 | 5.3 | 6.3 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 4.7 | 4.3 | 5.7 |
| QUATRO | 5.7 | 80.0 | 89.3 | 80.0 | 5.7 | 5.7 | 5.3 | 6.0 | 6.3 | 6.3 | 6.0 | 5.0 | 4.7 | 5.7 |
| MNHD-14 | 5.3 | 83.3 | 84.7 | 76.7 | 5.3 | 6.3 | 6.0 | 6.0 | 6.3 | 6.0 | 5.0 | 4.7 | 4.7 | 5.6 |
| LSD VALUE | 2.3 | 13.9 | 18.0 | 11.5 | 2.3 | 0.9 | 0.4 | 0.8 | 1.7 | 2.0 | 0.8 | 1.3 | 1.5 | 0.5 |
| C.V. (%) | 13.9 | 5.9 | 7.5 | 6.8 | 13.9 | 6.9 | 3.8 | 6.0 | 9.1 | 10.3 | 7.1 | 10.9 | 13.3 | 3.6 |

TABLE 9E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2016 DATA

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

| | SPRING | PERCENT GROUND COVER | | | QUALITY RATINGS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | GREENUP | SPRING | SUMMER | FALL | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| SEABREEZE GT | 5.7 | 83.3 | 95.3 | 80.0 | 5.7 | 6.7 | 6.3 | 7.0 | 7.3 | 7.0 | 6.7 | 5.0 | 4.7 | 6.3 |
| BAR FRT 5002 | 5.7 | 83.3 | 89.3 | 80.0 | 5.7 | 6.3 | 6.3 | 6.0 | 6.7 | 6.7 | 6.3 | 5.3 | 4.7 | 6.0 |
| SEAMIST (PPG-FRT 101) | 5.3 | 80.0 | 89.3 | 86.7 | 5.3 | 6.7 | 6.3 | 6.7 | 6.7 | 6.0 | 5.7 | 4.7 | 5.0 | 5.9 |
| LSD VALUE | 1.5 | 12.2 | 16.4 | 7.7 | 1.5 | 0.8 | 1.3 | 0.8 | 1.2 | 0.8 | 0.8 | 0.9 | 1.2 | 0.4 |
| C.V. (%) | 12.0 | 6.4 | 7.7 | 4.1 | 12.0 | 5.1 | 9.1 | 5.1 | 7.7 | 5.1 | 5.4 | 8.2 | 11.0 | 3.0 |

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 10A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS GROWN UNDER SHADE AT CARBONDALE, IL 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME | PERCENT COVER SPRING | PERCENT COVER SUMMER | QUALITY RATINGS MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DLFPS-FRC/3057 | 87.3 | 77.3 | 7.3 | 7.3 | 8.3 | 7.3 | 6.7 | 7.0 | 6.7 | 7.0 | 6.7 | 7.1 |
| COMPASS II (PPG-FRC 113) | 93.0 | 68.7 | 7.3 | 8.3 | 8.7 | 7.7 | 7.0 | 5.7 | 5.7 | 6.7 | 6.3 | 7.0 |
| DLF-FRC 3338 | 86.0 | 53.7 | 7.7 | 7.7 | 8.3 | 7.3 | 6.3 | 5.3 | 6.7 | 6.7 | 6.0 | 6.9 |
| DLF-FRR 6162 | 91.0 | 58.0 | 7.3 | 7.7 | 8.7 | 7.7 | 6.3 | 5.0 | 5.7 | 6.3 | 6.0 | 6.7 |
| RAD-FC44 | 88.7 | 54.3 | 7.0 | 7.7 | 8.0 | 7.0 | 6.3 | 5.7 | 6.0 | 6.3 | 5.7 | 6.6 |
| CASTLE (RAD-FC32) | 93.0 | 53.7 | 7.7 | 8.0 | 7.7 | 7.3 | 6.0 | 5.0 | 5.0 | 5.7 | 6.0 | 6.5 |
| BAR VV-VP3-CT | 91.3 | 58.3 | 7.0 | 8.0 | 8.0 | 6.3 | 6.0 | 5.0 | 4.7 | 6.3 | 6.0 | 6.4 |
| DLFPS-FL/3060 | 88.3 | 55.3 | 7.7 | 7.3 | 8.0 | 7.0 | 6.0 | 4.7 | 5.0 | 6.0 | 5.7 | 6.4 |
| DLFPS-FRC/3060 | 91.7 | 58.0 | 7.3 | 7.7 | 9.0 | 6.3 | 6.0 | 5.0 | 5.0 | 6.0 | 5.7 | 6.4 |
| C14-OS3 | 90.3 | 53.0 | 7.3 | 7.7 | 9.0 | 6.7 | 5.7 | 5.0 | 5.0 | 5.0 | 5.3 | 6.3 |
| PPG-FRC 114 | 87.0 | 57.0 | 7.0 | 7.7 | 8.0 | 6.7 | 5.7 | 5.3 | 4.7 | 5.7 | 5.3 | 6.2 |
| RADAR | 79.3 | 41.3 | 7.0 | 7.7 | 7.0 | 6.3 | 5.7 | 5.0 | 4.7 | 6.0 | 5.7 | 6.1 |
| JETTY (PPG-FL 106) | 92.3 | 43.0 | 8.3 | 8.3 | 8.0 | 7.0 | 5.3 | 4.0 | 4.3 | 4.7 | 4.3 | 6.0 |
| SEAMIST (PPG-FRT 101) | 73.3 | 55.0 | 7.0 | 7.0 | 6.7 | 6.0 | 5.0 | 4.7 | 5.3 | 6.3 | 6.0 | 6.0 |
| MINIMUS | 73.3 | 49.0 | 6.7 | 7.0 | 6.0 | 6.7 | 6.0 | 5.0 | 5.0 | 6.0 | 5.0 | 5.9 |
| PST-4BND | 88.3 | 61.0 | 6.7 | 7.0 | 7.0 | 6.3 | 5.3 | 5.0 | 4.3 | 5.7 | 5.3 | 5.9 |
| 7C34 | 82.7 | 37.0 | 7.3 | 7.0 | 7.7 | 6.0 | 5.3 | 4.3 | 4.0 | 5.3 | 5.0 | 5.8 |
| BEUDIN | 88.7 | 37.3 | 7.0 | 7.3 | 8.0 | 7.3 | 5.0 | 3.3 | 4.0 | 5.3 | 4.7 | 5.8 |
| PST-4RUE | 86.3 | 38.3 | 7.0 | 7.0 | 8.0 | 6.7 | 5.3 | 4.0 | 4.3 | 5.0 | 5.0 | 5.8 |
| RAD-FR33R | 87.3 | 49.7 | 7.3 | 7.0 | 7.0 | 7.0 | 5.7 | 4.3 | 4.0 | 4.7 | 5.0 | 5.8 |
| SEABREEZE GT | 73.3 | 34.7 | 8.0 | 7.7 | 7.0 | 6.7 | 5.3 | 3.7 | 4.3 | 4.7 | 5.0 | 5.8 |
| BAR FRT 5002 | 92.0 | 32.0 | 7.7 | 7.3 | 7.7 | 7.7 | 5.0 | 2.3 | 3.3 | 4.7 | 4.3 | 5.6 |
| PST-4BEN | 91.0 | 27.7 | 7.7 | 7.7 | 7.3 | 7.0 | 5.3 | 3.3 | 3.3 | 4.3 | 4.3 | 5.6 |
| KENT | 80.7 | 39.0 | 7.0 | 7.7 | 7.0 | 6.0 | 4.7 | 3.7 | 4.0 | 4.7 | 4.7 | 5.5 |
| PST-4ED4 | 84.0 | 33.3 | 6.3 | 7.0 | 7.7 | 7.7 | 5.7 | 3.3 | 3.3 | 4.7 | 3.7 | 5.5 |
| SWORD | 67.3 | 28.3 | 7.0 | 6.3 | 6.7 | 6.7 | 5.3 | 5.0 | 3.3 | 4.3 | 4.7 | 5.5 |
| PST-4DR4 | 90.3 | 27.0 | 7.0 | 7.0 | 7.0 | 7.3 | 5.7 | 3.7 | 3.3 | 4.3 | 3.7 | 5.4 |
| GLADIATOR (TH456) | 61.3 | 47.3 | 5.7 | 5.7 | 5.7 | 5.3 | 5.0 | 5.3 | 4.7 | 5.3 | 5.3 | 5.3 |
| NAVIGATOR II | 80.0 | 25.7 | 7.3 | 7.3 | 6.3 | 6.0 | 4.7 | 4.0 | 3.3 | 4.3 | 4.7 | 5.3 |
| CASCADE | 79.7 | 41.3 | 6.7 | 7.7 | 7.3 | 5.3 | 4.3 | 4.0 | 2.3 | 4.3 | 4.7 | 5.2 |
| DLFPS-FRR/3068 | 63.0 | 28.0 | 6.7 | 6.0 | 6.0 | 7.0 | 5.3 | 4.7 | 3.3 | 3.7 | 4.0 | 5.2 |
| MARVEL | 82.0 | 19.7 | 7.0 | 7.7 | 7.3 | 6.0 | 5.0 | 3.0 | 3.3 | 3.7 | 4.0 | 5.2 |
| CARDINAL II (PPG-FRR 111) | 83.7 | 4.7 | 7.3 | 7.0 | 7.3 | 7.0 | 5.0 | 3.0 | 2.3 | 3.0 | 3.0 | 5.0 |
| QUATRO | 64.0 | 34.3 | 6.7 | 6.0 | 5.0 | 4.7 | 4.7 | 4.7 | 4.3 | 4.3 | 5.0 | 5.0 |
| DLFPS-FRR/3069 | 58.3 | 12.0 | 6.7 | 6.3 | 6.0 | 5.0 | 4.3 | 3.3 | 3.0 | 3.7 | 3.7 | 4.7 |
| MNHD-14 | 36.3 | 30.0 | 5.0 | 4.3 | 5.0 | 5.3 | 5.0 | 5.0 | 3.7 | 4.0 | 5.0 | 4.7 |
| RAD-FR47 | 63.0 | 23.3 | 5.7 | 5.7 | 5.7 | 5.3 | 4.3 | 3.7 | 3.7 | 4.7 | 3.7 | 4.7 |
| BEACON | 53.7 | 20.0 | 6.3 | 5.0 | 5.7 | 5.0 | 4.7 | 4.0 | 2.7 | 4.3 | 4.0 | 4.6 |
| BOREAL | 61.0 | 22.0 | 5.3 | 6.3 | 6.0 | 5.0 | 4.0 | 3.3 | 3.0 | 4.0 | 4.7 | 4.6 |
| RESOLUTE (7H7) | 54.3 | 14.0 | 5.3 | 5.0 | 5.0 | 5.0 | 4.3 | 3.7 | 2.3 | 3.0 | 3.3 | 4.1 |
| DLFPS-FL/3066 | 48.3 | 14.7 | 5.0 | 5.0 | 4.3 | 4.3 | 3.7 | 3.0 | 3.3 | 4.3 | 3.0 | 4.0 |
| BAR 6FR 126 | 45.3 | 14.3 | 4.3 | 4.3 | 4.3 | 4.0 | 3.3 | 2.7 | 3.0 | 3.3 | 3.0 | 3.6 |
| LSD VALUE | 79.5 | 48.7 | 3.1 | 3.2 | 2.8 | 4.5 | 1.8 | 2.2 | 2.5 | 3.9 | 3.0 | 2.0 |
| C.V. (%) | 31.9 | 56.1 | 17.8 | 19.9 | 20.3 | 24.1 | 17.1 | 26.2 | 30.4 | 30.1 | 26.4 | 17.3 |

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 10B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS GROWN UNDER SHADE AT CARBONDALE, IL 1/
2016 DATA

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

| NAME | PERCENT COVER SPRING | PERCENT COVER SUMMER | QUALITY RATINGS MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DLFPS-FRC/3057 | 87.3 | 77.3 | 7.3 | 7.3 | 8.3 | 7.3 | 6.7 | 7.0 | 6.7 | 7.0 | 6.7 | 7.1 |
| COMPASS II (PPG-FRC 113) | 93.0 | 68.7 | 7.3 | 8.3 | 8.7 | 7.7 | 7.0 | 5.7 | 5.7 | 6.7 | 6.3 | 7.0 |
| DLF-FRC 3338 | 86.0 | 53.7 | 7.7 | 7.7 | 8.3 | 7.3 | 6.3 | 5.3 | 6.7 | 6.7 | 6.0 | 6.9 |
| RAD-FC44 | 88.7 | 54.3 | 7.0 | 7.7 | 8.0 | 7.0 | 6.3 | 5.7 | 6.0 | 6.3 | 5.7 | 6.6 |
| CASTLE (RAD-FC32) | 93.0 | 53.7 | 7.7 | 8.0 | 7.7 | 7.3 | 6.0 | 5.0 | 5.0 | 5.7 | 6.0 | 6.5 |
| BAR VV-VP3-CT | 91.3 | 58.3 | 7.0 | 8.0 | 8.0 | 6.3 | 6.0 | 5.0 | 4.7 | 6.3 | 6.0 | 6.4 |
| DLFPS-FRC/3060 | 91.7 | 58.0 | 7.3 | 7.7 | 9.0 | 6.3 | 6.0 | 5.0 | 5.0 | 6.0 | 5.7 | 6.4 |
| PPG-FRC 114 | 87.0 | 57.0 | 7.0 | 7.7 | 8.0 | 6.7 | 5.7 | 5.3 | 4.7 | 5.7 | 5.3 | 6.2 |
| RADAR | 79.3 | 41.3 | 7.0 | 7.7 | 7.0 | 6.3 | 5.7 | 5.0 | 4.7 | 6.0 | 5.7 | 6.1 |
| CASCADE | 79.7 | 41.3 | 6.7 | 7.7 | 7.3 | 5.3 | 4.3 | 4.0 | 2.3 | 4.3 | 4.7 | 5.2 |
| BAR 6FR 126 | 45.3 | 14.3 | 4.3 | 4.3 | 4.3 | 4.0 | 3.3 | 2.7 | 3.0 | 3.3 | 3.0 | 3.6 |
| LSD VALUE | 35.1 | 49.0 | 1.8 | 2.2 | 2.0 | 2.9 | 1.6 | 1.9 | 2.2 | 2.6 | 3.1 | 1.8 |
| C.V. (%) | 19.4 | 41.0 | 13.1 | 15.0 | 14.1 | 20.4 | 15.6 | 20.1 | 24.4 | 21.3 | 24.4 | 15.1 |

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 10C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN UNDER SHADE AT CARBONDALE, IL 1/
2016 DATA

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

| NAME | PERCENT COVER SPRING | PERCENT COVER SUMMER | QUALITY RATINGS MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DLF-FRR 6162 | 91.0 | 58.0 | 7.3 | 7.7 | 8.7 | 7.7 | 6.3 | 5.0 | 5.7 | 6.3 | 6.0 | 6.7 |
| C14-OS3 | 90.3 | 53.0 | 7.3 | 7.7 | 9.0 | 6.7 | 5.7 | 5.0 | 5.0 | 5.0 | 5.3 | 6.3 |
| 7C34 | 82.7 | 37.0 | 7.3 | 7.0 | 7.7 | 6.0 | 5.3 | 4.3 | 4.0 | 5.3 | 5.0 | 5.8 |
| PST-4RUE | 86.3 | 38.3 | 7.0 | 7.0 | 8.0 | 6.7 | 5.3 | 4.0 | 4.3 | 5.0 | 5.0 | 5.8 |
| RAD-FR33R | 87.3 | 49.7 | 7.3 | 7.0 | 7.0 | 7.0 | 5.7 | 4.3 | 4.0 | 4.7 | 5.0 | 5.8 |
| PST-4BEN | 91.0 | 27.7 | 7.7 | 7.7 | 7.3 | 7.0 | 5.3 | 3.3 | 3.3 | 4.3 | 4.3 | 5.6 |
| KENT | 80.7 | 39.0 | 7.0 | 7.7 | 7.0 | 6.0 | 4.7 | 3.7 | 4.0 | 4.7 | 4.7 | 5.5 |
| PST-4ED4 | 84.0 | 33.3 | 6.3 | 7.0 | 7.7 | 7.7 | 5.7 | 3.3 | 3.3 | 4.7 | 3.7 | 5.5 |
| PST-4DR4 | 90.3 | 27.0 | 7.0 | 7.0 | 7.0 | 7.3 | 5.7 | 3.7 | 3.3 | 4.3 | 3.7 | 5.4 |
| NAVIGATOR II | 80.0 | 25.7 | 7.3 | 7.3 | 6.3 | 6.0 | 4.7 | 4.0 | 3.3 | 4.3 | 4.7 | 5.3 |
| DLFPS-FRR/3068 | 63.0 | 28.0 | 6.7 | 6.0 | 6.0 | 7.0 | 5.3 | 4.7 | 3.3 | 3.7 | 4.0 | 5.2 |
| MARVEL | 82.0 | 19.7 | 7.0 | 7.7 | 7.3 | 6.0 | 5.0 | 3.0 | 3.3 | 3.7 | 4.0 | 5.2 |
| CARDINAL II (PPG-FRR 111) | 83.7 | 4.7 | 7.3 | 7.0 | 7.3 | 7.0 | 5.0 | 3.0 | 2.3 | 3.0 | 3.0 | 5.0 |
| DLFPS-FRR/3069 | 58.3 | 12.0 | 6.7 | 6.3 | 6.0 | 5.0 | 4.3 | 3.3 | 3.0 | 3.7 | 3.7 | 4.7 |
| RAD-FR47 | 63.0 | 23.3 | 5.7 | 5.7 | 5.7 | 5.3 | 4.3 | 3.7 | 3.7 | 4.7 | 3.7 | 4.7 |
| BOREAL | 61.0 | 22.0 | 5.3 | 6.3 | 6.0 | 5.0 | 4.0 | 3.3 | 3.0 | 4.0 | 4.7 | 4.6 |
| LSD VALUE | 65.7 | 51.5 | 3.0 | 3.2 | 3.0 | 4.0 | 1.8 | 3.1 | 3.4 | 4.4 | 2.8 | 1.8 |
| C.V. (%) | 27.5 | 66.6 | 15.7 | 15.9 | 18.0 | 22.5 | 15.3 | 29.1 | 34.6 | 33.1 | 25.5 | 14.0 |

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 10D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN UNDER SHADE AT CARBONDALE, IL 1/
2016 DATA

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

| NAME | PERCENT COVER SPRING | PERCENT COVER SUMMER | QUALITY RATINGS MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DLFPS-FL/3060 | 88.3 | 55.3 | 7.7 | 7.3 | 8.0 | 7.0 | 6.0 | 4.7 | 5.0 | 6.0 | 5.7 | 6.4 |
| JETTY (PPG-FL 106) | 92.3 | 43.0 | 8.3 | 8.3 | 8.0 | 7.0 | 5.3 | 4.0 | 4.3 | 4.7 | 4.3 | 6.0 |
| MINIMUS | 73.3 | 49.0 | 6.7 | 7.0 | 6.0 | 6.7 | 6.0 | 5.0 | 5.0 | 6.0 | 5.0 | 5.9 |
| PST-4BND | 88.3 | 61.0 | 6.7 | 7.0 | 7.0 | 6.3 | 5.3 | 5.0 | 4.3 | 5.7 | 5.3 | 5.9 |
| BEUDIN | 88.7 | 37.3 | 7.0 | 7.3 | 8.0 | 7.3 | 5.0 | 3.3 | 4.0 | 5.3 | 4.7 | 5.8 |
| SWORD | 67.3 | 28.3 | 7.0 | 6.3 | 6.7 | 6.7 | 5.3 | 5.0 | 3.3 | 4.3 | 4.7 | 5.5 |
| GLADIATOR (TH456) | 61.3 | 47.3 | 5.7 | 5.7 | 5.7 | 5.3 | 5.0 | 5.3 | 4.7 | 5.3 | 5.3 | 5.3 |
| QUATRO | 64.0 | 34.3 | 6.7 | 6.0 | 5.0 | 4.7 | 4.7 | 4.7 | 4.3 | 4.3 | 5.0 | 5.0 |
| MNHD-14 | 36.3 | 30.0 | 5.0 | 4.3 | 5.0 | 5.3 | 5.0 | 5.0 | 3.7 | 4.0 | 5.0 | 4.7 |
| BEACON | 53.7 | 20.0 | 6.3 | 5.0 | 5.7 | 5.0 | 4.7 | 4.0 | 2.7 | 4.3 | 4.0 | 4.6 |
| RESOLUTE (7H7) | 54.3 | 14.0 | 5.3 | 5.0 | 5.0 | 5.0 | 4.3 | 3.7 | 2.3 | 3.0 | 3.3 | 4.1 |
| DLFPS-FL/3066 | 48.3 | 14.7 | 5.0 | 5.0 | 4.3 | 4.3 | 3.7 | 3.0 | 3.3 | 4.3 | 3.0 | 4.0 |
| LSD VALUE | 61.5 | 44.1 | 3.3 | 3.5 | 3.6 | 4.6 | 3.0 | 3.4 | 2.9 | 3.7 | 3.1 | 2.7 |
| C.V. (%) | 38.0 | 54.5 | 21.9 | 25.0 | 26.3 | 29.9 | 22.3 | 29.3 | 31.2 | 30.0 | 26.7 | 21.4 |

TABLE 10E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN UNDER SHADE AT CARBONDALE, IL 1/
2016 DATA

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

| NAME | PERCENT COVER SPRING | PERCENT COVER SUMMER | QUALITY RATINGS MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 73.3 | 55.0 | 7.0 | 7.0 | 6.7 | 6.0 | 5.0 | 4.7 | 5.3 | 6.3 | 6.0 | 6.0 |
| SEABREEZE GT | 73.3 | 34.7 | 8.0 | 7.7 | 7.0 | 6.7 | 5.3 | 3.7 | 4.3 | 4.7 | 5.0 | 5.8 |
| BAR FRT 5002 | 92.0 | 32.0 | 7.7 | 7.3 | 7.7 | 7.7 | 5.0 | 2.3 | 3.3 | 4.7 | 4.3 | 5.6 |
| LSD VALUE | 87.6 | 49.2 | 3.5 | 4.2 | 4.6 | 2.8 | 1.2 | 1.2 | 2.3 | 2.3 | 2.0 | 1.6 |
| C.V. (%) | 47.4 | 52.2 | 20.0 | 24.9 | 27.9 | 17.7 | 10.3 | 14.8 | 23.1 | 18.6 | 17.3 | 12.0 |

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

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

TABLE 11A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME | GENETIC COLOR | DENSITY SUMMER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MINIMUS | 7.0 | 6.0 | 6.7 | 6.7 | 6.0 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0 | 6.0 | 6.3 | 6.3 |
| SWORD | 6.3 | 6.7 | 6.3 | 6.3 | 6.0 | 5.7 | 6.0 | 6.3 | 6.7 | 6.7 | 6.0 | 6.3 | 6.0 | 6.0 | 6.2 |
| DLF-FRR 6162 | 6.7 | 6.7 | 6.3 | 6.3 | 6.3 | 5.3 | 5.7 | 6.3 | 6.7 | 6.3 | 6.0 | 5.7 | 6.3 | 6.0 | 6.1 |
| GLADIATOR (TH456) | 6.7 | 6.7 | 6.0 | 5.7 | 5.7 | 5.0 | 5.0 | 6.0 | 6.7 | 6.7 | 6.0 | 6.3 | 6.0 | 6.0 | 5.9 |
| JETTY (PPG-FL 106) | 6.7 | 6.7 | 6.0 | 5.7 | 5.3 | 5.3 | 5.7 | 6.0 | 6.7 | 6.7 | 6.3 | 5.3 | 6.0 | 6.0 | 5.9 |
| PST-4BND | 6.7 | 6.7 | 6.0 | 5.7 | 5.0 | 4.7 | 5.3 | 6.3 | 6.7 | 6.7 | 6.7 | 5.7 | 6.0 | 5.7 | 5.9 |
| MNHD-14 | 6.7 | 6.7 | 5.7 | 5.7 | 5.0 | 5.0 | 5.7 | 6.0 | 6.7 | 6.3 | 6.3 | 6.0 | 5.3 | 5.7 | 5.8 |
| BEACON | 6.3 | 6.0 | 5.7 | 5.7 | 5.7 | 5.0 | 5.0 | 5.7 | 6.0 | 6.0 | 5.3 | 5.7 | 5.7 | 5.7 | 5.6 |
| RESOLUTE (7H7) | 6.0 | 5.7 | 5.7 | 5.7 | 5.3 | 5.0 | 5.0 | 6.0 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 |
| 7C34 | 6.3 | 5.3 | 5.3 | 5.3 | 5.0 | 4.7 | 5.0 | 6.0 | 6.0 | 5.3 | 6.0 | 6.0 | 5.7 | 5.3 | 5.5 |
| CARDINAL II (PPG-FRR 111) | 5.7 | 5.7 | 5.7 | 5.3 | 5.0 | 4.7 | 5.7 | 5.7 | 6.0 | 5.7 | 5.7 | 6.0 | 5.7 | 5.3 | 5.5 |
| CASCADE | 6.7 | 6.0 | 5.3 | 5.3 | 5.0 | 4.3 | 5.3 | 5.7 | 6.3 | 5.7 | 6.0 | 5.0 | 6.0 | 5.7 | 5.5 |
| DLFPS-FL/3060 | 6.3 | 5.7 | 5.7 | 5.3 | 5.0 | 5.0 | 5.3 | 6.0 | 6.0 | 5.7 | 6.0 | 5.3 | 5.3 | 5.3 | 5.5 |
| DLFPS-FL/3066 | 6.0 | 6.3 | 5.3 | 5.3 | 5.0 | 5.0 | 5.3 | 6.0 | 6.0 | 6.0 | 5.3 | 5.7 | 5.3 | 5.3 | 5.5 |
| PST-4RUE | 5.3 | 6.0 | 5.7 | 5.3 | 5.3 | 4.7 | 4.7 | 5.7 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.5 |
| C14-OS3 | 5.3 | 5.7 | 5.3 | 5.0 | 4.7 | 4.0 | 5.0 | 5.7 | 6.0 | 5.7 | 6.0 | 6.0 | 5.3 | 5.7 | 5.4 |
| DLF-FRC 3338 | 6.3 | 5.7 | 5.7 | 5.7 | 5.0 | 4.7 | 5.0 | 5.3 | 5.7 | 6.0 | 5.3 | 5.7 | 5.3 | 5.3 | 5.4 |
| MARVEL | 6.3 | 5.3 | 5.0 | 5.0 | 4.7 | 4.3 | 5.3 | 6.0 | 6.3 | 6.3 | 5.7 | 6.0 | 5.3 | 5.3 | 5.4 |
| PST-4DR4 | 5.7 | 5.3 | 5.7 | 5.7 | 4.7 | 4.3 | 4.7 | 5.7 | 6.0 | 6.0 | 6.0 | 5.0 | 6.0 | 5.7 | 5.4 |
| RADAR | 6.0 | 6.3 | 5.3 | 5.3 | 5.0 | 4.7 | 4.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.0 | 5.3 | 5.3 |
| SEAMIST (PPG-FRT 101) | 6.3 | 5.7 | 5.0 | 5.0 | 4.7 | 4.3 | 4.7 | 5.7 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 |
| COMPASS II (PPG-FRC 113) | 5.3 | 5.7 | 5.3 | 5.3 | 5.0 | 4.3 | 4.7 | 5.3 | 5.3 | 5.0 | 6.0 | 5.0 | 5.3 | 5.3 | 5.2 |
| PST-4BEN | 5.3 | 6.0 | 5.0 | 5.0 | 4.7 | 4.7 | 4.7 | 5.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 | 5.2 |
| PST-4ED4 | 5.7 | 6.0 | 5.0 | 5.0 | 4.7 | 4.7 | 4.7 | 5.3 | 5.7 | 5.3 | 5.7 | 5.3 | 5.7 | 5.7 | 5.2 |
| DLFPS-FRC/3057 | 5.7 | 6.0 | 5.0 | 5.0 | 4.7 | 4.0 | 4.3 | 5.0 | 5.7 | 5.7 | 5.3 | 5.7 | 5.3 | 5.3 | 5.1 |
| DLFPS-FRR/3069 | 6.3 | 5.7 | 5.0 | 5.0 | 4.7 | 4.3 | 4.7 | 5.0 | 5.7 | 5.7 | 5.3 | 5.3 | 5.0 | 5.3 | 5.1 |
| PPG-FRC 114 | 5.3 | 5.7 | 4.7 | 4.7 | 4.7 | 4.0 | 4.0 | 5.3 | 5.7 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 | 5.1 |
| SEABREEZE GT | 6.3 | 5.3 | 4.7 | 4.7 | 4.3 | 4.0 | 4.7 | 5.7 | 6.0 | 5.3 | 6.0 | 5.3 | 5.3 | 5.3 | 5.1 |
| RAD-FR33R | 5.7 | 5.3 | 4.3 | 4.0 | 4.3 | 4.0 | 5.0 | 5.3 | 6.0 | 5.7 | 5.3 | 5.7 | 5.3 | 5.0 | 5.0 |
| RAD-FR47 | 6.3 | 6.0 | 4.3 | 4.7 | 4.3 | 3.7 | 4.3 | 5.3 | 6.0 | 5.7 | 5.7 | 5.3 | 5.3 | 5.0 | 5.0 |
| DLFPS-FRC/3060 | 6.3 | 5.3 | 4.0 | 4.3 | 4.0 | 4.3 | 4.3 | 5.0 | 5.7 | 5.3 | 5.3 | 5.7 | 5.0 | 5.0 | 4.9 |
| KENT | 6.0 | 5.0 | 4.3 | 4.3 | 4.0 | 4.0 | 4.3 | 5.0 | 5.3 | 5.7 | 5.3 | 5.0 | 5.7 | 5.3 | 4.9 |
| QUATRO | 6.0 | 5.7 | 4.0 | 4.0 | 4.3 | 4.0 | 5.0 | 5.7 | 6.0 | 6.0 | 5.3 | 5.7 | 4.7 | 4.7 | 4.9 |
| BAR VV-VP3-CT | 6.7 | 5.0 | 3.3 | 3.7 | 4.0 | 3.7 | 4.7 | 5.0 | 6.0 | 6.0 | 5.0 | 5.7 | 5.3 | 4.7 | 4.8 |
| DLFPS-FRR/3068 | 6.3 | 5.3 | 3.3 | 3.7 | 4.0 | 3.7 | 4.7 | 5.3 | 6.0 | 6.0 | 5.7 | 5.3 | 5.0 | 4.7 | 4.8 |
| NAVIGATOR II | 6.0 | 5.3 | 4.7 | 4.7 | 3.7 | 3.3 | 3.7 | 4.7 | 5.7 | 6.3 | 5.7 | 5.0 | 5.3 | 5.0 | 4.8 |
| RAD-FC44 | 6.0 | 5.7 | 4.0 | 4.0 | 3.7 | 3.7 | 4.3 | 4.7 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 | 5.3 | 4.8 |
| BEUDIN | 7.0 | 5.3 | 3.0 | 3.7 | 3.7 | 3.7 | 4.0 | 5.0 | 6.0 | 5.7 | 6.0 | 5.0 | 6.0 | 5.0 | 4.7 |
| BOREAL | 6.3 | 5.7 | 2.7 | 3.7 | 4.0 | 4.3 | 5.0 | 5.3 | 5.7 | 5.7 | 5.3 | 5.0 | 5.3 | 4.3 | 4.7 |
| BAR 6FR 126 | 6.0 | 5.3 | 3.0 | 3.3 | 3.3 | 3.7 | 4.7 | 4.7 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 | 5.0 | 4.6 |
| BAR FRT 5002 | 7.0 | 5.0 | 2.0 | 3.0 | 3.3 | 3.3 | 4.7 | 5.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.3 | 5.0 | 4.6 |
| CASTLE (RAD-FC32) | 6.3 | 5.0 | 3.3 | 3.7 | 4.0 | 4.0 | 4.3 | 4.7 | 5.3 | 5.7 | 5.3 | 5.0 | 5.0 | 5.3 | 4.6 |
| LSD VALUE | 1.6 | 1.7 | 1.5 | 1.6 | 1.4 | 1.3 | 1.3 | 1.1 | 1.9 | 1.7 | 1.6 | 1.1 | 2.0 | 1.3 | 0.8 |
| C.V. (%) | 10.6 | 11.9 | 18.3 | 17.7 | 15.6 | 15.4 | 12.9 | 10.4 | 10.0 | 10.1 | 9.5 | 8.6 | 10.9 | 10.2 | 8.5 |

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 11B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA

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

| NAME | GENETIC COLOR | DENSITY SUMMER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CASCADE | 6.7 | 6.0 | 5.3 | 5.3 | 5.0 | 4.3 | 5.3 | 5.7 | 6.3 | 5.7 | 6.0 | 5.0 | 6.0 | 5.7 | 5.5 |
| DLF-FRC 3338 | 6.3 | 5.7 | 5.7 | 5.7 | 5.0 | 4.7 | 5.0 | 5.3 | 5.7 | 6.0 | 5.3 | 5.7 | 5.3 | 5.3 | 5.4 |
| RADAR | 6.0 | 6.3 | 5.3 | 5.3 | 5.0 | 4.7 | 4.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.0 | 5.3 | 5.3 |
| COMPASS II (PPG-FRC 113) | 5.3 | 5.7 | 5.3 | 5.3 | 5.0 | 4.3 | 4.7 | 5.3 | 5.3 | 5.0 | 6.0 | 5.0 | 5.3 | 5.3 | 5.2 |
| DLFPS-FRC/3057 | 5.7 | 6.0 | 5.0 | 5.0 | 4.7 | 4.0 | 4.3 | 5.0 | 5.7 | 5.7 | 5.3 | 5.7 | 5.3 | 5.3 | 5.1 |
| PPG-FRC 114 | 5.3 | 5.7 | 4.7 | 4.7 | 4.7 | 4.0 | 4.0 | 5.3 | 5.7 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 | 5.1 |
| DLFPS-FRC/3060 | 6.3 | 5.3 | 4.0 | 4.3 | 4.0 | 4.3 | 4.3 | 5.0 | 5.7 | 5.3 | 5.3 | 5.7 | 5.0 | 5.0 | 4.9 |
| BAR VV-VP3-CT | 6.7 | 5.0 | 3.3 | 3.7 | 4.0 | 3.7 | 4.7 | 5.0 | 6.0 | 6.0 | 5.0 | 5.7 | 5.3 | 4.7 | 4.8 |
| RAD-FC44 | 6.0 | 5.7 | 4.0 | 4.0 | 3.7 | 3.7 | 4.3 | 4.7 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 | 5.3 | 4.8 |
| BAR 6FR 126 | 6.0 | 5.3 | 3.0 | 3.3 | 3.3 | 3.7 | 4.7 | 4.7 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 | 5.0 | 4.6 |
| CASTLE (RAD-FC32) | 6.3 | 5.0 | 3.3 | 3.7 | 4.0 | 4.0 | 4.3 | 4.7 | 5.3 | 5.7 | 5.3 | 5.0 | 5.0 | 5.3 | 4.6 |
| LSD VALUE | 1.4 | 1.5 | 1.8 | 1.6 | 1.4 | 1.5 | 1.5 | 1.2 | 1.6 | 1.5 | 1.6 | 1.1 | 1.9 | 1.7 | 1.2 |
| C.V. (%) | 9.9 | 11.1 | 20.9 | 18.2 | 15.3 | 14.4 | 13.0 | 10.0 | 9.9 | 9.8 | 10.5 | 8.4 | 12.1 | 11.5 | 9.5 |

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 11C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA

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

| NAME | GENETIC COLOR | DENSITY SUMMER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DLF-FRR 6162 | 6.7 | 6.7 | 6.3 | 6.3 | 6.3 | 5.3 | 5.7 | 6.3 | 6.7 | 6.3 | 6.0 | 5.7 | 6.3 | 6.0 | 6.1 |
| 7C34 | 6.3 | 5.3 | 5.3 | 5.3 | 5.0 | 4.7 | 5.0 | 6.0 | 6.0 | 5.3 | 6.0 | 6.0 | 5.7 | 5.3 | 5.5 |
| CARDINAL II (PPG-FRR 111) | 5.7 | 5.7 | 5.7 | 5.3 | 5.0 | 4.7 | 5.7 | 5.7 | 6.0 | 5.7 | 5.7 | 6.0 | 5.7 | 5.3 | 5.5 |
| PST-4RUE | 5.3 | 6.0 | 5.7 | 5.3 | 5.3 | 4.7 | 4.7 | 5.7 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.5 |
| C14-OS3 | 5.3 | 5.7 | 5.3 | 5.0 | 4.7 | 4.0 | 5.0 | 5.7 | 6.0 | 5.7 | 6.0 | 6.0 | 5.3 | 5.7 | 5.4 |
| MARVEL | 6.3 | 5.3 | 5.0 | 5.0 | 4.7 | 4.3 | 5.3 | 6.0 | 6.3 | 6.3 | 5.7 | 6.0 | 5.3 | 5.3 | 5.4 |
| PST-4DR4 | 5.7 | 5.3 | 5.7 | 5.7 | 4.7 | 4.3 | 4.7 | 5.7 | 6.0 | 6.0 | 6.0 | 5.0 | 6.0 | 5.7 | 5.4 |
| PST-4BEN | 5.3 | 6.0 | 5.0 | 5.0 | 4.7 | 4.7 | 4.7 | 5.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 | 5.2 |
| PST-4ED4 | 5.7 | 6.0 | 5.0 | 5.0 | 4.7 | 4.7 | 4.7 | 5.3 | 5.7 | 5.3 | 5.7 | 5.3 | 5.7 | 5.7 | 5.2 |
| DLFPS-FRR/3069 | 6.3 | 5.7 | 5.0 | 5.0 | 4.7 | 4.3 | 4.7 | 5.0 | 5.7 | 5.7 | 5.3 | 5.3 | 5.0 | 5.3 | 5.1 |
| RAD-FR33R | 5.7 | 5.3 | 4.3 | 4.0 | 4.3 | 4.0 | 5.0 | 5.3 | 6.0 | 5.7 | 5.3 | 5.7 | 5.3 | 5.0 | 5.0 |
| RAD-FR47 | 6.3 | 6.0 | 4.3 | 4.7 | 4.3 | 3.7 | 4.3 | 5.3 | 6.0 | 5.7 | 5.7 | 5.3 | 5.3 | 5.0 | 5.0 |
| KENT | 6.0 | 5.0 | 4.3 | 4.3 | 4.0 | 4.0 | 4.3 | 5.0 | 5.3 | 5.7 | 5.3 | 5.0 | 5.7 | 5.3 | 4.9 |
| DLFPS-FRR/3068 | 6.3 | 5.3 | 3.3 | 3.7 | 4.0 | 3.7 | 4.7 | 5.3 | 6.0 | 6.0 | 5.7 | 5.3 | 5.0 | 4.7 | 4.8 |
| NAVIGATOR II | 6.0 | 5.3 | 4.7 | 4.7 | 3.7 | 3.3 | 3.7 | 4.7 | 5.7 | 6.3 | 5.7 | 5.0 | 5.3 | 5.0 | 4.8 |
| BOREAL | 6.3 | 5.7 | 2.7 | 3.7 | 4.0 | 4.3 | 5.0 | 5.3 | 5.7 | 5.7 | 5.3 | 5.0 | 5.3 | 4.3 | 4.7 |
| LSD VALUE | 2.2 | 1.7 | 1.6 | 1.8 | 1.6 | 1.6 | 1.2 | 1.3 | 1.9 | 1.8 | 1.2 | 0.8 | 1.9 | 1.4 | 0.7 |
| C.V. (%) | 12.9 | 11.2 | 18.2 | 17.1 | 16.3 | 16.0 | 11.9 | 10.2 | 10.4 | 10.5 | 7.4 | 7.4 | 11.8 | 10.9 | 7.1 |

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 11D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA

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

| NAME | GENETIC COLOR | DENSITY SUMMER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MINIMUS | 7.0 | 6.0 | 6.7 | 6.7 | 6.0 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0 | 6.0 | 6.3 | 6.3 |
| SWORD | 6.3 | 6.7 | 6.3 | 6.3 | 6.0 | 5.7 | 6.0 | 6.3 | 6.7 | 6.7 | 6.0 | 6.3 | 6.0 | 6.0 | 6.2 |
| GLADIATOR (TH456) | 6.7 | 6.7 | 6.0 | 5.7 | 5.7 | 5.0 | 5.0 | 6.0 | 6.7 | 6.7 | 6.0 | 6.3 | 6.0 | 6.0 | 5.9 |
| JETTY (PPG-FL 106) | 6.7 | 6.7 | 6.0 | 5.7 | 5.3 | 5.3 | 5.7 | 6.0 | 6.7 | 6.7 | 6.3 | 5.3 | 6.0 | 6.0 | 5.9 |
| PST-4BND | 6.7 | 6.7 | 6.0 | 5.7 | 5.0 | 4.7 | 5.3 | 6.3 | 6.7 | 6.7 | 6.7 | 5.7 | 6.0 | 5.7 | 5.9 |
| MNHD-14 | 6.7 | 6.7 | 5.7 | 5.7 | 5.0 | 5.0 | 5.7 | 6.0 | 6.7 | 6.3 | 6.3 | 6.0 | 5.3 | 5.7 | 5.8 |
| BEACON | 6.3 | 6.0 | 5.7 | 5.7 | 5.7 | 5.0 | 5.0 | 5.7 | 6.0 | 6.0 | 5.3 | 5.7 | 5.7 | 5.7 | 5.6 |
| RESOLUTE (7H7) | 6.0 | 5.7 | 5.7 | 5.7 | 5.3 | 5.0 | 5.0 | 6.0 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 |
| DLFPS-FL/3060 | 6.3 | 5.7 | 5.7 | 5.3 | 5.0 | 5.0 | 5.3 | 6.0 | 6.0 | 5.7 | 6.0 | 5.3 | 5.3 | 5.3 | 5.5 |
| DLFPS-FL/3066 | 6.0 | 6.3 | 5.3 | 5.3 | 5.0 | 5.0 | 5.3 | 6.0 | 6.0 | 6.0 | 5.3 | 5.7 | 5.3 | 5.3 | 5.5 |
| QUATRO | 6.0 | 5.7 | 4.0 | 4.0 | 4.3 | 4.0 | 5.0 | 5.7 | 6.0 | 6.0 | 5.3 | 5.7 | 4.7 | 4.7 | 4.9 |
| BEUDIN | 7.0 | 5.3 | 3.0 | 3.7 | 3.7 | 3.7 | 4.0 | 5.0 | 6.0 | 5.7 | 6.0 | 5.0 | 6.0 | 5.0 | 4.7 |
| LSD VALUE | 1.3 | 1.7 | 1.4 | 1.7 | 1.2 | 1.5 | 1.2 | 1.4 | 1.6 | 1.4 | 1.6 | 1.1 | 0.7 | 0.9 | 0.9 |
| C.V. (%) | 8.0 | 11.7 | 14.5 | 15.9 | 12.6 | 14.8 | 11.1 | 9.5 | 9.3 | 9.1 | 10.9 | 8.6 | 7.0 | 8.6 | 8.0 |

TABLE 11E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA

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

| NAME | GENETIC COLOR | DENSITY SUMMER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 6.3 | 5.7 | 5.0 | 5.0 | 4.7 | 4.3 | 4.7 | 5.7 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 |
| SEABREEZE GT | 6.3 | 5.3 | 4.7 | 4.7 | 4.3 | 4.0 | 4.7 | 5.7 | 6.0 | 5.3 | 6.0 | 5.3 | 5.3 | 5.3 | 5.1 |
| BAR FRT 5002 | 7.0 | 5.0 | 2.0 | 3.0 | 3.3 | 3.3 | 4.7 | 5.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.3 | 5.0 | 4.6 |
| LSD VALUE | 0.8 | 2.1 | 3.1 | 3.1 | 2.3 | 1.5 | 2.1 | 1.2 | 1.3 | 1.9 | 1.2 | 0.8 | 2.3 | 0.8 | 1.5 |
| C.V. (%) | 5.1 | 17.1 | 34.3 | 31.6 | 23.6 | 17.1 | 19.6 | 9.7 | 9.6 | 14.4 | 9.1 | 6.0 | 17.8 | 6.4 | 12.9 |

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

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

TABLE 12A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME | GENETIC COLOR | DENSITY SPRING | DENSITY SUMMER | DENSITY FALL | RED THREAD | FALL COLOR OCTOBER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 6.7 | 7.0 | 7.0 | 6.3 | 6.7 | 6.3 | 7.3 | 6.7 | 6.7 | 6.7 | 7.7 | 7.0 | 6.3 | 6.7 | 7.0 | 6.3 | 6.0 | 6.0 | 6.7 |
| NAVIGATOR II | 7.3 | 6.7 | 7.0 | 6.3 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 7.0 | 7.0 | 6.3 | 6.7 | 6.3 | 6.7 | 6.3 | 6.0 | 6.5 |
| PST-4BEN | 7.0 | 6.3 | 6.0 | 6.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.3 | 6.0 | 7.0 | 6.7 | 6.7 | 6.0 | 6.3 | 6.7 | 6.7 | 6.3 | 6.5 |
| 7C34 | 6.7 | 6.0 | 6.3 | 6.3 | 5.7 | 6.7 | 7.0 | 7.0 | 6.0 | 6.3 | 6.7 | 6.7 | 5.7 | 6.7 | 6.7 | 6.3 | 6.0 | 6.0 | 6.4 |
| BAR FRT 5002 | 6.3 | 7.0 | 6.0 | 6.0 | 7.0 | 6.3 | 6.0 | 6.7 | 7.0 | 6.3 | 7.0 | 6.3 | 5.7 | 5.7 | 6.3 | 6.3 | 6.7 | 6.3 | 6.4 |
| CARDINAL II (PPG-FRR 111) | 6.7 | 6.0 | 6.3 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.0 | 6.0 | 6.7 | 6.3 | 6.0 | 6.3 | 6.3 | 6.7 | 6.3 | 6.3 | 6.4 |
| BEUDIN | 7.0 | 6.7 | 6.7 | 6.0 | 6.0 | 6.3 | 7.0 | 7.0 | 6.7 | 7.0 | 6.7 | 6.7 | 5.7 | 5.3 | 6.3 | 6.0 | 6.0 | 5.7 | 6.3 |
| DLF-FRC 3338 | 6.7 | 6.0 | 5.7 | 6.3 | 6.0 | 6.3 | 6.7 | 6.7 | 6.0 | 6.3 | 7.3 | 6.3 | 5.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.3 |
| PPG-FRC 114 | 7.7 | 6.0 | 6.3 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.3 | 6.3 | 7.0 | 6.7 | 6.0 | 6.3 | 6.3 | 6.0 | 5.7 | 6.0 | 6.3 |
| PST-4RUE | 7.3 | 6.0 | 6.3 | 6.7 | 6.0 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 7.0 | 6.7 | 6.0 | 6.0 | 7.0 | 6.7 | 6.3 | 6.0 | 6.3 |
| RAD-FR47 | 7.3 | 6.7 | 7.0 | 6.0 | 6.7 | 6.7 | 6.3 | 6.7 | 6.7 | 6.0 | 6.7 | 7.0 | 6.0 | 6.0 | 6.3 | 6.0 | 6.3 | 6.0 | 6.3 |
| DLF-FRR 6162 | 6.3 | 6.7 | 5.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.3 | 6.0 | 6.3 | 6.0 | 5.3 | 5.7 | 6.3 | 6.3 | 6.3 | 6.0 | 6.2 |
| COMPASS II (PPG-FRC 113) | 7.0 | 6.3 | 6.0 | 6.3 | 6.7 | 6.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.7 | 5.7 | 5.3 | 5.7 | 6.0 | 6.3 | 5.7 | 6.7 | 6.1 |
| MARVEL | 7.0 | 6.0 | 6.3 | 6.3 | 5.7 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 6.3 | 6.3 | 6.3 | 6.0 | 6.0 | 6.3 | 6.0 | 6.0 | 6.1 |
| PST-4DR4 | 6.3 | 5.7 | 5.7 | 6.3 | 5.7 | 6.3 | 6.0 | 6.0 | 6.0 | 5.7 | 6.7 | 6.0 | 6.3 | 6.0 | 5.7 | 6.7 | 6.3 | 6.3 | 6.1 |
| DLFPS-FRC/3057 | 7.0 | 5.7 | 5.7 | 6.0 | 6.0 | 6.3 | 6.7 | 6.3 | 5.7 | 5.7 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 6.0 | 5.7 | 6.3 | 6.0 |
| DLFPS-FRC/3060 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 6.3 | 6.3 | 6.3 | 6.0 | 6.0 | 6.7 | 5.7 | 6.0 | 6.0 | 6.0 | 5.3 | 5.3 | 6.0 | 6.0 |
| PST-4ED4 | 7.0 | 5.7 | 6.3 | 5.3 | 5.7 | 6.3 | 6.0 | 6.3 | 5.7 | 5.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0 | 5.7 | 5.7 | 6.0 |
| RADAR | 6.7 | 6.3 | 6.0 | 6.0 | 6.3 | 6.7 | 6.3 | 6.7 | 6.3 | 6.7 | 6.3 | 6.0 | 5.7 | 5.3 | 5.7 | 5.7 | 5.7 | 5.7 | 6.0 |
| C14-OS3 | 6.3 | 6.3 | 6.0 | 5.7 | 7.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0 | 5.7 | 5.3 | 5.3 | 5.7 | 6.0 | 6.0 | 6.0 | 5.9 |
| DLFPS-FRR/3068 | 6.3 | 5.7 | 5.7 | 5.7 | 5.0 | 6.7 | 6.0 | 5.7 | 5.7 | 6.7 | 6.0 | 5.7 | 5.7 | 5.0 | 6.0 | 5.7 | 6.0 | 6.3 | 5.9 |
| KENT | 7.0 | 6.0 | 5.7 | 5.7 | 5.7 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 6.3 | 6.3 | 5.3 | 5.7 | 6.3 | 6.0 | 5.7 | 6.0 | 5.9 |
| RAD-FC44 | 7.0 | 6.0 | 6.3 | 5.7 | 6.7 | 6.3 | 6.3 | 6.3 | 6.7 | 6.3 | 6.7 | 6.3 | 5.0 | 5.3 | 5.7 | 5.3 | 5.3 | 6.0 | 5.9 |
| RAD-FR33R | 7.3 | 5.7 | 6.7 | 6.0 | 5.0 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 7.0 | 6.3 | 6.0 | 5.7 | 5.3 | 5.7 | 5.7 | 6.0 | 5.9 |
| CASTLE (RAD-FC32) | 7.0 | 5.7 | 5.3 | 5.3 | 7.0 | 6.3 | 6.7 | 6.3 | 6.0 | 4.7 | 6.0 | 5.3 | 4.7 | 5.3 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 |
| DLFPS-FRR/3069 | 6.7 | 5.7 | 5.3 | 5.3 | 5.7 | 6.7 | 5.7 | 6.0 | 5.3 | 5.0 | 6.3 | 5.7 | 5.7 | 5.3 | 5.7 | 6.0 | 5.7 | 5.3 | 5.6 |
| MNHD-14 | 5.3 | 6.0 | 5.3 | 5.0 | 7.0 | 6.0 | 6.3 | 6.3 | 6.3 | 5.7 | 6.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.0 | 5.3 | 5.3 | 5.6 |
| SEABREEZE GT | 6.7 | 6.0 | 5.3 | 5.7 | 5.3 | 6.0 | 5.3 | 5.7 | 5.3 | 5.3 | 6.0 | 5.3 | 6.0 | 5.7 | 5.7 | 5.7 | 5.3 | 6.0 | 5.6 |
| RESOLUTE (7H7) | 6.7 | 5.0 | 5.3 | 5.0 | 6.3 | 6.7 | 6.3 | 6.0 | 5.0 | 5.0 | 6.0 | 5.3 | 5.7 | 5.3 | 5.7 | 5.3 | 5.0 | 5.3 | 5.5 |
| BAR 6FR 126 | 6.0 | 6.3 | 5.7 | 4.3 | 6.7 | 6.0 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 5.3 | 4.7 | 5.0 | 4.7 | 4.3 | 4.3 | 5.0 | 5.4 |
| CASCADE | 6.0 | 5.7 | 5.0 | 4.7 | 5.7 | 6.0 | 6.3 | 6.3 | 5.3 | 4.7 | 5.3 | 5.0 | 4.7 | 5.0 | 5.3 | 5.0 | 5.7 | 6.0 | 5.4 |
| DLFPS-FL/3060 | 7.0 | 5.3 | 5.3 | 5.0 | 6.3 | 6.3 | 5.7 | 5.7 | 5.3 | 5.0 | 6.0 | 5.3 | 6.0 | 5.3 | 5.0 | 5.0 | 5.0 | 5.3 | 5.4 |
| JETTY (PPG-FL 106) | 6.0 | 4.7 | 5.3 | 5.3 | 4.7 | 6.0 | 5.7 | 5.7 | 4.7 | 4.7 | 6.0 | 5.3 | 5.7 | 5.7 | 5.3 | 5.7 | 5.3 | 5.3 | 5.4 |
| SWORD | 6.0 | 4.7 | 4.7 | 5.3 | 6.0 | 6.7 | 6.0 | 5.7 | 5.3 | 4.7 | 5.0 | 4.7 | 5.3 | 5.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.4 |
| BAR VV-VP3-CT | 6.7 | 6.3 | 5.3 | 5.0 | 7.0 | 6.7 | 6.0 | 6.0 | 6.3 | 5.0 | 6.3 | 4.7 | 4.0 | 5.0 | 5.3 | 4.7 | 5.0 | 5.0 | 5.3 |
| BOREAL | 6.3 | 5.3 | 4.7 | 4.7 | 4.3 | 6.3 | 5.7 | 6.0 | 5.0 | 5.0 | 5.7 | 5.0 | 4.7 | 5.0 | 5.0 | 5.0 | 5.3 | 6.0 | 5.3 |
| DLFPS-FL/3066 | 5.3 | 5.7 | 4.0 | 5.0 | 6.3 | 6.7 | 6.0 | 6.0 | 5.7 | 4.0 | 5.3 | 4.0 | 5.0 | 5.3 | 5.0 | 5.0 | 5.3 | 5.3 | 5.2 |
| GLADIATOR (TH456) | 6.3 | 5.3 | 5.0 | 5.0 | 6.3 | 6.0 | 6.0 | 6.0 | 5.3 | 4.3 | 5.3 | 5.0 | 5.0 | 5.0 | 5.3 | 5.0 | 5.0 | 5.3 | 5.2 |
| BEACON | 5.7 | 4.7 | 4.3 | 5.0 | 5.3 | 5.7 | 6.3 | 5.7 | 4.7 | 3.7 | 4.3 | 4.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.1 |
| MINIMUS | 6.0 | 5.3 | 4.3 | 5.3 | 6.3 | 6.3 | 5.7 | 6.0 | 5.0 | 4.0 | 4.7 | 4.3 | 4.3 | 5.0 | 5.3 | 5.3 | 5.3 | 5.0 | 5.0 |
| QUATRO | 6.0 | 6.0 | 4.3 | 5.0 | 6.3 | 6.0 | 5.7 | 5.7 | 6.0 | 5.0 | 5.3 | 4.0 | 4.3 | 4.3 | 4.7 | 4.7 | 4.7 | 5.0 | 4.9 |
| PST-4BND | 5.3 | 4.3 | 4.3 | 4.7 | 4.7 | 6.0 | 5.7 | 5.7 | 4.3 | 3.3 | 4.3 | 4.0 | 5.0 | 5.0 | 5.3 | 4.7 | 5.0 | 5.0 | 4.8 |
| LSD VALUE | 1.5 | 1.3 | 1.7 | 1.2 | 1.4 | 2.2 | 1.0 | 1.2 | 1.0 | 2.1 | 1.5 | 1.4 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.7 | 0.7 |
| C.V. (%) | 10.7 | 11.7 | 15.5 | 11.4 | 12.3 | 8.4 | 8.3 | 8.2 | 9.8 | 18.8 | 12.9 | 14.4 | 15.0 | 12.3 | 11.1 | 11.5 | 10.1 | 11.0 | 7.6 |

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 12B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2016 DATA

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

| NAME | GENETIC COLOR | DENSITY SPRING | DENSITY SUMMER | DENSITY FALL | RED THREAD | FALL COLOR OCTOBER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DLF-FRC 3338 | 6.7 | 6.0 | 5.7 | 6.3 | 6.0 | 6.3 | 6.7 | 6.7 | 6.0 | 6.3 | 7.3 | 6.3 | 5.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.3 |
| PPG-FRC 114 | 7.7 | 6.0 | 6.3 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.3 | 6.3 | 7.0 | 6.7 | 6.0 | 6.3 | 6.3 | 6.0 | 5.7 | 6.0 | 6.3 |
| COMPASS II (PPG-FRC 113) | 7.0 | 6.3 | 6.0 | 6.3 | 6.7 | 6.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.7 | 5.7 | 5.3 | 5.7 | 6.0 | 6.3 | 5.7 | 6.7 | 6.1 |
| DLFPS-FRC/3057 | 7.0 | 5.7 | 5.7 | 6.0 | 6.0 | 6.3 | 6.7 | 6.3 | 5.7 | 5.7 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 6.0 | 5.7 | 6.3 | 6.0 |
| DLFPS-FRC/3060 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 6.3 | 6.3 | 6.3 | 6.0 | 6.0 | 6.7 | 5.7 | 6.0 | 6.0 | 6.0 | 5.3 | 5.3 | 6.0 | 6.0 |
| RADAR | 6.7 | 6.3 | 6.0 | 6.0 | 6.3 | 6.7 | 6.3 | 6.7 | 6.3 | 6.7 | 6.3 | 6.0 | 5.7 | 5.3 | 5.7 | 5.7 | 5.7 | 5.7 | 6.0 |
| RAD-FC44 | 7.0 | 6.0 | 6.3 | 5.7 | 6.7 | 6.3 | 6.3 | 6.3 | 6.7 | 6.3 | 6.7 | 6.3 | 5.0 | 5.3 | 5.7 | 5.3 | 5.3 | 6.0 | 5.9 |
| CASTLE (RAD-FC32) | 7.0 | 5.7 | 5.3 | 5.3 | 7.0 | 6.3 | 6.7 | 6.3 | 6.0 | 4.7 | 6.0 | 5.3 | 4.7 | 5.3 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 |
| BAR 6FR 126 | 6.0 | 6.3 | 5.7 | 4.3 | 6.7 | 6.0 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 5.3 | 4.7 | 5.0 | 4.7 | 4.3 | 4.3 | 5.0 | 5.4 |
| CASCADE | 6.0 | 5.7 | 5.0 | 4.7 | 5.7 | 6.0 | 6.3 | 6.3 | 5.3 | 4.7 | 5.3 | 5.0 | 4.7 | 5.0 | 5.3 | 5.0 | 5.7 | 6.0 | 5.4 |
| BAR VV-VP3-CT | 6.7 | 6.3 | 5.3 | 5.0 | 7.0 | 6.7 | 6.0 | 6.0 | 6.3 | 5.0 | 6.3 | 4.7 | 4.0 | 5.0 | 5.3 | 4.7 | 5.0 | 5.0 | 5.3 |
| LSD VALUE | 2.1 | 1.6 | 2.6 | 1.5 | 1.4 | 1.2 | 1.7 | 2.2 | 1.1 | 1.9 | 0.8 | 1.7 | 1.5 | 1.7 | 1.5 | 1.7 | 1.7 | 1.3 | 1.0 |
| C.V. (%) | 12.3 | 9.7 | 15.8 | 13.4 | 9.5 | 6.9 | 9.3 | 11.0 | 7.8 | 15.1 | 7.1 | 13.2 | 14.3 | 12.5 | 11.1 | 13.8 | 12.6 | 10.5 | 7.7 |

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 12C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2016 DATA

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

| NAME | GENETIC COLOR | DENSITY SPRING | DENSITY SUMMER | DENSITY FALL | RED THREAD | FALL COLOR OCTOBER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAVIGATOR II | 7.3 | 6.7 | 7.0 | 6.3 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 7.0 | 7.0 | 6.3 | 6.7 | 6.3 | 6.7 | 6.3 | 6.0 | 6.5 |
| PST-4BEN | 7.0 | 6.3 | 6.0 | 6.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.3 | 6.0 | 7.0 | 6.7 | 6.7 | 6.0 | 6.3 | 6.7 | 6.7 | 6.3 | 6.5 |
| 7C34 | 6.7 | 6.0 | 6.3 | 6.3 | 5.7 | 6.7 | 7.0 | 7.0 | 6.0 | 6.3 | 6.7 | 6.7 | 5.7 | 6.7 | 6.7 | 6.3 | 6.0 | 6.0 | 6.4 |
| CARDINAL II (PPG-FRR 111) | 6.7 | 6.0 | 6.3 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.0 | 6.0 | 6.7 | 6.3 | 6.0 | 6.3 | 6.3 | 6.7 | 6.3 | 6.3 | 6.4 |
| PST-4RUE | 7.3 | 6.0 | 6.3 | 6.7 | 6.0 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 7.0 | 6.7 | 6.0 | 6.0 | 7.0 | 6.7 | 6.3 | 6.0 | 6.3 |
| RAD-FR47 | 7.3 | 6.7 | 7.0 | 6.0 | 6.7 | 6.7 | 6.3 | 6.7 | 6.7 | 6.0 | 6.7 | 7.0 | 6.0 | 6.0 | 6.3 | 6.0 | 6.3 | 6.0 | 6.3 |
| DLF-FRR 6162 | 6.3 | 6.7 | 5.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.3 | 6.0 | 6.3 | 6.0 | 5.3 | 5.7 | 6.3 | 6.3 | 6.3 | 6.0 | 6.2 |
| MARVEL | 7.0 | 6.0 | 6.3 | 6.3 | 5.7 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 6.3 | 6.3 | 6.3 | 6.0 | 6.0 | 6.3 | 6.0 | 6.0 | 6.1 |
| PST-4DR4 | 6.3 | 5.7 | 5.7 | 6.3 | 5.7 | 6.3 | 6.0 | 6.0 | 6.0 | 5.7 | 6.7 | 6.0 | 6.3 | 6.0 | 5.7 | 6.7 | 6.3 | 6.3 | 6.1 |
| PST-4ED4 | 7.0 | 5.7 | 6.3 | 5.3 | 5.7 | 6.3 | 6.0 | 6.3 | 5.7 | 5.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0 | 5.7 | 5.7 | 6.0 |
| C14-OS3 | 6.3 | 6.3 | 6.0 | 5.7 | 7.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0 | 5.7 | 5.3 | 5.3 | 5.7 | 6.0 | 6.0 | 6.0 | 5.9 |
| DLFPS-FRR/3068 | 6.3 | 5.7 | 5.7 | 5.7 | 5.0 | 6.7 | 6.0 | 5.7 | 5.7 | 6.7 | 6.0 | 5.7 | 5.7 | 5.0 | 6.0 | 5.7 | 6.0 | 6.3 | 5.9 |
| KENT | 7.0 | 6.0 | 5.7 | 5.7 | 5.7 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 6.3 | 6.3 | 5.3 | 5.7 | 6.3 | 6.0 | 5.7 | 6.0 | 5.9 |
| RAD-FR33R | 7.3 | 5.7 | 6.7 | 6.0 | 5.0 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 7.0 | 6.3 | 6.0 | 5.7 | 5.3 | 5.7 | 5.7 | 6.0 | 5.9 |
| DLFPS-FRR/3069 | 6.7 | 5.7 | 5.3 | 5.3 | 5.7 | 6.7 | 5.7 | 6.0 | 5.3 | 5.0 | 6.3 | 5.7 | 5.7 | 5.3 | 5.7 | 6.0 | 5.7 | 5.3 | 5.6 |
| BOREAL | 6.3 | 5.3 | 4.7 | 4.7 | 4.3 | 6.3 | 5.7 | 6.0 | 5.0 | 5.0 | 5.7 | 5.0 | 4.7 | 5.0 | 5.0 | 5.0 | 5.3 | 6.0 | 5.3 |
| LSD VALUE | 1.6 | 1.8 | 2.5 | 1.1 | 1.5 | 1.8 | 1.4 | 0.9 | 1.2 | 2.1 | 2.2 | 2.7 | 2.5 | 1.7 | 1.3 | 1.0 | 1.0 | 2.0 | 0.8 |
| C.V. (%) | 9.1 | 11.0 | 15.7 | 9.6 | 12.9 | 8.0 | 8.9 | 7.0 | 9.1 | 13.4 | 11.7 | 15.1 | 15.1 | 12.1 | 9.8 | 8.3 | 7.7 | 10.0 | 6.3 |

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

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

TABLE 12D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2016 DATA

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

| NAME | GENETIC COLOR | DENSITY SPRING | DENSITY SUMMER | DENSITY FALL | RED THREAD | FALL COLOR OCTOBER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEUDIN | 7.0 | 6.7 | 6.7 | 6.0 | 6.0 | 6.3 | 7.0 | 7.0 | 6.7 | 7.0 | 6.7 | 6.7 | 5.7 | 5.3 | 6.3 | 6.0 | 6.0 | 5.7 | 6.3 |
| MNHD-14 | 5.3 | 6.0 | 5.3 | 5.0 | 7.0 | 6.0 | 6.3 | 6.3 | 6.3 | 5.7 | 6.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.0 | 5.3 | 5.3 | 5.6 |
| RESOLUTE (7H7) | 6.7 | 5.0 | 5.3 | 5.0 | 6.3 | 6.7 | 6.3 | 6.0 | 5.0 | 5.0 | 6.0 | 5.3 | 5.7 | 5.3 | 5.7 | 5.3 | 5.0 | 5.3 | 5.5 |
| DLFPS-FL/3060 | 7.0 | 5.3 | 5.3 | 5.0 | 6.3 | 6.3 | 5.7 | 5.7 | 5.3 | 5.0 | 6.0 | 5.3 | 6.0 | 5.3 | 5.0 | 5.0 | 5.0 | 5.3 | 5.4 |
| JETTY (PPG-FL 106) | 6.0 | 4.7 | 5.3 | 5.3 | 4.7 | 6.0 | 5.7 | 5.7 | 4.7 | 4.7 | 6.0 | 5.3 | 5.7 | 5.7 | 5.3 | 5.7 | 5.3 | 5.3 | 5.4 |
| SWORD | 6.0 | 4.7 | 4.7 | 5.3 | 6.0 | 6.7 | 6.0 | 5.7 | 5.3 | 4.7 | 5.0 | 4.7 | 5.3 | 5.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.4 |
| DLFPS-FL/3066 | 5.3 | 5.7 | 4.0 | 5.0 | 6.3 | 6.7 | 6.0 | 6.0 | 5.7 | 4.0 | 5.3 | 4.0 | 5.0 | 5.3 | 5.0 | 5.0 | 5.3 | 5.3 | 5.2 |
| GLADIATOR (TH456) | 6.3 | 5.3 | 5.0 | 5.0 | 6.3 | 6.0 | 6.0 | 6.0 | 5.3 | 4.3 | 5.3 | 5.0 | 5.0 | 5.0 | 5.3 | 5.0 | 5.0 | 5.3 | 5.2 |
| BEACON | 5.7 | 4.7 | 4.3 | 5.0 | 5.3 | 5.7 | 6.3 | 5.7 | 4.7 | 3.7 | 4.3 | 4.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.1 |
| MINIMUS | 6.0 | 5.3 | 4.3 | 5.3 | 6.3 | 6.3 | 5.7 | 6.0 | 5.0 | 4.0 | 4.7 | 4.3 | 4.3 | 5.0 | 5.3 | 5.3 | 5.3 | 5.0 | 5.0 |
| QUATRO | 6.0 | 6.0 | 4.3 | 5.0 | 6.3 | 6.0 | 5.7 | 5.7 | 6.0 | 5.0 | 5.3 | 4.0 | 4.3 | 4.3 | 4.7 | 4.7 | 4.7 | 5.0 | 4.9 |
| PST-4BND | 5.3 | 4.3 | 4.3 | 4.7 | 4.7 | 6.0 | 5.7 | 5.7 | 4.3 | 3.3 | 4.3 | 4.0 | 5.0 | 5.0 | 5.3 | 4.7 | 5.0 | 5.0 | 4.8 |
| LSD VALUE | 1.3 | 1.8 | 1.2 | 1.5 | 1.6 | 1.7 | 0.9 | 0.8 | 1.4 | 2.9 | 2.2 | 1.2 | 2.1 | 1.8 | 2.1 | 1.9 | 1.5 | 2.3 | 1.1 |
| C.V. (%) | 10.7 | 15.9 | 13.1 | 10.9 | 13.3 | 10.0 | 7.5 | 6.8 | 13.6 | 27.2 | 18.1 | 13.6 | 15.8 | 12.5 | 14.0 | 13.6 | 11.1 | 13.7 | 9.2 |

TABLE 12E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2016 DATA

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

| NAME | GENETIC COLOR | DENSITY SPRING | DENSITY SUMMER | DENSITY FALL | RED THREAD | FALL COLOR OCTOBER | QUALITY RATINGS JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 6.7 | 7.0 | 7.0 | 6.3 | 6.7 | 6.3 | 7.3 | 6.7 | 6.7 | 6.7 | 7.7 | 7.0 | 6.3 | 6.7 | 7.0 | 6.3 | 6.0 | 6.0 | 6.7 |
| BAR FRT 5002 | 6.3 | 7.0 | 6.0 | 6.0 | 7.0 | 6.3 | 6.0 | 6.7 | 7.0 | 6.3 | 7.0 | 6.3 | 5.7 | 5.7 | 6.3 | 6.3 | 6.7 | 6.3 | 6.4 |
| SEABREEZE GT | 6.7 | 6.0 | 5.3 | 5.7 | 5.3 | 6.0 | 5.3 | 5.7 | 5.3 | 5.3 | 6.0 | 5.3 | 6.0 | 5.7 | 5.7 | 5.7 | 5.3 | 6.0 | 5.6 |
| LSD VALUE | 1.2 | 1.3 | 1.5 | 1.9 | 2.1 | 0.8 | 0.8 | 1.3 | 0.9 | 2.0 | 1.5 | 0.8 | 0.9 | 0.0 | 0.9 | 1.2 | 0.9 | 0.8 | 0.6 |
| C.V. (%) | 8.0 | 8.7 | 10.9 | 13.6 | 14.4 | 5.4 | 5.4 | 9.1 | 6.4 | 14.4 | 9.7 | 5.4 | 6.8 | 0.0 | 6.4 | 8.6 | 6.8 | 5.5 | 4.4 |

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 13A. GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | NJ2 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|
| PPG-FRC 114 | 6.7 | 6.3 | 8.0 | 5.3 | 7.7 | 8.0 | 7.0 | 7.0 | 7.0 |
| RESOLUTE (7H7) | 7.0 | 6.3 | 7.0 | 7.7 | 5.7 | 7.5 | 8.0 | 6.7 | 7.0 |
| CASTLE (RAD-FC32) | 7.0 | 7.0 | 7.0 | 6.3 | 7.7 | 8.0 | 5.0 | 7.7 | 7.0 |
| MNHD-14 | 6.7 | 6.3 | 6.7 | 7.3 | 5.7 | 8.0 | 8.0 | 6.3 | 6.9 |
| JETTY (PPG-FL 106) | 6.7 | 6.7 | 6.3 | 7.7 | 6.0 | 8.0 | 7.0 | 6.3 | 6.8 |
| RAD-FR33R | 7.0 | 7.0 | 6.0 | 5.0 | 7.7 | 8.3 | 6.7 | 7.0 | 6.8 |
| RAD-FC44 | 7.0 | 6.0 | 6.7 | 6.3 | 7.3 | 8.0 | 6.0 | 7.0 | 6.8 |
| NAVIGATOR II | 6.7 | 7.0 | 5.0 | 5.7 | 7.0 | 7.7 | 8.0 | 7.0 | 6.8 |
| CARDINAL II (PPG-FRR 111) | 6.3 | 7.0 | 5.3 | 6.3 | 7.0 | 7.3 | 7.3 | 7.0 | 6.7 |
| DLFPS-FL/3066 | 6.7 | 6.0 | 7.3 | 7.0 | 5.7 | 8.0 | 6.3 | 6.3 | 6.7 |
| RADAR | 6.3 | 6.0 | 7.0 | 4.7 | 6.0 | 8.0 | 8.0 | 7.0 | 6.6 |
| DLFPS-FL/3060 | 6.3 | 6.0 | 5.3 | 7.0 | 5.7 | 8.0 | 8.0 | 6.3 | 6.6 |
| SWORD | 6.7 | 6.0 | 6.3 | 6.3 | 5.7 | 8.0 | 7.0 | 6.3 | 6.5 |
| RAD-FR47 | 6.7 | 6.7 | 5.7 | 5.7 | 7.3 | 7.0 | 6.0 | 7.0 | 6.5 |
| PST-4BEN | 6.7 | 7.0 | 5.3 | 5.7 | 6.7 | 7.7 | 6.0 | 6.7 | 6.5 |
| DLFPS-FRR/3068 | 6.7 | 6.7 | 4.3 | 5.3 | 6.7 | 7.0 | 8.0 | 6.3 | 6.4 |
| GLADIATOR (TH456) | 7.0 | 6.3 | 5.7 | 5.3 | 5.3 | 7.5 | 7.3 | 6.3 | 6.4 |
| DLF-FRC 3338 | 6.7 | 6.0 | 5.7 | 5.3 | 7.3 | 8.0 | 5.3 | 6.3 | 6.3 |
| DLF-FRR 6162 | 6.7 | 7.0 | 4.0 | 5.0 | 7.0 | 8.0 | 6.0 | 6.7 | 6.3 |
| PST-4RUE | 6.7 | 7.0 | 5.3 | 5.3 | 7.0 | 7.7 | 5.0 | 6.3 | 6.3 |
| QUATRO | 6.7 | 6.3 | 4.3 | 8.0 | 5.7 | 7.7 | 6.0 | 5.3 | 6.3 |
| 7C34 | 6.0 | 7.0 | 4.3 | 4.7 | 7.3 | 8.0 | 6.0 | 6.3 | 6.2 |
| COMPASS II (PPG-FRC 113) | 7.0 | 5.7 | 6.3 | 4.0 | 7.0 | 7.7 | 5.3 | 6.3 | 6.2 |
| DLFPS-FRC/3060 | 5.7 | 5.3 | 6.0 | 5.3 | 6.7 | 8.0 | 6.0 | 6.3 | 6.2 |
| BAR VV-VP3-CT | 6.3 | 6.3 | 6.3 | 4.3 | 6.0 | 8.0 | 5.3 | 6.3 | 6.1 |
| DLFPS-FRC/3057 | 6.0 | 5.7 | 6.3 | 4.0 | 7.0 | 7.7 | 6.0 | 6.3 | 6.1 |
| DLFPS-FRR/3069 | 6.0 | 6.7 | 3.7 | 4.3 | 6.7 | 7.7 | 8.0 | 6.0 | 6.1 |
| BEACON | 6.0 | 5.7 | 5.7 | 5.0 | 5.7 | 7.5 | 7.3 | 6.0 | 6.1 |
| PST-4ED4 | 7.0 | 7.0 | 4.3 | 5.3 | 6.7 | 8.0 | 4.0 | 6.3 | 6.1 |
| PST-4DR4 | 6.3 | 6.7 | 4.3 | 4.7 | 6.7 | 7.3 | 6.0 | 6.3 | 6.0 |
| C14-OS3 | 6.0 | 6.0 | 5.0 | 4.3 | 6.0 | 8.0 | 6.0 | 6.0 | 5.9 |
| KENT | 6.3 | 6.7 | 4.0 | 4.7 | 6.3 | 7.7 | 5.0 | 6.7 | 5.9 |
| MARVEL | 5.3 | 6.7 | 4.0 | 5.3 | 6.7 | 7.7 | 5.0 | 6.0 | 5.8 |
| MINIMUS | 6.0 | 6.0 | 6.3 | 5.3 | 5.0 | 7.3 | 4.0 | 6.0 | 5.8 |
| CASCADE | 5.7 | 5.3 | 5.3 | 4.0 | 6.7 | 7.7 | 5.0 | 5.7 | 5.7 |
| SEAMIST (PPG-FRT 101) | 6.0 | 6.0 | 5.3 | 3.3 | 6.0 | 8.0 | 5.3 | 5.0 | 5.6 |
| PST-4BND | 6.0 | 5.7 | 6.3 | 5.7 | 5.3 | . | 4.3 | 6.0 | 5.6 |
| BOREAL | 5.5 | 6.0 | 2.7 | 4.3 | 5.0 | 7.3 | 6.7 | 6.0 | 5.4 |
| BAR 6FR 126 | 5.3 | 5.3 | 4.3 | 4.0 | 5.7 | 8.0 | 5.0 | 5.3 | 5.4 |
| SEABREEZE GT | 5.7 | 5.3 | 3.7 | 2.7 | 6.0 | 7.5 | 6.0 | 5.3 | 5.3 |
| BAR FRT 5002 | 5.7 | 6.0 | 2.0 | 2.0 | 5.3 | 8.0 | 4.0 | 5.0 | 4.8 |
| BEUDIN | 6.0 | 5.7 | 1.0 | 1.7 | 6.0 | 6.7 | 5.0 | 5.0 | 4.6 |
| LSD VALUE | 0.9 | 0.7 | 1.1 | 1.1 | 1.0 | 0.9 | 0.5 | 0.7 | 0.3 |
| C.V. (%) | 8.7 | 7.1 | 13.0 | 13.8 | 9.4 | 6.1 | 4.8 | 7.1 | 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 13B. GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | NJ2 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|
| PPG-FRC 114 | 6.7 | 6.3 | 8.0 | 5.3 | 7.7 | 8.0 | 7.0 | 7.0 | 7.0 |
| CASTLE (RAD-FC32) | 7.0 | 7.0 | 7.0 | 6.3 | 7.7 | 8.0 | 5.0 | 7.7 | 7.0 |
| RAD-FC44 | 7.0 | 6.0 | 6.7 | 6.3 | 7.3 | 8.0 | 6.0 | 7.0 | 6.8 |
| RADAR | 6.3 | 6.0 | 7.0 | 4.7 | 6.0 | 8.0 | 8.0 | 7.0 | 6.6 |
| DLF-FRC 3338 | 6.7 | 6.0 | 5.7 | 5.3 | 7.3 | 8.0 | 5.3 | 6.3 | 6.3 |
| COMPASS II (PPG-FRC 113) | 7.0 | 5.7 | 6.3 | 4.0 | 7.0 | 7.7 | 5.3 | 6.3 | 6.2 |
| DLFPS-FRC/3060 | 5.7 | 5.3 | 6.0 | 5.3 | 6.7 | 8.0 | 6.0 | 6.3 | 6.2 |
| BAR VV-VP3-CT | 6.3 | 6.3 | 6.3 | 4.3 | 6.0 | 8.0 | 5.3 | 6.3 | 6.1 |
| DLFPS-FRC/3057 | 6.0 | 5.7 | 6.3 | 4.0 | 7.0 | 7.7 | 6.0 | 6.3 | 6.1 |
| CASCADE | 5.7 | 5.3 | 5.3 | 4.0 | 6.7 | 7.7 | 5.0 | 5.7 | 5.7 |
| BAR 6FR 126 | 5.3 | 5.3 | 4.3 | 4.0 | 5.7 | 8.0 | 5.0 | 5.3 | 5.4 |
| LSD VALUE | 0.7 | 0.7 | 1.0 | 1.0 | 1.1 | 0.5 | 0.5 | 0.8 | 0.3 |
| C.V. (%) | 7.3 | 7.8 | 10.0 | 12.9 | 10.2 | 3.9 | 5.2 | 7.6 | 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 13C. GENETIC COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | NJ2 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|
| RAD-FR33R | 7.0 | 7.0 | 6.0 | 5.0 | 7.7 | 8.3 | 6.7 | 7.0 | 6.8 |
| NAVIGATOR II | 6.7 | 7.0 | 5.0 | 5.7 | 7.0 | 7.7 | 8.0 | 7.0 | 6.8 |
| CARDINAL II (PPG-FRR 111) | 6.3 | 7.0 | 5.3 | 6.3 | 7.0 | 7.3 | 7.3 | 7.0 | 6.7 |
| RAD-FR47 | 6.7 | 6.7 | 5.7 | 5.7 | 7.3 | 7.0 | 6.0 | 7.0 | 6.5 |
| PST-4BEN | 6.7 | 7.0 | 5.3 | 5.7 | 6.7 | 7.7 | 6.0 | 6.7 | 6.5 |
| DLFPS-FRR/3068 | 6.7 | 6.7 | 4.3 | 5.3 | 6.7 | 7.0 | 8.0 | 6.3 | 6.4 |
| DLF-FRR 6162 | 6.7 | 7.0 | 4.0 | 5.0 | 7.0 | 8.0 | 6.0 | 6.7 | 6.3 |
| PST-4RUE | 6.7 | 7.0 | 5.3 | 5.3 | 7.0 | 7.7 | 5.0 | 6.3 | 6.3 |
| 7C34 | 6.0 | 7.0 | 4.3 | 4.7 | 7.3 | 8.0 | 6.0 | 6.3 | 6.2 |
| DLFPS-FRR/3069 | 6.0 | 6.7 | 3.7 | 4.3 | 6.7 | 7.7 | 8.0 | 6.0 | 6.1 |
| PST-4ED4 | 7.0 | 7.0 | 4.3 | 5.3 | 6.7 | 8.0 | 4.0 | 6.3 | 6.1 |
| PST-4DR4 | 6.3 | 6.7 | 4.3 | 4.7 | 6.7 | 7.3 | 6.0 | 6.3 | 6.0 |
| C14-OS3 | 6.0 | 6.0 | 5.0 | 4.3 | 6.0 | 8.0 | 6.0 | 6.0 | 5.9 |
| KENT | 6.3 | 6.7 | 4.0 | 4.7 | 6.3 | 7.7 | 5.0 | 6.7 | 5.9 |
| MARVEL | 5.3 | 6.7 | 4.0 | 5.3 | 6.7 | 7.7 | 5.0 | 6.0 | 5.8 |
| BOREAL | 5.5 | 6.0 | 2.7 | 4.3 | 5.0 | 7.3 | 6.7 | 6.0 | 5.4 |
| LSD VALUE | 1.1 | 0.7 | 1.2 | 1.3 | 0.9 | 0.8 | 0.4 | 0.7 | 0.3 |
| C.V. (%) | 10.2 | 6.4 | 16.7 | 15.2 | 8.6 | 6.8 | 4.0 | 6.3 | 9.2 |

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 13D. GENETIC COLOR RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | NJ2 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|
| RESOLUTE (7H7) | 7.0 | 6.3 | 7.0 | 7.7 | 5.7 | 7.5 | 8.0 | 6.7 | 7.0 |
| MNHD-14 | 6.7 | 6.3 | 6.7 | 7.3 | 5.7 | 8.0 | 8.0 | 6.3 | 6.9 |
| JETTY (PPG-FL 106) | 6.7 | 6.7 | 6.3 | 7.7 | 6.0 | 8.0 | 7.0 | 6.3 | 6.8 |
| DLFPS-FL/3066 | 6.7 | 6.0 | 7.3 | 7.0 | 5.7 | 8.0 | 6.3 | 6.3 | 6.7 |
| DLFPS-FL/3060 | 6.3 | 6.0 | 5.3 | 7.0 | 5.7 | 8.0 | 8.0 | 6.3 | 6.6 |
| SWORD | 6.7 | 6.0 | 6.3 | 6.3 | 5.7 | 8.0 | 7.0 | 6.3 | 6.5 |
| GLADIATOR (TH456) | 7.0 | 6.3 | 5.7 | 5.3 | 5.3 | 7.5 | 7.3 | 6.3 | 6.4 |
| QUATRO | 6.7 | 6.3 | 4.3 | 8.0 | 5.7 | 7.7 | 6.0 | 5.3 | 6.3 |
| BEACON | 6.0 | 5.7 | 5.7 | 5.0 | 5.7 | 7.5 | 7.3 | 6.0 | 6.1 |
| MINIMUS | 6.0 | 6.0 | 6.3 | 5.3 | 5.0 | 7.3 | 4.0 | 6.0 | 5.8 |
| PST-4BND | 6.0 | 5.7 | 6.3 | 5.7 | 5.3 | . | 4.3 | 6.0 | 5.6 |
| BEUDIN | 6.0 | 5.7 | 1.0 | 1.7 | 6.0 | 6.7 | 5.0 | 5.0 | 4.6 |
| LSD VALUE | 0.8 | 0.8 | 1.1 | 1.2 | 0.8 | 1.2 | 0.5 | 0.8 | 0.3 |
| C.V. (%) | 7.7 | 7.7 | 11.7 | 12.1 | 8.9 | 7.4 | 5.1 | 7.7 | 8.7 |

TABLE 13E. GENETIC COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | NJ2 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 6.0 | 6.0 | 5.3 | 3.3 | 6.0 | 8.0 | 5.3 | 5.0 | 5.6 |
| SEABREEZE GT | 5.7 | 5.3 | 3.7 | 2.7 | 6.0 | 7.5 | 6.0 | 5.3 | 5.3 |
| BAR FRT 5002 | 5.7 | 6.0 | 2.0 | 2.0 | 5.3 | 8.0 | 4.0 | 5.0 | 4.8 |
| LSD VALUE | 0.8 | 0.5 | 0.8 | 0.8 | 1.1 | 0.9 | 0.5 | 0.5 | 0.3 |
| C.V. (%) | 8.2 | 5.8 | 12.9 | 17.7 | 11.5 | 5.2 | 6.5 | 6.5 | 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 14A. SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IL1 | MI1 | MI2 | MN1 | NC1 | ND1 | NJ1 | OR1 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| QUATRO | 6.0 | 5.3 | 6.7 | 4.7 | 5.0 | 4.3 | 6.0 | 8.7 | 5.0 | 4.3 | 5.6 |
| BAR 6FR 126 | 5.7 | 6.3 | 3.7 | 4.7 | 6.0 | 6.7 | 5.0 | 6.3 | 6.7 | 4.3 | 5.5 |
| COMPASS II (PPG-FRC 113) | 7.0 | 6.7 | 2.7 | 4.7 | 6.0 | 7.0 | 5.0 | 5.0 | 6.0 | 5.0 | 5.5 |
| BAR VV-VP3-CT | 6.7 | 6.3 | 3.3 | 4.7 | 7.0 | 6.7 | 5.0 | 5.7 | 6.0 | 3.7 | 5.5 |
| KENT | 6.0 | 6.3 | 4.0 | 4.3 | 6.3 | 6.7 | 5.3 | 4.7 | 4.7 | 6.3 | 5.5 |
| RAD-FR33R | 8.0 | 6.3 | 3.0 | 3.3 | 6.3 | 7.0 | 5.0 | 5.0 | 5.3 | 5.3 | 5.5 |
| SEAMIST (PPG-FRT 101) | 5.0 | 7.3 | 3.7 | 5.0 | 6.7 | 7.0 | 5.0 | 4.7 | 5.3 | 5.0 | 5.5 |
| PST-4BEN | 7.3 | 6.0 | 3.3 | 3.3 | 5.7 | 6.7 | 6.0 | 4.7 | 6.0 | 5.7 | 5.5 |
| MINIMUS | 6.0 | 7.0 | 4.3 | 5.7 | 4.3 | 6.3 | 6.0 | 5.3 | 5.3 | 4.0 | 5.4 |
| RAD-FR47 | 8.3 | 6.0 | 3.0 | 4.0 | 5.3 | 4.7 | 6.0 | 4.3 | 6.0 | 6.3 | 5.4 |
| PST-4DR4 | 7.0 | 6.3 | 3.0 | 4.0 | 6.7 | 6.0 | 4.3 | 5.3 | 5.7 | 5.3 | 5.4 |
| CASCADE | 6.7 | 6.0 | 3.7 | 3.3 | 7.3 | 6.7 | 5.0 | 5.3 | 5.0 | 4.3 | 5.3 |
| NAVIGATOR II | 6.0 | 4.7 | 3.0 | 4.3 | 6.0 | 6.7 | 6.0 | 5.3 | 5.3 | 6.0 | 5.3 |
| C14-OS3 | 6.7 | 5.7 | 3.3 | 5.0 | 5.0 | 6.7 | 6.0 | 4.7 | 6.0 | 4.0 | 5.3 |
| PPG-FRC 114 | 7.3 | 6.3 | 3.3 | 4.0 | 5.3 | 6.7 | 5.0 | 5.0 | 6.3 | 3.7 | 5.3 |
| PST-4RUE | 6.7 | 6.3 | 3.0 | 3.3 | 5.3 | 6.0 | 6.0 | 4.3 | 5.3 | 6.3 | 5.3 |
| DLFPS-FRC/3060 | 7.3 | 5.7 | 3.3 | 4.3 | 6.7 | 4.7 | 5.0 | 5.0 | 5.3 | 4.7 | 5.2 |
| PST-4ED4 | 6.3 | 7.0 | 2.7 | 3.7 | 5.0 | 6.7 | 4.0 | 5.0 | 5.7 | 6.0 | 5.2 |
| DLF-FRR 6162 | 6.3 | 6.3 | 3.0 | 3.0 | 5.7 | 6.7 | 6.0 | 4.0 | 5.3 | 5.0 | 5.1 |
| CARDINAL II (PPG-FRR 111) | 6.3 | 5.3 | 3.3 | 4.0 | 6.0 | 6.3 | 5.0 | 5.0 | 5.3 | 4.3 | 5.1 |
| RADAR | 7.7 | 6.0 | 3.3 | 4.0 | 5.0 | 6.7 | 4.3 | 4.7 | 6.0 | 3.3 | 5.1 |
| 7C34 | 7.0 | 5.7 | 3.7 | 4.0 | 4.3 | 6.3 | 5.0 | 4.0 | 5.7 | 5.0 | 5.1 |
| MARVEL | 5.7 | 4.3 | 3.0 | 4.7 | 6.3 | 6.3 | 5.0 | 5.3 | 4.7 | 5.3 | 5.1 |
| DLFPS-FRR/3069 | 6.0 | 5.7 | 3.0 | 4.0 | 4.7 | 6.0 | 5.7 | 4.3 | 5.0 | 6.0 | 5.0 |
| DLFPS-FL/3066 | 6.3 | 7.0 | 4.7 | 3.3 | 4.0 | 4.3 | 6.0 | 4.7 | 5.7 | 4.0 | 5.0 |
| DLFPS-FRC/3057 | 6.3 | 6.3 | 2.7 | 3.3 | 5.0 | 6.7 | 5.0 | 4.7 | 6.0 | 3.3 | 4.9 |
| BOREAL | 5.7 | 4.7 | 3.0 | 3.0 | 4.7 | 6.7 | 6.0 | 5.0 | 5.3 | 4.3 | 4.8 |
| DLF-FRC 3338 | 7.3 | 4.3 | 3.0 | 4.0 | 5.0 | 7.0 | 5.3 | 4.0 | 6.0 | 2.3 | 4.8 |
| BEUDIN | 4.0 | 6.0 | 2.0 | 6.3 | 3.0 | 7.0 | 6.0 | 4.0 | 6.7 | 3.3 | 4.8 |
| SEABREEZE GT | 5.0 | 6.0 | 3.0 | 4.0 | 4.7 | 4.7 | 4.0 | 6.0 | 5.7 | 4.3 | 4.7 |
| DLFPS-FRR/3068 | 5.3 | 6.3 | 3.3 | 3.0 | 3.7 | 4.7 | 5.0 | 4.3 | 6.0 | 5.0 | 4.7 |
| DLFPS-FL/3060 | 6.3 | 5.3 | 2.7 | 4.0 | 4.7 | 4.7 | 6.0 | 4.0 | 5.7 | 3.0 | 4.6 |
| CASTLE (RAD-FC32) | 8.0 | 6.3 | 2.0 | 3.3 | 2.7 | 5.0 | 5.7 | 4.7 | 5.3 | 2.3 | 4.5 |
| RAD-FC44 | 9.0 | 4.3 | 2.0 | 2.7 | 3.7 | 6.7 | 5.0 | 4.3 | 5.7 | 2.0 | 4.5 |
| SWORD | 6.0 | 6.0 | 4.0 | 3.7 | 4.0 | 2.7 | 5.0 | 5.0 | 5.7 | 3.0 | 4.5 |
| JETTY (PPG-FL 106) | 6.3 | 5.0 | 5.3 | 2.7 | 3.3 | 2.7 | 5.0 | 5.7 | 5.3 | 3.3 | 4.5 |
| BEACON | 6.0 | 6.7 | 3.3 | 3.3 | 4.7 | 4.3 | 5.0 | 3.0 | 5.0 | 2.3 | 4.4 |
| GLADIATOR (TH456) | 5.7 | 4.3 | 4.0 | 3.3 | 3.7 | 4.7 | 6.0 | 3.3 | 5.7 | 3.0 | 4.4 |
| BAR FRT 5002 | 4.0 | 7.0 | 2.0 | 7.7 | 3.0 | 2.7 | 5.7 | 3.0 | 5.3 | 2.3 | 4.3 |
| MNHD-14 | 6.3 | 5.3 | 2.7 | 2.7 | 3.3 | 3.0 | 6.0 | 4.3 | 5.7 | 3.3 | 4.3 |
| PST-4BND | 6.0 | 6.7 | 4.0 | 3.0 | 3.3 | 1.0 | 6.0 | 4.3 | 4.7 | 3.0 | 4.2 |
| RESOLUTE (7H7) | 6.0 | 5.3 | 2.3 | 3.0 | 4.3 | 1.0 | 6.0 | 4.3 | 6.0 | 2.7 | 4.1 |
| LSD VALUE | 1.3 | 1.2 | 1.2 | 1.3 | 1.2 | 3.0 | 0.4 | 1.3 | 0.8 | 1.7 | 0.5 |
| C.V. (%) | 12.7 | 12.3 | 22.8 | 20.0 | 15.5 | 33.6 | 4.4 | 17.0 | 8.9 | 24.8 | 18.4 |

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 14B. SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IL1 | MI1 | MI2 | MN1 | NC1 | ND1 | NJ1 | OR1 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BAR 6FR 126 | 5.7 | 6.3 | 3.7 | 4.7 | 6.0 | 6.7 | 5.0 | 6.3 | 6.7 | 4.3 | 5.5 |
| COMPASS II (PPG-FRC 113) | 7.0 | 6.7 | 2.7 | 4.7 | 6.0 | 7.0 | 5.0 | 5.0 | 6.0 | 5.0 | 5.5 |
| BAR VV-VP3-CT | 6.7 | 6.3 | 3.3 | 4.7 | 7.0 | 6.7 | 5.0 | 5.7 | 6.0 | 3.7 | 5.5 |
| CASCADE | 6.7 | 6.0 | 3.7 | 3.3 | 7.3 | 6.7 | 5.0 | 5.3 | 5.0 | 4.3 | 5.3 |
| PPG-FRC 114 | 7.3 | 6.3 | 3.3 | 4.0 | 5.3 | 6.7 | 5.0 | 5.0 | 6.3 | 3.7 | 5.3 |
| DLFPS-FRC/3060 | 7.3 | 5.7 | 3.3 | 4.3 | 6.7 | 4.7 | 5.0 | 5.0 | 5.3 | 4.7 | 5.2 |
| RADAR | 7.7 | 6.0 | 3.3 | 4.0 | 5.0 | 6.7 | 4.3 | 4.7 | 6.0 | 3.3 | 5.1 |
| DLFPS-FRC/3057 | 6.3 | 6.3 | 2.7 | 3.3 | 5.0 | 6.7 | 5.0 | 4.7 | 6.0 | 3.3 | 4.9 |
| DLF-FRC 3338 | 7.3 | 4.3 | 3.0 | 4.0 | 5.0 | 7.0 | 5.3 | 4.0 | 6.0 | 2.3 | 4.8 |
| CASTLE (RAD-FC32) | 8.0 | 6.3 | 2.0 | 3.3 | 2.7 | 5.0 | 5.7 | 4.7 | 5.3 | 2.3 | 4.5 |
| RAD-FC44 | 9.0 | 4.3 | 2.0 | 2.7 | 3.7 | 6.7 | 5.0 | 4.3 | 5.7 | 2.0 | 4.5 |
| LSD VALUE | 1.3 | 1.2 | 1.0 | 1.2 | 1.0 | 2.4 | 0.5 | 1.1 | 0.8 | 2.3 | 0.4 |
| C.V. (%) | 10.8 | 12.6 | 21.7 | 18.4 | 12.0 | 23.4 | 6.0 | 14.0 | 8.4 | 40.8 | 17.1 |

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 14C. SPRING GREENUP RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IL1 | MI1 | MI2 | MN1 | NC1 | ND1 | NJ1 | OR1 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KENT | 6.0 | 6.3 | 4.0 | 4.3 | 6.3 | 6.7 | 5.3 | 4.7 | 4.7 | 6.3 | 5.5 |
| RAD-FR33R | 8.0 | 6.3 | 3.0 | 3.3 | 6.3 | 7.0 | 5.0 | 5.0 | 5.3 | 5.3 | 5.5 |
| PST-4BEN | 7.3 | 6.0 | 3.3 | 3.3 | 5.7 | 6.7 | 6.0 | 4.7 | 6.0 | 5.7 | 5.5 |
| RAD-FR47 | 8.3 | 6.0 | 3.0 | 4.0 | 5.3 | 4.7 | 6.0 | 4.3 | 6.0 | 6.3 | 5.4 |
| PST-4DR4 | 7.0 | 6.3 | 3.0 | 4.0 | 6.7 | 6.0 | 4.3 | 5.3 | 5.7 | 5.3 | 5.4 |
| NAVIGATOR II | 6.0 | 4.7 | 3.0 | 4.3 | 6.0 | 6.7 | 6.0 | 5.3 | 5.3 | 6.0 | 5.3 |
| C14-OS3 | 6.7 | 5.7 | 3.3 | 5.0 | 5.0 | 6.7 | 6.0 | 4.7 | 6.0 | 4.0 | 5.3 |
| PST-4RUE | 6.7 | 6.3 | 3.0 | 3.3 | 5.3 | 6.0 | 6.0 | 4.3 | 5.3 | 6.3 | 5.3 |
| PST-4ED4 | 6.3 | 7.0 | 2.7 | 3.7 | 5.0 | 6.7 | 4.0 | 5.0 | 5.7 | 6.0 | 5.2 |
| DLF-FRR 6162 | 6.3 | 6.3 | 3.0 | 3.0 | 5.7 | 6.7 | 6.0 | 4.0 | 5.3 | 5.0 | 5.1 |
| CARDINAL II (PPG-FRR 111) | 6.3 | 5.3 | 3.3 | 4.0 | 6.0 | 6.3 | 5.0 | 5.0 | 5.3 | 4.3 | 5.1 |
| 7C34 | 7.0 | 5.7 | 3.7 | 4.0 | 4.3 | 6.3 | 5.0 | 4.0 | 5.7 | 5.0 | 5.1 |
| MARVEL | 5.7 | 4.3 | 3.0 | 4.7 | 6.3 | 6.3 | 5.0 | 5.3 | 4.7 | 5.3 | 5.1 |
| DLFPS-FRR/3069 | 6.0 | 5.7 | 3.0 | 4.0 | 4.7 | 6.0 | 5.7 | 4.3 | 5.0 | 6.0 | 5.0 |
| BOREAL | 5.7 | 4.7 | 3.0 | 3.0 | 4.7 | 6.7 | 6.0 | 5.0 | 5.3 | 4.3 | 4.8 |
| DLFPS-FRR/3068 | 5.3 | 6.3 | 3.3 | 3.0 | 3.7 | 4.7 | 5.0 | 4.3 | 6.0 | 5.0 | 4.7 |
| LSD VALUE | 1.5 | 1.1 | 0.8 | 0.8 | 1.3 | 2.0 | 0.4 | 1.5 | 0.8 | 1.5 | 0.4 |
| C.V. (%) | 14.5 | 11.6 | 15.8 | 13.7 | 14.5 | 20.0 | 4.6 | 19.4 | 8.8 | 17.3 | 15.0 |

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 14D. SPRING GREENUP RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IL1 | MI1 | MI2 | MN1 | NC1 | ND1 | NJ1 | OR1 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| QUATRO | 6.0 | 5.3 | 6.7 | 4.7 | 5.0 | 4.3 | 6 | 8.7 | 5.0 | 4.3 | 5.6 |
| MINIMUS | 6.0 | 7.0 | 4.3 | 5.7 | 4.3 | 6.3 | 6 | 5.3 | 5.3 | 4.0 | 5.4 |
| DLFPS-FL/3066 | 6.3 | 7.0 | 4.7 | 3.3 | 4.0 | 4.3 | 6 | 4.7 | 5.7 | 4.0 | 5.0 |
| BEUDIN | 4.0 | 6.0 | 2.0 | 6.3 | 3.0 | 7.0 | 6 | 4.0 | 6.7 | 3.3 | 4.8 |
| DLFPS-FL/3060 | 6.3 | 5.3 | 2.7 | 4.0 | 4.7 | 4.7 | 6 | 4.0 | 5.7 | 3.0 | 4.6 |
| SWORD | 6.0 | 6.0 | 4.0 | 3.7 | 4.0 | 2.7 | 5 | 5.0 | 5.7 | 3.0 | 4.5 |
| JETTY (PPG-FL 106) | 6.3 | 5.0 | 5.3 | 2.7 | 3.3 | 2.7 | 5 | 5.7 | 5.3 | 3.3 | 4.5 |
| BEACON | 6.0 | 6.7 | 3.3 | 3.3 | 4.7 | 4.3 | 5 | 3.0 | 5.0 | 2.3 | 4.4 |
| GLADIATOR (TH456) | 5.7 | 4.3 | 4.0 | 3.3 | 3.7 | 4.7 | 6 | 3.3 | 5.7 | 3.0 | 4.4 |
| MNHD-14 | 6.3 | 5.3 | 2.7 | 2.7 | 3.3 | 3.0 | 6 | 4.3 | 5.7 | 3.3 | 4.3 |
| PST-4BND | 6.0 | 6.7 | 4.0 | 3.0 | 3.3 | 1.0 | 6 | 4.3 | 4.7 | 3.0 | 4.2 |
| RESOLUTE (7H7) | 6.0 | 5.3 | 2.3 | 3.0 | 4.3 | 1.0 | 6 | 4.3 | 6.0 | 2.7 | 4.1 |
| LSD VALUE | 1.1 | 1.3 | 1.8 | 1.8 | 1.4 | 4.0 | 0 | 1.4 | 0.8 | 1.2 | 0.6 |
| C.V. (%) | 11.6 | 14.3 | 28.8 | 29.4 | 22.6 | 65.1 | 0 | 18.0 | 9.0 | 23.3 | 23.8 |

TABLE 14E. SPRING GREENUP RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IL1 | MI1 | MI2 | MN1 | NC1 | ND1 | NJ1 | OR1 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 5.0 | 7.3 | 3.7 | 5.0 | 6.7 | 7.0 | 5.0 | 4.7 | 5.3 | 5.0 | 5.5 |
| SEABREEZE GT | 5.0 | 6.0 | 3.0 | 4.0 | 4.7 | 4.7 | 4.0 | 6.0 | 5.7 | 4.3 | 4.7 |
| BAR FRT 5002 | 4.0 | 7.0 | 2.0 | 7.7 | 3.0 | 2.7 | 5.7 | 3.0 | 5.3 | 2.3 | 4.3 |
| LSD VALUE | 0.9 | 0.5 | 0.5 | 1.1 | 0.8 | 4.0 | 0.5 | 0.5 | 0.9 | 1.2 | 0.5 |
| C.V. (%) | 12.4 | 4.9 | 11.5 | 12.0 | 9.9 | 52.2 | 6.8 | 7.3 | 10.6 | 19.2 | 19.2 |

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 15A. SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| DLF-FRR 6162 | 4.3 | 6.0 | 5.2 |
| RADAR | 5.3 | 5.0 | 5.2 |
| C14-OS3 | 4.7 | 5.0 | 4.8 |
| CARDINAL II (PPG-FRR 111) | 4.7 | 5.0 | 4.8 |
| BAR VV-VP3-CT | 3.7 | 6.0 | 4.8 |
| PST-4RUE | 3.7 | 6.0 | 4.8 |
| RAD-FR47 | 3.7 | 6.0 | 4.8 |
| DLFPS-FRC/3060 | 3.3 | 6.0 | 4.7 |
| DLFPS-FRR/3069 | 4.7 | 4.7 | 4.7 |
| NAVIGATOR II | 4.3 | 5.0 | 4.7 |
| 7C34 | 4.0 | 5.0 | 4.5 |
| COMPASS II (PPG-FRC 113) | 5.0 | 4.0 | 4.5 |
| DLFPS-FRR/3068 | 4.0 | 5.0 | 4.5 |
| KENT | 4.0 | 5.0 | 4.5 |
| PST-4DR4 | 4.0 | 5.0 | 4.5 |
| CASCADE | 4.7 | 4.0 | 4.3 |
| DLF-FRC 3338 | 4.7 | 4.0 | 4.3 |
| PPG-FRC 114 | 4.7 | 4.0 | 4.3 |
| BOREAL | 2.7 | 6.0 | 4.3 |
| MARVEL | 3.7 | 5.0 | 4.3 |
| PST-4BEN | 3.7 | 5.0 | 4.3 |
| SEAMIST (PPG-FRT 101) | 4.3 | 4.0 | 4.2 |
| QUATRO | 2.0 | 6.0 | 4.0 |
| RAD-FR33R | 3.0 | 5.0 | 4.0 |
| BEUDIN | 1.7 | 6.0 | 3.8 |
| DLFPS-FL/3066 | 1.7 | 6.0 | 3.8 |
| GLADIATOR (TH456) | 1.7 | 6.0 | 3.8 |
| BAR 6FR 126 | 2.7 | 5.0 | 3.8 |
| CASTLE (RAD-FC32) | 2.7 | 5.0 | 3.8 |
| DLFPS-FRC/3057 | 3.7 | 4.0 | 3.8 |
| MINIMUS | 2.7 | 5.0 | 3.8 |
| RAD-FC44 | 3.7 | 4.0 | 3.8 |
| DLFPS-FL/3060 | 2.3 | 5.0 | 3.7 |
| PST-4ED4 | 3.3 | 4.0 | 3.7 |
| BAR FRT 5002 | 1.3 | 6.0 | 3.7 |
| RESOLUTE (7H7) | 1.0 | 6.0 | 3.5 |
| BEACON | 1.7 | 5.0 | 3.3 |
| MNHD-14 | 1.0 | 5.3 | 3.2 |
| JETTY (PPG-FL 106) | 1.0 | 5.0 | 3.0 |
| PST-4BND | 1.0 | 5.0 | 3.0 |
| SEABREEZE GT | 2.0 | 4.0 | 3.0 |
| SWORD | 1.0 | 5.0 | 3.0 |
| LSD VALUE | 2.1 | 0.2 | 1.0 |
| C.V. (%) | 40.5 | 2.5 | 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 15B. SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| RADAR | 5.3 | 5 | 5.2 |
| BAR VV-VP3-CT | 3.7 | 6 | 4.8 |
| DLFPS-FRC/3060 | 3.3 | 6 | 4.7 |
| COMPASS II (PPG-FRC 113) | 5.0 | 4 | 4.5 |
| CASCADE | 4.7 | 4 | 4.3 |
| DLF-FRC 3338 | 4.7 | 4 | 4.3 |
| PPG-FRC 114 | 4.7 | 4 | 4.3 |
| BAR 6FR 126 | 2.7 | 5 | 3.8 |
| CASTLE (RAD-FC32) | 2.7 | 5 | 3.8 |
| DLFPS-FRC/3057 | 3.7 | 4 | 3.8 |
| RAD-FC44 | 3.7 | 4 | 3.8 |
| LSD VALUE | 2.3 | 0 | 1.2 |
| C.V. (%) | 36.4 | 0 | 23.8 |

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 15C. SPRING DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| DLF-FRR 6162 | 4.3 | 6.0 | 5.2 |
| C14-OS3 | 4.7 | 5.0 | 4.8 |
| CARDINAL II (PPG-FRR 111) | 4.7 | 5.0 | 4.8 |
| PST-4RUE | 3.7 | 6.0 | 4.8 |
| RAD-FR47 | 3.7 | 6.0 | 4.8 |
| DLFPS-FRR/3069 | 4.7 | 4.7 | 4.7 |
| NAVIGATOR II | 4.3 | 5.0 | 4.7 |
| 7C34 | 4.0 | 5.0 | 4.5 |
| DLFPS-FRR/3068 | 4.0 | 5.0 | 4.5 |
| KENT | 4.0 | 5.0 | 4.5 |
| PST-4DR4 | 4.0 | 5.0 | 4.5 |
| BOREAL | 2.7 | 6.0 | 4.3 |
| MARVEL | 3.7 | 5.0 | 4.3 |
| PST-4BEN | 3.7 | 5.0 | 4.3 |
| RAD-FR33R | 3.0 | 5.0 | 4.0 |
| PST-4ED4 | 3.3 | 4.0 | 3.7 |
| LSD VALUE | 2.4 | 0.2 | 1.2 |
| C.V. (%) | 37.8 | 2.8 | 23.1 |

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 15D. SPRING DENSITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| QUATRO | 2.0 | 6.0 | 4.0 |
| BEUDIN | 1.7 | 6.0 | 3.8 |
| DLFPS-FL/3066 | 1.7 | 6.0 | 3.8 |
| GLADIATOR (TH456) | 1.7 | 6.0 | 3.8 |
| MINIMUS | 2.7 | 5.0 | 3.8 |
| DLFPS-FL/3060 | 2.3 | 5.0 | 3.7 |
| RESOLUTE (7H7) | 1.0 | 6.0 | 3.5 |
| BEACON | 1.7 | 5.0 | 3.3 |
| MNHD-14 | 1.0 | 5.3 | 3.2 |
| JETTY (PPG-FL 106) | 1.0 | 5.0 | 3.0 |
| PST-4BND | 1.0 | 5.0 | 3.0 |
| SWORD | 1.0 | 5.0 | 3.0 |
| LSD VALUE | 1.2 | 0.3 | 0.6 |
| C.V. (%) | 49.1 | 3.1 | 15.8 |

TABLE 15E. SPRING DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 4.3 | 4 | 4.2 |
| BAR FRT 5002 | 1.3 | 6 | 3.7 |
| SEABREEZE GT | 2.0 | 4 | 3.0 |
| LSD VALUE | 1.8 | 0 | 0.9 |
| C.V. (%) | 43.3 | 0 | 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 16A. SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | IN1 | MEAN |
|---|---|---|---|---|
| BEUDIN | 7.0 | 6.0 | 8.0 | 7.0 |
| C14-OS3 | 7.7 | 5.0 | 7.3 | 6.7 |
| CASTLE (RAD-FC32) | 8.0 | 6.0 | 6.0 | 6.7 |
| COMPASS II (PPG-FRC 113) | 8.0 | 5.0 | 6.7 | 6.6 |
| PST-4BEN | 7.3 | 6.0 | 6.3 | 6.6 |
| DLFPS-FRC/3060 | 7.5 | 6.0 | 6.0 | 6.5 |
| DLFPS-FRR/3068 | 7.3 | 5.7 | 6.3 | 6.4 |
| SEAMIST (PPG-FRT 101) | 8.0 | 5.0 | 6.3 | 6.4 |
| GLADIATOR (TH456) | . | 6.7 | 6.0 | 6.3 |
| RESOLUTE (7H7) | . | 7.0 | 5.7 | 6.3 |
| 7C34 | 6.7 | 6.0 | 6.3 | 6.3 |
| DLF-FRC 3338 | 7.7 | 5.0 | 6.3 | 6.3 |
| RAD-FR47 | 7.0 | 6.0 | 6.0 | 6.3 |
| BAR 6FR 126 | 7.5 | 5.0 | 6.3 | 6.3 |
| RAD-FR33R | 7.5 | 6.0 | 5.3 | 6.3 |
| DLFPS-FRR/3069 | 7.0 | 5.0 | 6.7 | 6.2 |
| NAVIGATOR II | 7.7 | 5.3 | 5.7 | 6.2 |
| DLFPS-FRC/3057 | 6.7 | 5.0 | 6.7 | 6.1 |
| BAR VV-VP3-CT | 7.0 | 6.0 | 5.3 | 6.1 |
| CARDINAL II (PPG-FRR 111) | 7.3 | 6.0 | 5.0 | 6.1 |
| DLF-FRR 6162 | 7.3 | 6.0 | 5.0 | 6.1 |
| PST-4ED4 | 7.5 | 5.0 | 5.7 | 6.1 |
| PST-4DR4 | 7.0 | 5.0 | 6.0 | 6.0 |
| QUATRO | 7.0 | 6.3 | 4.7 | 6.0 |
| PST-4RUE | 6.5 | 6.0 | 5.3 | 5.9 |
| MNHD-14 | . | 6.3 | 5.5 | 5.9 |
| PPG-FRC 114 | 7.7 | 4.7 | 5.3 | 5.9 |
| BEACON | . | 6.0 | 5.7 | 5.8 |
| KENT | 6.7 | 6.0 | 4.7 | 5.8 |
| CASCADE | 8.0 | 5.0 | 4.3 | 5.8 |
| MINIMUS | 7.0 | 6.0 | 4.3 | 5.8 |
| PST-4BND | 7.0 | 6.0 | 4.3 | 5.8 |
| RADAR | 7.0 | 5.0 | 5.3 | 5.8 |
| BOREAL | 6.0 | 6.0 | 5.0 | 5.7 |
| MARVEL | 6.0 | 5.0 | 6.0 | 5.7 |
| RAD-FC44 | 7.0 | 5.0 | 5.0 | 5.7 |
| JETTY (PPG-FL 106) | . | 6.0 | 5.3 | 5.7 |
| BAR FRT 5002 | . | 6.0 | 5.0 | 5.5 |
| DLFPS-FL/3066 | . | 6.0 | 5.0 | 5.5 |
| DLFPS-FL/3060 | . | 6.0 | 4.7 | 5.3 |
| SEABREEZE GT | 5.0 | 5.0 | 5.3 | 5.1 |
| SWORD | . | 5.0 | 4.7 | 4.8 |
| LSD VALUE | 1.4 | 0.4 | 1.5 | 0.7 |
| C.V. (%) | 10.7 | 3.9 | 16.8 | 11.6 |

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 16B. SUMMER DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | IN1 | MEAN |
|---|---|---|---|---|
| CASTLE (RAD-FC32) | 8.0 | 6.0 | 6.0 | 6.7 |
| COMPASS II (PPG-FRC 113) | 8.0 | 5.0 | 6.7 | 6.6 |
| DLFPS-FRC/3060 | 7.5 | 6.0 | 6.0 | 6.5 |
| DLF-FRC 3338 | 7.7 | 5.0 | 6.3 | 6.3 |
| BAR 6FR 126 | 7.5 | 5.0 | 6.3 | 6.3 |
| DLFPS-FRC/3057 | 6.7 | 5.0 | 6.7 | 6.1 |
| BAR VV-VP3-CT | 7.0 | 6.0 | 5.3 | 6.1 |
| PPG-FRC 114 | 7.7 | 4.7 | 5.3 | 5.9 |
| CASCADE | 8.0 | 5.0 | 4.3 | 5.8 |
| RADAR | 7.0 | 5.0 | 5.3 | 5.8 |
| RAD-FC44 | 7.0 | 5.0 | 5.0 | 5.7 |
| LSD VALUE | 1.3 | 0.3 | 1.7 | 0.7 |
| C.V. (%) | 9.8 | 3.3 | 18.6 | 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 16C. SUMMER DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | IN1 | MEAN |
|---|---|---|---|---|
| C14-OS3 | 7.7 | 5.0 | 7.3 | 6.7 |
| PST-4BEN | 7.3 | 6.0 | 6.3 | 6.6 |
| DLFPS-FRR/3068 | 7.3 | 5.7 | 6.3 | 6.4 |
| 7C34 | 6.7 | 6.0 | 6.3 | 6.3 |
| RAD-FR47 | 7.0 | 6.0 | 6.0 | 6.3 |
| RAD-FR33R | 7.5 | 6.0 | 5.3 | 6.3 |
| DLFPS-FRR/3069 | 7.0 | 5.0 | 6.7 | 6.2 |
| NAVIGATOR II | 7.7 | 5.3 | 5.7 | 6.2 |
| CARDINAL II (PPG-FRR 111) | 7.3 | 6.0 | 5.0 | 6.1 |
| DLF-FRR 6162 | 7.3 | 6.0 | 5.0 | 6.1 |
| PST-4ED4 | 7.5 | 5.0 | 5.7 | 6.1 |
| PST-4DR4 | 7.0 | 5.0 | 6.0 | 6.0 |
| PST-4RUE | 6.5 | 6.0 | 5.3 | 5.9 |
| KENT | 6.7 | 6.0 | 4.7 | 5.8 |
| BOREAL | 6.0 | 6.0 | 5.0 | 5.7 |
| MARVEL | 6.0 | 5.0 | 6.0 | 5.7 |
| LSD VALUE | 1.4 | 0.3 | 1.5 | 0.7 |
| C.V. (%) | 11.2 | 3.6 | 15.8 | 11.4 |

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 16D. SUMMER DENSITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | IN1 | MEAN |
|---|---|---|---|---|
| BEUDIN | 7.0 | 6.0 | 8.0 | 7.0 |
| GLADIATOR (TH456) | . | 6.7 | 6.0 | 6.3 |
| RESOLUTE (7H7) | . | 7.0 | 5.7 | 6.3 |
| QUATRO | 7.0 | 6.3 | 4.7 | 6.0 |
| MNHD-14 | . | 6.3 | 5.5 | 5.9 |
| BEACON | . | 6.0 | 5.7 | 5.8 |
| MINIMUS | 7.0 | 6.0 | 4.3 | 5.8 |
| PST-4BND | 7.0 | 6.0 | 4.3 | 5.8 |
| JETTY (PPG-FL 106) | . | 6.0 | 5.3 | 5.7 |
| DLFPS-FL/3066 | . | 6.0 | 5.0 | 5.5 |
| DLFPS-FL/3060 | . | 6.0 | 4.7 | 5.3 |
| SWORD | . | 5.0 | 4.7 | 4.8 |
| LSD VALUE | 2.4 | 0.5 | 1.4 | 0.7 |
| C.V. (%) | 14.3 | 4.7 | 15.9 | 10.9 |

TABLE 16E. SUMMER DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | IN1 | MEAN |
|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 8 | 5 | 6.3 | 6.4 |
| BAR FRT 5002 | . | 6 | 5.0 | 5.5 |
| SEABREEZE GT | 5 | 5 | 5.3 | 5.1 |
| LSD VALUE | 0 | 0 | 1.5 | 0.6 |
| C.V. (%) | 0 | 0 | 17.0 | 10.8 |

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 17A. FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| RESOLUTE (7H7) | . | 8.0 | 8.0 |
| MNHD-14 | . | 7.3 | 7.3 |
| BAR FRT 5002 | . | 7.0 | 7.0 |
| DLFPS-FL/3066 | . | 7.0 | 7.0 |
| JETTY (PPG-FL 106) | . | 7.0 | 7.0 |
| C14-OS3 | 6.3 | 6.0 | 6.2 |
| RADAR | 6.3 | 6.0 | 6.2 |
| DLF-FRR 6162 | 5.0 | 7.0 | 6.0 |
| MINIMUS | 5.0 | 7.0 | 6.0 |
| PST-4RUE | 4.0 | 8.0 | 6.0 |
| SEABREEZE GT | . | 6.0 | 6.0 |
| SWORD | . | 6.0 | 6.0 |
| RAD-FC44 | 5.5 | 6.0 | 5.8 |
| COMPASS II (PPG-FRC 113) | 5.3 | 6.0 | 5.7 |
| CARDINAL II (PPG-FRR 111) | 5.0 | 6.0 | 5.5 |
| CASCADE | 5.0 | 6.0 | 5.5 |
| MARVEL | 5.0 | 6.0 | 5.5 |
| PPG-FRC 114 | 5.0 | 6.0 | 5.5 |
| DLF-FRC 3338 | 4.7 | 6.0 | 5.3 |
| DLFPS-FRC/3060 | 3.5 | 7.0 | 5.3 |
| KENT | 3.5 | 7.0 | 5.3 |
| RAD-FR33R | 3.5 | 7.0 | 5.3 |
| 7C34 | 3.3 | 7.0 | 5.2 |
| BAR VV-VP3-CT | 3.3 | 7.0 | 5.2 |
| QUATRO | 3.0 | 7.3 | 5.2 |
| BOREAL | 3.0 | 7.0 | 5.0 |
| DLFPS-FRR/3068 | 4.0 | 6.0 | 5.0 |
| GLADIATOR (TH456) | 2.0 | 8.0 | 5.0 |
| NAVIGATOR II | 4.0 | 6.0 | 5.0 |
| PST-4BEN | 4.0 | 6.0 | 5.0 |
| RAD-FR47 | 3.0 | 7.0 | 5.0 |
| SEAMIST (PPG-FRT 101) | 4.0 | 6.0 | 5.0 |
| DLFPS-FRR/3069 | 3.7 | 6.0 | 4.8 |
| CASTLE (RAD-FC32) | 3.5 | 6.0 | 4.8 |
| BEUDIN | 2.0 | 7.0 | 4.5 |
| DLFPS-FL/3060 | 2.0 | 7.0 | 4.5 |
| DLFPS-FRC/3057 | 3.0 | 6.0 | 4.5 |
| PST-4DR4 | 3.0 | 6.0 | 4.5 |
| PST-4ED4 | 2.7 | 6.0 | 4.3 |
| BEACON | 2.0 | 6.3 | 4.2 |
| BAR 6FR 126 | 2.0 | 6.0 | 4.0 |
| PST-4BND | 2.0 | 6.0 | 4.0 |
| LSD VALUE | 2.5 | 0.2 | 0.9 |
| C.V. (%) | 31.6 | 2.4 | 13.2 |

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 17B. FALL DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| RADAR | 6.3 | 6 | 6.2 |
| RAD-FC44 | 5.5 | 6 | 5.8 |
| COMPASS II (PPG-FRC 113) | 5.3 | 6 | 5.7 |
| CASCADE | 5.0 | 6 | 5.5 |
| PPG-FRC 114 | 5.0 | 6 | 5.5 |
| DLF-FRC 3338 | 4.7 | 6 | 5.3 |
| DLFPS-FRC/3060 | 3.5 | 7 | 5.3 |
| BAR VV-VP3-CT | 3.3 | 7 | 5.2 |
| CASTLE (RAD-FC32) | 3.5 | 6 | 4.8 |
| DLFPS-FRC/3057 | 3.0 | 6 | 4.5 |
| BAR 6FR 126 | 2.0 | 6 | 4.0 |
| LSD VALUE | 2.3 | 0 | 1.0 |
| C.V. (%) | 30.2 | 0 | 16.6 |

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

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

TABLE 17C. FALL DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| C14-OS3 | 6.3 | 6 | 6.2 |
| DLF-FRR 6162 | 5.0 | 7 | 6.0 |
| PST-4RUE | 4.0 | 8 | 6.0 |
| CARDINAL II (PPG-FRR 111) | 5.0 | 6 | 5.5 |
| MARVEL | 5.0 | 6 | 5.5 |
| KENT | 3.5 | 7 | 5.3 |
| RAD-FR33R | 3.5 | 7 | 5.3 |
| 7C34 | 3.3 | 7 | 5.2 |
| BOREAL | 3.0 | 7 | 5.0 |
| DLFPS-FRR/3068 | 4.0 | 6 | 5.0 |
| NAVIGATOR II | 4.0 | 6 | 5.0 |
| PST-4BEN | 4.0 | 6 | 5.0 |
| RAD-FR47 | 3.0 | 7 | 5.0 |
| DLFPS-FRR/3069 | 3.7 | 6 | 4.8 |
| PST-4DR4 | 3.0 | 6 | 4.5 |
| PST-4ED4 | 2.7 | 6 | 4.3 |
| LSD VALUE | 2.3 | 0 | 0.9 |
| C.V. (%) | 29.2 | 0 | 13.8 |

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 17D. FALL DENSITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| RESOLUTE (7H7) | . | 8.0 | 8.0 |
| MNHD-14 | . | 7.3 | 7.3 |
| DLFPS-FL/3066 | . | 7.0 | 7.0 |
| JETTY (PPG-FL 106) | . | 7.0 | 7.0 |
| MINIMUS | 5 | 7.0 | 6.0 |
| SWORD | . | 6.0 | 6.0 |
| QUATRO | 3 | 7.3 | 5.2 |
| GLADIATOR (TH456) | 2 | 8.0 | 5.0 |
| BEUDIN | 2 | 7.0 | 4.5 |
| DLFPS-FL/3060 | 2 | 7.0 | 4.5 |
| BEACON | 2 | 6.3 | 4.2 |
| PST-4BND | 2 | 6.0 | 4.0 |
| LSD VALUE | 0 | 0.5 | 0.4 |
| C.V. (%) | 0 | 4.1 | 5.3 |

TABLE 17E. FALL DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NC1 | ND1 | MEAN |
|---|---|---|---|
| BAR FRT 5002 | . | 7 | 7.0 |
| SEABREEZE GT | . | 6 | 6.0 |
| SEAMIST (PPG-FRT 101) | 4.0 | 6 | 5.0 |
| LSD VALUE | 1.6 | 0 | 0.7 |
| C.V. (%) | 25.0 | 0 | 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 18A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| COMPASS II (PPG-FRC 113) | 99.0 | 82.7 | 78.3 | 91.7 | 90.0 | 88.3 |
| C14-OS3 | 99.0 | 81.7 | 70.0 | 91.7 | 86.7 | 85.8 |
| CARDINAL II (PPG-FRR 111) | 91.7 | 91.3 | 67.3 | 88.3 | 86.7 | 85.1 |
| DLF-FRR 6162 | 97.7 | 85.0 | 68.3 | 91.7 | 80.0 | 84.5 |
| PPG-FRC 114 | 99.0 | 83.3 | 71.7 | 85.0 | 83.3 | 84.5 |
| RADAR | 99.0 | 75.0 | 75.0 | 88.3 | 83.3 | 84.1 |
| 7C34 | 99.0 | 83.3 | 71.7 | 81.7 | 83.3 | 83.8 |
| DLF-FRC 3338 | 97.7 | 85.0 | 60.0 | 85.0 | 90.0 | 83.5 |
| DLFPS-FRC/3060 | 96.0 | 81.7 | 55.7 | 91.7 | 86.7 | 82.3 |
| DLFPS-FRR/3069 | 94.7 | 70.0 | 78.3 | 88.3 | 80.0 | 82.3 |
| DLFPS-FRR/3068 | 95.3 | 85.7 | 56.7 | 88.3 | 83.3 | 81.9 |
| KENT | 93.3 | 81.7 | 50.0 | 95.0 | 80.0 | 80.0 |
| CASCADE | 91.3 | 79.3 | 65.0 | 86.7 | 76.7 | 79.8 |
| SEAMIST (PPG-FRT 101) | 94.3 | 75.0 | 63.3 | 85.0 | 80.0 | 79.5 |
| NAVIGATOR II | 90.0 | 71.7 | 65.0 | 93.3 | 76.7 | 79.3 |
| PST-4BEN | 89.7 | 86.3 | 50.0 | 90.0 | 80.0 | 79.2 |
| DLFPS-FRC/3057 | 99.0 | 76.7 | 51.7 | 85.0 | 83.3 | 79.1 |
| BAR VV-VP3-CT | 96.0 | 71.7 | 55.0 | 88.3 | 83.3 | 78.9 |
| RAD-FR47 | 92.7 | 76.7 | 46.3 | 95.0 | 83.3 | 78.8 |
| PST-4DR4 | 92.7 | 75.0 | 60.0 | 85.0 | 80.0 | 78.5 |
| MARVEL | 96.0 | 76.7 | 51.7 | 85.0 | 80.0 | 77.9 |
| BAR 6FR 126 | 97.7 | 81.7 | 36.7 | 85.0 | 88.0 | 77.8 |
| PST-4RUE | 88.3 | 83.3 | 45.0 | 91.7 | 80.0 | 77.7 |
| PST-4ED4 | 94.3 | 85.0 | 38.3 | 85.0 | 83.3 | 77.2 |
| RAD-FC44 | 96.0 | 66.7 | 45.0 | 86.7 | 83.3 | 75.5 |
| BOREAL | 88.3 | 80.0 | 33.3 | 95.0 | 80.0 | 75.3 |
| CASTLE (RAD-FC32) | 97.7 | 76.7 | 33.7 | 91.7 | 76.7 | 75.3 |
| RAD-FR33R | 95.0 | 78.3 | 33.3 | 88.3 | 80.0 | 75.0 |
| QUATRO | 89.3 | 70.0 | 33.7 | 95.0 | 83.3 | 74.3 |
| GLADIATOR (TH456) | 86.7 | 81.7 | 12.0 | 93.3 | 86.7 | 72.1 |
| DLFPS-FL/3060 | 93.3 | 76.7 | 18.3 | 85.0 | 83.3 | 71.3 |
| MINIMUS | 78.3 | 78.3 | 31.0 | 85.0 | 83.3 | 71.2 |
| SEABREEZE GT | 89.3 | 66.7 | 17.3 | 88.3 | 83.3 | 69.0 |
| RESOLUTE (7H7) | 88.3 | 71.7 | 3.7 | 95.0 | 83.3 | 68.4 |
| DLFPS-FL/3066 | 91.7 | 56.7 | 3.7 | 93.3 | 83.3 | 65.7 |
| PST-4BND | 84.3 | 66.7 | 1.3 | 95.0 | 80.0 | 65.5 |
| BEUDIN | 94.0 | 43.3 | 12.3 | 86.7 | 90.0 | 65.3 |
| BEACON | 93.7 | 46.7 | 8.7 | 93.3 | 80.0 | 64.5 |
| SWORD | 87.7 | 60.0 | 2.7 | 81.7 | 83.3 | 63.1 |
| JETTY (PPG-FL 106) | 83.3 | 51.7 | 1.3 | 95.0 | 83.3 | 62.9 |
| MNHD-14 | 89.7 | 53.3 | 1.7 | 91.7 | 76.7 | 62.6 |
| BAR FRT 5002 | 99.0 | 33.3 | 2.0 | 81.7 | 80.0 | 59.2 |
| LSD VALUE | 9.0 | 22.2 | 37.3 | 6.2 | 7.8 | 9.1 |
| C.V. (%) | 6.0 | 18.8 | 56.5 | 4.3 | 5.9 | 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 18B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| COMPASS II (PPG-FRC 113) | 99.0 | 82.7 | 78.3 | 91.7 | 90.0 | 88.3 |
| PPG-FRC 114 | 99.0 | 83.3 | 71.7 | 85.0 | 83.3 | 84.5 |
| RADAR | 99.0 | 75.0 | 75.0 | 88.3 | 83.3 | 84.1 |
| DLF-FRC 3338 | 97.7 | 85.0 | 60.0 | 85.0 | 90.0 | 83.5 |
| DLFPS-FRC/3060 | 96.0 | 81.7 | 55.7 | 91.7 | 86.7 | 82.3 |
| CASCADE | 91.3 | 79.3 | 65.0 | 86.7 | 76.7 | 79.8 |
| DLFPS-FRC/3057 | 99.0 | 76.7 | 51.7 | 85.0 | 83.3 | 79.1 |
| BAR VV-VP3-CT | 96.0 | 71.7 | 55.0 | 88.3 | 83.3 | 78.9 |
| BAR 6FR 126 | 97.7 | 81.7 | 36.7 | 85.0 | 88.0 | 77.8 |
| RAD-FC44 | 96.0 | 66.7 | 45.0 | 86.7 | 83.3 | 75.5 |
| CASTLE (RAD-FC32) | 97.7 | 76.7 | 33.7 | 91.7 | 76.7 | 75.3 |
| LSD VALUE | 6.8 | 20.9 | 46.3 | 8.5 | 8.7 | 10.5 |
| C.V. (%) | 4.4 | 16.7 | 50.5 | 6.0 | 6.4 | 18.1 |

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 18C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| C14-OS3 | 99.0 | 81.7 | 70.0 | 91.7 | 86.7 | 85.8 |
| CARDINAL II (PPG-FRR 111) | 91.7 | 91.3 | 67.3 | 88.3 | 86.7 | 85.1 |
| DLF-FRR 6162 | 97.7 | 85.0 | 68.3 | 91.7 | 80.0 | 84.5 |
| 7C34 | 99.0 | 83.3 | 71.7 | 81.7 | 83.3 | 83.8 |
| DLFPS-FRR/3069 | 94.7 | 70.0 | 78.3 | 88.3 | 80.0 | 82.3 |
| DLFPS-FRR/3068 | 95.3 | 85.7 | 56.7 | 88.3 | 83.3 | 81.9 |
| KENT | 93.3 | 81.7 | 50.0 | 95.0 | 80.0 | 80.0 |
| NAVIGATOR II | 90.0 | 71.7 | 65.0 | 93.3 | 76.7 | 79.3 |
| PST-4BEN | 89.7 | 86.3 | 50.0 | 90.0 | 80.0 | 79.2 |
| RAD-FR47 | 92.7 | 76.7 | 46.3 | 95.0 | 83.3 | 78.8 |
| PST-4DR4 | 92.7 | 75.0 | 60.0 | 85.0 | 80.0 | 78.5 |
| MARVEL | 96.0 | 76.7 | 51.7 | 85.0 | 80.0 | 77.9 |
| PST-4RUE | 88.3 | 83.3 | 45.0 | 91.7 | 80.0 | 77.7 |
| PST-4ED4 | 94.3 | 85.0 | 38.3 | 85.0 | 83.3 | 77.2 |
| BOREAL | 88.3 | 80.0 | 33.3 | 95.0 | 80.0 | 75.3 |
| RAD-FR33R | 95.0 | 78.3 | 33.3 | 88.3 | 80.0 | 75.0 |
| LSD VALUE | 7.5 | 18.4 | 37.5 | 5.7 | 6.1 | 8.7 |
| C.V. (%) | 5.0 | 14.1 | 42.2 | 3.9 | 4.7 | 15.0 |

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 18D. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| QUATRO | 89.3 | 70.0 | 33.7 | 95.0 | 83.3 | 74.3 |
| GLADIATOR (TH456) | 86.7 | 81.7 | 12.0 | 93.3 | 86.7 | 72.1 |
| DLFPS-FL/3060 | 93.3 | 76.7 | 18.3 | 85.0 | 83.3 | 71.3 |
| MINIMUS | 78.3 | 78.3 | 31.0 | 85.0 | 83.3 | 71.2 |
| RESOLUTE (7H7) | 88.3 | 71.7 | 3.7 | 95.0 | 83.3 | 68.4 |
| DLFPS-FL/3066 | 91.7 | 56.7 | 3.7 | 93.3 | 83.3 | 65.7 |
| PST-4BND | 84.3 | 66.7 | 1.3 | 95.0 | 80.0 | 65.5 |
| BEUDIN | 94.0 | 43.3 | 12.3 | 86.7 | 90.0 | 65.3 |
| BEACON | 93.7 | 46.7 | 8.7 | 93.3 | 80.0 | 64.5 |
| SWORD | 87.7 | 60.0 | 2.7 | 81.7 | 83.3 | 63.1 |
| JETTY (PPG-FL 106) | 83.3 | 51.7 | 1.3 | 95.0 | 83.3 | 62.9 |
| MNHD-14 | 89.7 | 53.3 | 1.7 | 91.7 | 76.7 | 62.6 |
| LSD VALUE | 11.7 | 28.4 | 29.2 | 4.0 | 9.3 | 8.7 |
| C.V. (%) | 8.2 | 28.0 | 167.3 | 2.8 | 7.0 | 18.0 |

TABLE 18E. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 94.3 | 75.0 | 63.3 | 85.0 | 80.0 | 79.5 |
| SEABREEZE GT | 89.3 | 66.7 | 17.3 | 88.3 | 83.3 | 69.0 |
| BAR FRT 5002 | 99.0 | 33.3 | 2.0 | 81.7 | 80.0 | 59.2 |
| LSD VALUE | 10.2 | 16.5 | 26.5 | 6.0 | 5.4 | 6.8 |
| C.V. (%) | 6.8 | 17.6 | 59.7 | 4.4 | 4.1 | 13.6 |

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 19A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| RADAR | 98.0 | 88.3 | 98.3 | 95.0 | 94.0 | 94.7 |
| PPG-FRC 114 | 98.7 | 93.3 | 92.7 | 90.0 | 94.0 | 93.7 |
| COMPASS II (PPG-FRC 113) | 96.0 | 90.0 | 94.0 | 90.0 | 96.7 | 93.3 |
| C14-OS3 | 95.7 | 86.7 | 96.3 | 90.0 | 95.3 | 92.8 |
| CARDINAL II (PPG-FRR 111) | 84.3 | 94.7 | 93.0 | 95.0 | 96.7 | 92.7 |
| DLF-FRC 3338 | 96.0 | 86.7 | 88.0 | 91.7 | 96.7 | 91.8 |
| CASCADE | 88.3 | 90.0 | 92.0 | 91.7 | 94.0 | 91.2 |
| DLF-FRR 6162 | 89.3 | 86.7 | 89.7 | 95.0 | 95.3 | 91.2 |
| 7C34 | 91.3 | 85.0 | 90.0 | 95.0 | 94.0 | 91.1 |
| SEAMIST (PPG-FRT 101) | 92.7 | 81.7 | 93.3 | 91.7 | 95.3 | 90.9 |
| KENT | 85.0 | 89.0 | 80.0 | 95.0 | 95.3 | 88.9 |
| DLFPS-FRR/3068 | 86.7 | 88.3 | 80.0 | 93.3 | 95.3 | 88.7 |
| DLFPS-FRC/3057 | 96.7 | 86.7 | 75.0 | 90.0 | 94.0 | 88.5 |
| PST-4BEN | 85.3 | 93.0 | 73.0 | 95.0 | 95.3 | 88.3 |
| DLFPS-FRC/3060 | 97.0 | 88.3 | 65.0 | 91.7 | 96.7 | 87.7 |
| NAVIGATOR II | 81.0 | 76.7 | 90.0 | 95.0 | 95.3 | 87.6 |
| DLFPS-FRR/3069 | 84.0 | 78.3 | 94.7 | 85.0 | 94.0 | 87.2 |
| PST-4RUE | 85.7 | 88.3 | 71.7 | 95.0 | 95.3 | 87.2 |
| BAR VV-VP3-CT | 95.7 | 83.3 | 65.0 | 95.0 | 95.3 | 86.9 |
| PST-4DR4 | 90.3 | 78.3 | 73.3 | 91.7 | 96.7 | 86.1 |
| BAR 6FR 126 | 90.0 | 88.3 | 55.0 | 93.3 | 96.7 | 84.7 |
| MARVEL | 85.7 | 85.0 | 66.7 | 91.7 | 94.0 | 84.6 |
| RAD-FR47 | 83.7 | 85.0 | 62.3 | 93.3 | 96.7 | 84.2 |
| RAD-FC44 | 91.0 | 81.7 | 60.0 | 90.0 | 96.7 | 83.9 |
| CASTLE (RAD-FC32) | 95.7 | 85.0 | 42.7 | 95.0 | 96.7 | 83.0 |
| RAD-FR33R | 88.7 | 81.7 | 55.0 | 93.3 | 94.0 | 82.5 |
| PST-4ED4 | 83.7 | 83.3 | 60.0 | 90.0 | 95.3 | 82.5 |
| BOREAL | 78.3 | 83.3 | 53.3 | 93.3 | 92.7 | 80.2 |
| QUATRO | 83.3 | 75.0 | 46.0 | 95.0 | 94.0 | 78.7 |
| SEABREEZE GT | 91.3 | 76.7 | 28.3 | 91.7 | 95.3 | 76.7 |
| BEUDIN | 95.0 | 63.3 | 31.7 | 95.0 | 95.3 | 76.1 |
| MINIMUS | 60.0 | 80.0 | 37.0 | 95.0 | 98.0 | 74.0 |
| GLADIATOR (TH456) | 72.7 | 83.3 | 20.3 | 95.0 | 96.7 | 73.6 |
| DLFPS-FL/3060 | 78.3 | 81.7 | 25.0 | 85.0 | 96.7 | 73.3 |
| DLFPS-FL/3066 | 80.0 | 70.0 | 8.7 | 95.0 | 96.7 | 70.1 |
| RESOLUTE (7H7) | 75.0 | 78.3 | 4.0 | 95.0 | 98.0 | 70.1 |
| MNHD-14 | 80.7 | 66.7 | 2.3 | 95.0 | 95.3 | 68.0 |
| BAR FRT 5002 | 93.3 | 51.7 | 5.7 | 95.0 | 94.0 | 67.9 |
| PST-4BND | 69.3 | 76.7 | 1.3 | 95.0 | 95.3 | 67.5 |
| SWORD | 74.0 | 73.3 | 3.7 | 90.0 | 96.7 | 67.5 |
| BEACON | 83.3 | 43.3 | 17.3 | 95.0 | 98.0 | 67.4 |
| JETTY (PPG-FL 106) | 71.7 | 66.7 | 1.3 | 95.0 | 96.7 | 66.3 |
| LSD VALUE | 12.7 | 14.1 | 37.4 | 2.8 | 3.7 | 8.4 |
| C.V. (%) | 9.1 | 10.9 | 41.0 | 1.9 | 2.4 | 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 19B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| RADAR | 98.0 | 88.3 | 98.3 | 95.0 | 94.0 | 94.7 |
| PPG-FRC 114 | 98.7 | 93.3 | 92.7 | 90.0 | 94.0 | 93.7 |
| COMPASS II (PPG-FRC 113) | 96.0 | 90.0 | 94.0 | 90.0 | 96.7 | 93.3 |
| DLF-FRC 3338 | 96.0 | 86.7 | 88.0 | 91.7 | 96.7 | 91.8 |
| CASCADE | 88.3 | 90.0 | 92.0 | 91.7 | 94.0 | 91.2 |
| DLFPS-FRC/3057 | 96.7 | 86.7 | 75.0 | 90.0 | 94.0 | 88.5 |
| DLFPS-FRC/3060 | 97.0 | 88.3 | 65.0 | 91.7 | 96.7 | 87.7 |
| BAR VV-VP3-CT | 95.7 | 83.3 | 65.0 | 95.0 | 95.3 | 86.9 |
| BAR 6FR 126 | 90.0 | 88.3 | 55.0 | 93.3 | 96.7 | 84.7 |
| RAD-FC44 | 91.0 | 81.7 | 60.0 | 90.0 | 96.7 | 83.9 |
| CASTLE (RAD-FC32) | 95.7 | 85.0 | 42.7 | 95.0 | 96.7 | 83.0 |
| LSD VALUE | 6.6 | 12.0 | 46.4 | 3.7 | 4.9 | 9.8 |
| C.V. (%) | 4.3 | 8.6 | 38.4 | 2.5 | 3.2 | 15.2 |

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 19C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| C14-OS3 | 95.7 | 86.7 | 96.3 | 90.0 | 95.3 | 92.8 |
| CARDINAL II (PPG-FRR 111) | 84.3 | 94.7 | 93.0 | 95.0 | 96.7 | 92.7 |
| DLF-FRR 6162 | 89.3 | 86.7 | 89.7 | 95.0 | 95.3 | 91.2 |
| 7C34 | 91.3 | 85.0 | 90.0 | 95.0 | 94.0 | 91.1 |
| KENT | 85.0 | 89.0 | 80.0 | 95.0 | 95.3 | 88.9 |
| DLFPS-FRR/3068 | 86.7 | 88.3 | 80.0 | 93.3 | 95.3 | 88.7 |
| PST-4BEN | 85.3 | 93.0 | 73.0 | 95.0 | 95.3 | 88.3 |
| NAVIGATOR II | 81.0 | 76.7 | 90.0 | 95.0 | 95.3 | 87.6 |
| DLFPS-FRR/3069 | 84.0 | 78.3 | 94.7 | 85.0 | 94.0 | 87.2 |
| PST-4RUE | 85.7 | 88.3 | 71.7 | 95.0 | 95.3 | 87.2 |
| PST-4DR4 | 90.3 | 78.3 | 73.3 | 91.7 | 96.7 | 86.1 |
| MARVEL | 85.7 | 85.0 | 66.7 | 91.7 | 94.0 | 84.6 |
| RAD-FR47 | 83.7 | 85.0 | 62.3 | 93.3 | 96.7 | 84.2 |
| RAD-FR33R | 88.7 | 81.7 | 55.0 | 93.3 | 94.0 | 82.5 |
| PST-4ED4 | 83.7 | 83.3 | 60.0 | 90.0 | 95.3 | 82.5 |
| BOREAL | 78.3 | 83.3 | 53.3 | 93.3 | 92.7 | 80.2 |
| LSD VALUE | 10.0 | 12.3 | 33.8 | 2.8 | 3.2 | 7.5 |
| C.V. (%) | 7.2 | 8.9 | 27.3 | 1.9 | 2.1 | 12.0 |

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

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

TABLE 19D. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| QUATRO | 83.3 | 75.0 | 46.0 | 95 | 94.0 | 78.7 |
| BEUDIN | 95.0 | 63.3 | 31.7 | 95 | 95.3 | 76.1 |
| MINIMUS | 60.0 | 80.0 | 37.0 | 95 | 98.0 | 74.0 |
| GLADIATOR (TH456) | 72.7 | 83.3 | 20.3 | 95 | 96.7 | 73.6 |
| DLFPS-FL/3060 | 78.3 | 81.7 | 25.0 | 85 | 96.7 | 73.3 |
| DLFPS-FL/3066 | 80.0 | 70.0 | 8.7 | 95 | 96.7 | 70.1 |
| RESOLUTE (7H7) | 75.0 | 78.3 | 4.0 | 95 | 98.0 | 70.1 |
| MNHD-14 | 80.7 | 66.7 | 2.3 | 95 | 95.3 | 68.0 |
| PST-4BND | 69.3 | 76.7 | 1.3 | 95 | 95.3 | 67.5 |
| SWORD | 74.0 | 73.3 | 3.7 | 90 | 96.7 | 67.5 |
| BEACON | 83.3 | 43.3 | 17.3 | 95 | 98.0 | 67.4 |
| JETTY (PPG-FL 106) | 71.7 | 66.7 | 1.3 | 95 | 96.7 | 66.3 |
| LSD VALUE | 19.4 | 17.7 | 34.7 | 0 | 3.0 | 8.7 |
| C.V. (%) | 15.7 | 15.4 | 130.3 | 0 | 2.0 | 17.1 |

TABLE 19E. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME | CT1 | MO1 | NC1 | ND1 | OR1 | MEAN |
|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 92.7 | 81.7 | 93.3 | 91.7 | 95.3 | 90.9 |
| SEABREEZE GT | 91.3 | 76.7 | 28.3 | 91.7 | 95.3 | 76.7 |
| BAR FRT 5002 | 93.3 | 51.7 | 5.7 | 95.0 | 94.0 | 67.9 |
| LSD VALUE | 6.7 | 14.7 | 27.6 | 3.8 | 3.0 | 6.5 |
| C.V. (%) | 4.5 | 13.0 | 40.4 | 2.5 | 2.0 | 11.4 |

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 20A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

| | PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | CT1 | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | ND1 | NJ2 | OR1 | WA1 | MEAN |
| C14-OS3 | 99.0 | 99.0 | 99.0 | 97.7 | 96.3 | 85.0 | 78.3 | 99.0 | 90.0 | 91.3 | 96.3 | 93.7 |
| RADAR | 97.7 | 99.0 | 94.7 | 97.7 | 93.0 | 93.3 | 78.3 | 95.0 | 85.0 | 92.7 | 95.3 | 92.9 |
| PPG-FRC 114 | 94.7 | 99.0 | 99.0 | 98.0 | 97.7 | 93.3 | 61.7 | 95.0 | 90.0 | 94.0 | 96.3 | 92.6 |
| COMPASS II (PPG-FRC 113) | 94.7 | 99.0 | 97.7 | 96.7 | 96.3 | 95.7 | 56.7 | 85.0 | 95.0 | 94.0 | 95.3 | 91.5 |
| DLF-FRC 3338 | 97.7 | 99.0 | 99.0 | 96.3 | 96.3 | 91.7 | 50.0 | 95.0 | 80.0 | 92.7 | 95.7 | 90.3 |
| DLFPS-FRC/3057 | 99.0 | 99.0 | 97.7 | 98.3 | 97.7 | 91.7 | 32.5 | 95.0 | 88.3 | 94.0 | 90.3 | 89.4 |
| SEAMIST (PPG-FRT 101) | 95.0 | 99.0 | 95.0 | 97.3 | 93.3 | 83.3 | 56.7 | 95.0 | 78.3 | 91.3 | 96.7 | 89.2 |
| CARDINAL II (PPG-FRR 111) | 76.7 | 99.0 | 96.3 | 81.0 | 88.3 | 94.7 | 66.7 | 95.0 | 93.3 | 94.0 | 93.0 | 88.9 |
| BAR VV-VP3-CT | 99.0 | 99.0 | 99.0 | 98.3 | 93.3 | 76.7 | 31.7 | 99.0 | 83.3 | 92.7 | 97.7 | 88.2 |
| CASCADE | 96.3 | 99.0 | 90.0 | 97.0 | 90.0 | 89.0 | 53.3 | 95.0 | 63.3 | 91.3 | 97.3 | 87.4 |
| DLF-FRR 6162 | 88.3 | 99.0 | 99.0 | 86.3 | 83.3 | 68.3 | 65.0 | 97.7 | 85.0 | 92.7 | 95.7 | 87.3 |
| DLFPS-FRC/3060 | 96.3 | 99.0 | 93.3 | 97.3 | 93.3 | 90.0 | 18.3 | 99.0 | 80.0 | 90.0 | 97.0 | 86.7 |
| CASTLE (RAD-FC32) | 96.3 | 99.0 | 93.3 | 94.7 | 86.7 | 88.3 | 27.0 | 95.0 | 86.7 | 94.0 | 91.3 | 86.6 |
| RAD-FC44 | 97.7 | 99.0 | 93.3 | 93.3 | 91.7 | 81.7 | 35.0 | 95.0 | 75.0 | 92.7 | 93.3 | 86.2 |
| MARVEL | 86.7 | 99.0 | 71.7 | 76.0 | 80.0 | 80.0 | 65.0 | 99.0 | 90.0 | 90.0 | 95.3 | 84.8 |
| 7C34 | 88.3 | 99.0 | 86.7 | 87.7 | 85.0 | 80.0 | 30.0 | 99.0 | 85.0 | 94.0 | 92.7 | 84.3 |
| BAR 6FR 126 | 94.3 | 99.0 | 91.7 | 97.7 | 93.3 | 85.0 | 10.0 | 99.0 | 63.3 | 94.0 | 98.7 | 84.2 |
| PST-4BEN | 86.7 | 99.0 | 97.7 | 77.3 | 80.0 | 83.0 | 53.3 | 95.0 | 66.7 | 94.0 | 93.0 | 84.2 |
| PST-4DR4 | 85.0 | 99.0 | 91.3 | 76.0 | 83.3 | 81.7 | 32.5 | 97.7 | 70.0 | 92.7 | 93.0 | 82.0 |
| PST-4RUE | 68.3 | 99.0 | 96.3 | 71.7 | 81.7 | 90.0 | 46.7 | 97.7 | 65.0 | 92.7 | 90.7 | 81.8 |
| DLFPS-FL/3066 | 75.0 | 99.0 | 96.3 | 98.7 | 99.0 | 43.3 | 2.3 | 99.0 | 95.0 | 94.0 | 97.0 | 81.7 |
| KENT | 78.3 | 99.0 | 73.3 | 84.0 | 85.0 | 70.0 | 40.0 | 99.0 | 85.0 | 90.0 | 95.0 | 81.7 |
| MINIMUS | 51.7 | 99.0 | 93.3 | 92.7 | 97.7 | 50.0 | 32.5 | 96.3 | 90.0 | 95.3 | 98.3 | 81.5 |
| GLADIATOR (TH456) | 71.7 | 99.0 | 99.0 | 98.7 | 99.0 | 30.0 | 8.3 | 99.0 | 96.3 | 98.0 | 97.0 | 81.5 |
| DLFPS-FRR/3068 | 73.3 | 99.0 | 85.0 | 81.0 | 83.3 | 65.0 | 35.0 | 95.0 | 91.7 | 91.3 | 92.3 | 81.1 |
| DLFPS-FL/3060 | 81.7 | 99.0 | 99.0 | 98.3 | 97.7 | 30.0 | 6.0 | 95.0 | 93.3 | 94.0 | 97.7 | 81.1 |
| DLFPS-FRR/3069 | 80.0 | 99.0 | 68.3 | 83.0 | 83.3 | 66.7 | 46.7 | 95.0 | 88.3 | 88.0 | 92.0 | 80.9 |
| RESOLUTE (7H7) | 74.7 | 99.0 | 97.7 | 99.0 | 99.0 | 33.3 | 2.3 | 99.0 | 93.3 | 95.3 | 97.0 | 80.9 |
| MNHD-14 | 68.0 | 99.0 | 97.7 | 98.7 | 99.0 | 40.0 | 0.5 | 99.0 | 96.3 | 92.7 | 97.7 | 80.8 |
| QUATRO | 87.7 | 99.0 | 97.7 | 96.3 | 97.7 | 26.7 | 4.7 | 99.0 | 83.3 | 91.3 | 98.7 | 80.2 |
| NAVIGATOR II | 83.3 | 99.0 | 56.7 | 83.7 | 88.3 | 78.3 | 41.7 | 96.3 | 73.3 | 88.0 | 92.0 | 80.1 |
| RAD-FR33R | 71.7 | 99.0 | 78.3 | 83.3 | 81.7 | 78.3 | 21.7 | 99.0 | 80.0 | 91.3 | 94.0 | 79.8 |
| SWORD | 68.3 | 99.0 | 97.7 | 97.7 | 97.7 | 35.0 | 1.7 | 95.0 | 90.0 | 94.0 | 97.7 | 79.4 |
| SEABREEZE GT | 80.0 | 99.0 | 71.7 | 94.7 | 86.7 | 71.7 | 1.7 | 95.0 | 81.7 | 91.3 | 95.0 | 78.9 |
| BEACON | 71.7 | 99.0 | 96.3 | 97.0 | 97.7 | 15.0 | 5.0 | 96.3 | 95.0 | 95.3 | 98.3 | 78.8 |
| JETTY (PPG-FL 106) | 61.7 | 99.0 | 96.0 | 95.7 | 99.0 | 30.0 | 2.0 | 99.0 | 91.7 | 94.0 | 97.0 | 78.6 |
| PST-4BND | 50.0 | 99.0 | 95.0 | 96.3 | 97.7 | 43.3 | 1.0 | 95.0 | 93.3 | 92.7 | 97.7 | 78.3 |
| PST-4ED4 | 76.7 | 99.0 | 95.0 | 82.0 | 80.0 | 66.7 | 15.0 | 95.0 | 66.7 | 92.7 | 92.3 | 78.3 |
| BAR FRT 5002 | 76.7 | 97.7 | 81.7 | 96.0 | 86.7 | 46.7 | 0.5 | 99.0 | 71.7 | 95.3 | 92.3 | 76.7 |
| RAD-FR47 | 75.0 | 99.0 | 76.7 | 80.3 | 83.3 | 56.7 | 18.5 | 99.0 | 68.3 | 92.7 | 92.3 | 76.5 |
| BOREAL | 85.0 | 99.0 | 42.7 | 79.7 | 76.7 | 73.3 | 11.5 | 99.0 | 90.0 | 90.0 | 93.7 | 76.4 |
| BEUDIN | 70.0 | 96.3 | 61.7 | 88.0 | 83.3 | 58.3 | 3.3 | 97.7 | 51.7 | 94.0 | 94.3 | 72.6 |
| LSD VALUE | 23.3 | 0.8 | 15.3 | 8.0 | 5.9 | 29.4 | 28.4 | 1.5 | 5.6 | 4.3 | 3.2 | 4.5 |
| C.V. (%) | 17.6 | 0.5 | 10.7 | 5.5 | 4.1 | 27.1 | 54.1 | 1.0 | 4.2 | 2.9 | 2.1 | 11.0 |

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 20B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME | CT1 | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | ND1 | NJ2 | OR1 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RADAR | 97.7 | 99 | 94.7 | 97.7 | 93.0 | 93.3 | 78.3 | 95 | 85.0 | 92.7 | 95.3 | 92.9 |
| PPG-FRC 114 | 94.7 | 99 | 99.0 | 98.0 | 97.7 | 93.3 | 61.7 | 95 | 90.0 | 94.0 | 96.3 | 92.6 |
| COMPASS II (PPG-FRC 113) | 94.7 | 99 | 97.7 | 96.7 | 96.3 | 95.7 | 56.7 | 85 | 95.0 | 94.0 | 95.3 | 91.5 |
| DLF-FRC 3338 | 97.7 | 99 | 99.0 | 96.3 | 96.3 | 91.7 | 50.0 | 95 | 80.0 | 92.7 | 95.7 | 90.3 |
| DLFPS-FRC/3057 | 99.0 | 99 | 97.7 | 98.3 | 97.7 | 91.7 | 32.5 | 95 | 88.3 | 94.0 | 90.3 | 89.4 |
| BAR VV-VP3-CT | 99.0 | 99 | 99.0 | 98.3 | 93.3 | 76.7 | 31.7 | 99 | 83.3 | 92.7 | 97.7 | 88.2 |
| CASCADE | 96.3 | 99 | 90.0 | 97.0 | 90.0 | 89.0 | 53.3 | 95 | 63.3 | 91.3 | 97.3 | 87.4 |
| DLFPS-FRC/3060 | 96.3 | 99 | 93.3 | 97.3 | 93.3 | 90.0 | 18.3 | 99 | 80.0 | 90.0 | 97.0 | 86.7 |
| CASTLE (RAD-FC32) | 96.3 | 99 | 93.3 | 94.7 | 86.7 | 88.3 | 27.0 | 95 | 86.7 | 94.0 | 91.3 | 86.6 |
| RAD-FC44 | 97.7 | 99 | 93.3 | 93.3 | 91.7 | 81.7 | 35.0 | 95 | 75.0 | 92.7 | 93.3 | 86.2 |
| BAR 6FR 126 | 94.3 | 99 | 91.7 | 97.7 | 93.3 | 85.0 | 10.0 | 99 | 63.3 | 94.0 | 98.7 | 84.2 |
| LSD VALUE | 5.7 | 0 | 3.9 | 4.1 | 5.2 | 10.4 | 37.6 | 0 | 5.2 | 4.6 | 3.4 | 3.5 |
| C.V. (%) | 3.7 | 0 | 2.5 | 2.6 | 3.5 | 7.3 | 54.2 | 0 | 4.0 | 3.1 | 2.2 | 8.0 |

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

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

TABLE 20C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

| | PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAME | CT1 | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | ND1 | NJ2 | OR1 | WA1 | MEAN |
| C14-OS3 | 99.0 | 99 | 99.0 | 97.7 | 96.3 | 85.0 | 78.3 | 99.0 | 90.0 | 91.3 | 96.3 | 93.7 |
| CARDINAL II (PPG-FRR 111) | 76.7 | 99 | 96.3 | 81.0 | 88.3 | 94.7 | 66.7 | 95.0 | 93.3 | 94.0 | 93.0 | 88.9 |
| DLF-FRR 6162 | 88.3 | 99 | 99.0 | 86.3 | 83.3 | 68.3 | 65.0 | 97.7 | 85.0 | 92.7 | 95.7 | 87.3 |
| MARVEL | 86.7 | 99 | 71.7 | 76.0 | 80.0 | 80.0 | 65.0 | 99.0 | 90.0 | 90.0 | 95.3 | 84.8 |
| 7C34 | 88.3 | 99 | 86.7 | 87.7 | 85.0 | 80.0 | 30.0 | 99.0 | 85.0 | 94.0 | 92.7 | 84.3 |
| PST-4BEN | 86.7 | 99 | 97.7 | 77.3 | 80.0 | 83.0 | 53.3 | 95.0 | 66.7 | 94.0 | 93.0 | 84.2 |
| PST-4DR4 | 85.0 | 99 | 91.3 | 76.0 | 83.3 | 81.7 | 32.5 | 97.7 | 70.0 | 92.7 | 93.0 | 82.0 |
| PST-4RUE | 68.3 | 99 | 96.3 | 71.7 | 81.7 | 90.0 | 46.7 | 97.7 | 65.0 | 92.7 | 90.7 | 81.8 |
| KENT | 78.3 | 99 | 73.3 | 84.0 | 85.0 | 70.0 | 40.0 | 99.0 | 85.0 | 90.0 | 95.0 | 81.7 |
| DLFPS-FRR/3068 | 73.3 | 99 | 85.0 | 81.0 | 83.3 | 65.0 | 35.0 | 95.0 | 91.7 | 91.3 | 92.3 | 81.1 |
| DLFPS-FRR/3069 | 80.0 | 99 | 68.3 | 83.0 | 83.3 | 66.7 | 46.7 | 95.0 | 88.3 | 88.0 | 92.0 | 80.9 |
| NAVIGATOR II | 83.3 | 99 | 56.7 | 83.7 | 88.3 | 78.3 | 41.7 | 96.3 | 73.3 | 88.0 | 92.0 | 80.1 |
| RAD-FR33R | 71.7 | 99 | 78.3 | 83.3 | 81.7 | 78.3 | 21.7 | 99.0 | 80.0 | 91.3 | 94.0 | 79.8 |
| PST-4ED4 | 76.7 | 99 | 95.0 | 82.0 | 80.0 | 66.7 | 15.0 | 95.0 | 66.7 | 92.7 | 92.3 | 78.3 |
| RAD-FR47 | 75.0 | 99 | 76.7 | 80.3 | 83.3 | 56.7 | 18.5 | 99.0 | 68.3 | 92.7 | 92.3 | 76.5 |
| BOREAL | 85.0 | 99 | 42.7 | 79.7 | 76.7 | 73.3 | 11.5 | 99.0 | 90.0 | 90.0 | 93.7 | 76.4 |
| LSD VALUE | 11.5 | 0 | 22.5 | 11.6 | 7.4 | 29.9 | 29.1 | 1.9 | 5.4 | 5.1 | 3.5 | 4.4 |
| C.V. (%) | 8.8 | 0 | 17.0 | 8.8 | 5.5 | 24.4 | 37.0 | 1.2 | 4.2 | 3.5 | 2.3 | 10.9 |

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 20D. PERCENT LIVING GROUND COVER (FALL) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME | CT1 | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | ND1 | NJ2 | OR1 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DLFPS-FL/3066 | 75.0 | 99.0 | 96.3 | 98.7 | 99.0 | 43.3 | 2.3 | 99.0 | 95.0 | 94.0 | 97.0 | 81.7 |
| MINIMUS | 51.7 | 99.0 | 93.3 | 92.7 | 97.7 | 50.0 | 32.5 | 96.3 | 90.0 | 95.3 | 98.3 | 81.5 |
| GLADIATOR (TH456) | 71.7 | 99.0 | 99.0 | 98.7 | 99.0 | 30.0 | 8.3 | 99.0 | 96.3 | 98.0 | 97.0 | 81.5 |
| DLFPS-FL/3060 | 81.7 | 99.0 | 99.0 | 98.3 | 97.7 | 30.0 | 6.0 | 95.0 | 93.3 | 94.0 | 97.7 | 81.1 |
| RESOLUTE (7H7) | 74.7 | 99.0 | 97.7 | 99.0 | 99.0 | 33.3 | 2.3 | 99.0 | 93.3 | 95.3 | 97.0 | 80.9 |
| MNHD-14 | 68.0 | 99.0 | 97.7 | 98.7 | 99.0 | 40.0 | 0.5 | 99.0 | 96.3 | 92.7 | 97.7 | 80.8 |
| QUATRO | 87.7 | 99.0 | 97.7 | 96.3 | 97.7 | 26.7 | 4.7 | 99.0 | 83.3 | 91.3 | 98.7 | 80.2 |
| SWORD | 68.3 | 99.0 | 97.7 | 97.7 | 97.7 | 35.0 | 1.7 | 95.0 | 90.0 | 94.0 | 97.7 | 79.4 |
| BEACON | 71.7 | 99.0 | 96.3 | 97.0 | 97.7 | 15.0 | 5.0 | 96.3 | 95.0 | 95.3 | 98.3 | 78.8 |
| JETTY (PPG-FL 106) | 61.7 | 99.0 | 96.0 | 95.7 | 99.0 | 30.0 | 2.0 | 99.0 | 91.7 | 94.0 | 97.0 | 78.6 |
| PST-4BND | 50.0 | 99.0 | 95.0 | 96.3 | 97.7 | 43.3 | 1.0 | 95.0 | 93.3 | 92.7 | 97.7 | 78.3 |
| BEUDIN | 70.0 | 96.3 | 61.7 | 88.0 | 83.3 | 58.3 | 3.3 | 97.7 | 51.7 | 94.0 | 94.3 | 72.6 |
| LSD VALUE | 40.1 | 1.1 | 10.1 | 4.7 | 3.8 | 39.7 | 17.6 | 1.9 | 4.3 | 2.6 | 2.4 | 5.5 |
| C.V. (%) | 36.0 | 0.7 | 6.7 | 3.0 | 2.4 | 68.0 | 180.8 | 1.2 | 3.0 | 1.7 | 1.5 | 14.2 |

TABLE 20E. PERCENT LIVING GROUND COVER (FALL) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME | CT1 | MI1 | MI2 | MN1 | MN2 | MO1 | NC1 | ND1 | NJ2 | OR1 | WA1 | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 95.0 | 99.0 | 95.0 | 97.3 | 93.3 | 83.3 | 56.7 | 95 | 78.3 | 91.3 | 96.7 | 89.2 |
| SEABREEZE GT | 80.0 | 99.0 | 71.7 | 94.7 | 86.7 | 71.7 | 1.7 | 95 | 81.7 | 91.3 | 95.0 | 78.9 |
| BAR FRT 5002 | 76.7 | 97.7 | 81.7 | 96.0 | 86.7 | 46.7 | 0.5 | 99 | 71.7 | 95.3 | 92.3 | 76.7 |
| LSD VALUE | 18.8 | 2.1 | 10.0 | 4.7 | 6.6 | 25.4 | 13.1 | 0 | 10.4 | 3.7 | 3.9 | 3.5 |
| C.V. (%) | 13.9 | 1.4 | 7.5 | 3.0 | 4.6 | 23.5 | 38.4 | 0 | 8.4 | 2.5 | 2.6 | 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 21A. WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MD1 | NC1 | MEAN |
|---|---|---|---|
| GLADIATOR (TH456) | 5.3 | 4.7 | 5.0 |
| CARDINAL II (PPG-FRR 111) | 2.7 | 6.7 | 4.7 |
| COMPASS II (PPG-FRC 113) | 2.3 | 7.0 | 4.7 |
| DLF-FRR 6162 | 2.7 | 6.7 | 4.7 |
| DLFPS-FRR/3069 | 2.3 | 7.0 | 4.7 |
| 7C34 | 2.3 | 6.7 | 4.5 |
| BAR VV-VP3-CT | 2.7 | 6.3 | 4.5 |
| C14-OS3 | 2.0 | 7.0 | 4.5 |
| DLF-FRC 3338 | 2.3 | 6.7 | 4.5 |
| DLFPS-FRR/3068 | 2.3 | 6.7 | 4.5 |
| MARVEL | 2.3 | 6.7 | 4.5 |
| NAVIGATOR II | 2.7 | 6.3 | 4.5 |
| PST-4ED4 | 2.3 | 6.7 | 4.5 |
| PPG-FRC 114 | 2.0 | 6.7 | 4.3 |
| PST-4RUE | 2.0 | 6.7 | 4.3 |
| QUATRO | 4.0 | 4.7 | 4.3 |
| RADAR | 2.0 | 6.7 | 4.3 |
| SEAMIST (PPG-FRT 101) | 2.0 | 6.7 | 4.3 |
| MINIMUS | 6.0 | 2.7 | 4.3 |
| PST-4BEN | 2.3 | 6.3 | 4.3 |
| DLFPS-FL/3060 | 5.7 | 2.7 | 4.2 |
| DLFPS-FRC/3057 | 1.7 | 6.7 | 4.2 |
| KENT | 2.0 | 6.3 | 4.2 |
| PST-4DR4 | 2.0 | 6.3 | 4.2 |
| BAR 6FR 126 | 2.0 | 6.0 | 4.0 |
| CASCADE | 1.3 | 6.7 | 4.0 |
| RAD-FR33R | 2.7 | 5.0 | 3.8 |
| RAD-FR47 | 2.7 | 5.0 | 3.8 |
| BOREAL | 2.7 | 4.7 | 3.7 |
| RAD-FC44 | 2.3 | 5.0 | 3.7 |
| DLFPS-FL/3066 | 6.0 | 1.0 | 3.5 |
| JETTY (PPG-FL 106) | 6.0 | 1.0 | 3.5 |
| MNHD-14 | 6.0 | 1.0 | 3.5 |
| RESOLUTE (7H7) | 5.7 | 1.0 | 3.3 |
| DLFPS-FRC/3060 | 2.0 | 4.3 | 3.2 |
| PST-4BND | 5.3 | 1.0 | 3.2 |
| SWORD | 5.3 | 1.0 | 3.2 |
| BEACON | 5.0 | 1.0 | 3.0 |
| SEABREEZE GT | 3.0 | 2.7 | 2.8 |
| BEUDIN | 4.0 | 1.0 | 2.5 |
| CASTLE (RAD-FC32) | 2.3 | 2.7 | 2.5 |
| BAR FRT 5002 | 3.3 | 1.0 | 2.2 |
| LSD VALUE | 0.8 | 2.7 | 1.4 |
| C.V. (%) | 14.8 | 35.1 | 30.9 |

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 21B. WINTER COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MD1 | NC1 | MEAN |
|---|---|---|---|
| COMPASS II (PPG-FRC 113) | 2.3 | 7.0 | 4.7 |
| BAR VV-VP3-CT | 2.7 | 6.3 | 4.5 |
| DLF-FRC 3338 | 2.3 | 6.7 | 4.5 |
| PPG-FRC 114 | 2.0 | 6.7 | 4.3 |
| RADAR | 2.0 | 6.7 | 4.3 |
| DLFPS-FRC/3057 | 1.7 | 6.7 | 4.2 |
| BAR 6FR 126 | 2.0 | 6.0 | 4.0 |
| CASCADE | 1.3 | 6.7 | 4.0 |
| RAD-FC44 | 2.3 | 5.0 | 3.7 |
| DLFPS-FRC/3060 | 2.0 | 4.3 | 3.2 |
| CASTLE (RAD-FC32) | 2.3 | 2.7 | 2.5 |
| LSD VALUE | 0.7 | 2.7 | 1.4 |
| C.V. (%) | 22.0 | 28.9 | 31.2 |

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 21C. WINTER COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MD1 | NC1 | MEAN |
|---|---|---|---|
| CARDINAL II (PPG-FRR 111) | 2.7 | 6.7 | 4.7 |
| DLF-FRR 6162 | 2.7 | 6.7 | 4.7 |
| DLFPS-FRR/3069 | 2.3 | 7.0 | 4.7 |
| 7C34 | 2.3 | 6.7 | 4.5 |
| C14-OS3 | 2.0 | 7.0 | 4.5 |
| DLFPS-FRR/3068 | 2.3 | 6.7 | 4.5 |
| MARVEL | 2.3 | 6.7 | 4.5 |
| NAVIGATOR II | 2.7 | 6.3 | 4.5 |
| PST-4ED4 | 2.3 | 6.7 | 4.5 |
| PST-4RUE | 2.0 | 6.7 | 4.3 |
| PST-4BEN | 2.3 | 6.3 | 4.3 |
| KENT | 2.0 | 6.3 | 4.2 |
| PST-4DR4 | 2.0 | 6.3 | 4.2 |
| RAD-FR33R | 2.7 | 5.0 | 3.8 |
| RAD-FR47 | 2.7 | 5.0 | 3.8 |
| BOREAL | 2.7 | 4.7 | 3.7 |
| LSD VALUE | 0.8 | 2.5 | 1.3 |
| C.V. (%) | 21.1 | 24.5 | 26.4 |

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 21D. WINTER COLOR RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MD1 | NC1 | MEAN |
|---|---|---|---|
| GLADIATOR (TH456) | 5.3 | 4.7 | 5.0 |
| QUATRO | 4.0 | 4.7 | 4.3 |
| MINIMUS | 6.0 | 2.7 | 4.3 |
| DLFPS-FL/3060 | 5.7 | 2.7 | 4.2 |
| DLFPS-FL/3066 | 6.0 | 1.0 | 3.5 |
| JETTY (PPG-FL 106) | 6.0 | 1.0 | 3.5 |
| MNHD-14 | 6.0 | 1.0 | 3.5 |
| RESOLUTE (7H7) | 5.7 | 1.0 | 3.3 |
| PST-4BND | 5.3 | 1.0 | 3.2 |
| SWORD | 5.3 | 1.0 | 3.2 |
| BEACON | 5.0 | 1.0 | 3.0 |
| BEUDIN | 4.0 | 1.0 | 2.5 |
| LSD VALUE | 0.8 | 2.8 | 1.5 |
| C.V. (%) | 8.8 | 93.4 | 35.6 |

TABLE 21E. WINTER COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MD1 | NC1 | MEAN |
|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 2.0 | 6.7 | 4.3 |
| SEABREEZE GT | 3.0 | 2.7 | 2.8 |
| BAR FRT 5002 | 3.3 | 1.0 | 2.2 |
| LSD VALUE | 0.5 | 2.7 | 1.4 |
| C.V. (%) | 12.0 | 49.3 | 39.4 |

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 22A. DROUGHT TOLERANCE (DORMANCY) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MEAN |
|---|---|---|---|
| GLADIATOR (TH456) | 6.3 | 7.7 | 7.0 |
| BEACON | 7.3 | 6.3 | 6.8 |
| DLFPS-FL/3066 | 6.7 | 6.3 | 6.5 |
| RESOLUTE (7H7) | 7.7 | 5.3 | 6.5 |
| JETTY (PPG-FL 106) | 7.0 | 5.7 | 6.3 |
| DLFPS-FL/3060 | 7.3 | 5.0 | 6.2 |
| MNHD-14 | 6.0 | 6.0 | 6.0 |
| SWORD | 6.3 | 5.0 | 5.7 |
| BEUDIN | 5.7 | 5.3 | 5.5 |
| COMPASS II (PPG-FRC 113) | 4.0 | 6.7 | 5.3 |
| PST-4BEN | 5.7 | 5.0 | 5.3 |
| DLFPS-FRC/3057 | 6.3 | 4.3 | 5.3 |
| MINIMUS | 5.7 | 4.7 | 5.2 |
| RAD-FC44 | 4.7 | 5.7 | 5.2 |
| QUATRO | 5.0 | 5.3 | 5.2 |
| DLFPS-FRC/3060 | 4.7 | 5.3 | 5.0 |
| PST-4BND | 5.7 | 4.3 | 5.0 |
| SEABREEZE GT | 4.7 | 5.3 | 5.0 |
| DLF-FRC 3338 | 5.7 | 4.0 | 4.8 |
| DLFPS-FRR/3068 | 4.7 | 4.7 | 4.7 |
| C14-OS3 | 6.0 | 3.0 | 4.5 |
| PST-4ED4 | 3.7 | 5.3 | 4.5 |
| 7C34 | 4.0 | 4.7 | 4.3 |
| NAVIGATOR II | 3.3 | 5.3 | 4.3 |
| SEAMIST (PPG-FRT 101) | 4.3 | 4.3 | 4.3 |
| CARDINAL II (PPG-FRR 111) | 3.3 | 5.0 | 4.2 |
| PPG-FRC 114 | 4.7 | 3.7 | 4.2 |
| PST-4DR4 | 3.7 | 4.7 | 4.2 |
| BAR FRT 5002 | 5.0 | 2.7 | 3.8 |
| PST-4RUE | 3.3 | 4.3 | 3.8 |
| RADAR | 5.0 | 2.3 | 3.7 |
| CASTLE (RAD-FC32) | 3.7 | 3.7 | 3.7 |
| DLF-FRR 6162 | 3.7 | 3.7 | 3.7 |
| DLFPS-FRR/3069 | 3.3 | 3.7 | 3.5 |
| RAD-FR47 | 3.7 | 3.3 | 3.5 |
| BAR 6FR 126 | 4.7 | 2.0 | 3.3 |
| RAD-FR33R | 3.3 | 3.3 | 3.3 |
| BAR VV-VP3-CT | 3.0 | 3.7 | 3.3 |
| MARVEL | 2.3 | 4.3 | 3.3 |
| KENT | 2.3 | 4.0 | 3.2 |
| CASCADE | 2.7 | 3.7 | 3.2 |
| BOREAL | 3.0 | 3.0 | 3.0 |
| LSD VALUE | 1.6 | 2.8 | 1.6 |
| C.V. (%) | 21.3 | 38.1 | 30.5 |

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 22B. DROUGHT TOLERANCE (DORMANCY) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MEAN |
|---|---|---|---|
| COMPASS II (PPG-FRC 113) | 4.0 | 6.7 | 5.3 |
| DLFPS-FRC/3057 | 6.3 | 4.3 | 5.3 |
| RAD-FC44 | 4.7 | 5.7 | 5.2 |
| DLFPS-FRC/3060 | 4.7 | 5.3 | 5.0 |
| DLF-FRC 3338 | 5.7 | 4.0 | 4.8 |
| PPG-FRC 114 | 4.7 | 3.7 | 4.2 |
| RADAR | 5.0 | 2.3 | 3.7 |
| CASTLE (RAD-FC32) | 3.7 | 3.7 | 3.7 |
| BAR 6FR 126 | 4.7 | 2.0 | 3.3 |
| BAR VV-VP3-CT | 3.0 | 3.7 | 3.3 |
| CASCADE | 2.7 | 3.7 | 3.2 |
| LSD VALUE | 1.8 | 3.9 | 2.2 |
| C.V. (%) | 25.0 | 59.4 | 44.3 |

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 22C. DROUGHT TOLERANCE (DORMANCY) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MEAN |
|---|---|---|---|
| PST-4BEN | 5.7 | 5.0 | 5.3 |
| DLFPS-FRR/3068 | 4.7 | 4.7 | 4.7 |
| C14-OS3 | 6.0 | 3.0 | 4.5 |
| PST-4ED4 | 3.7 | 5.3 | 4.5 |
| 7C34 | 4.0 | 4.7 | 4.3 |
| NAVIGATOR II | 3.3 | 5.3 | 4.3 |
| CARDINAL II (PPG-FRR 111) | 3.3 | 5.0 | 4.2 |
| PST-4DR4 | 3.7 | 4.7 | 4.2 |
| PST-4RUE | 3.3 | 4.3 | 3.8 |
| DLF-FRR 6162 | 3.7 | 3.7 | 3.7 |
| DLFPS-FRR/3069 | 3.3 | 3.7 | 3.5 |
| RAD-FR47 | 3.7 | 3.3 | 3.5 |
| RAD-FR33R | 3.3 | 3.3 | 3.3 |
| MARVEL | 2.3 | 4.3 | 3.3 |
| KENT | 2.3 | 4.0 | 3.2 |
| BOREAL | 3.0 | 3.0 | 3.0 |
| LSD VALUE | 1.7 | 1.7 | 1.2 |
| C.V. (%) | 28.1 | 25.7 | 26.8 |

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 22D. DROUGHT TOLERANCE (DORMANCY) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MEAN |
|---|---|---|---|
| GLADIATOR (TH456) | 6.3 | 7.7 | 7.0 |
| BEACON | 7.3 | 6.3 | 6.8 |
| DLFPS-FL/3066 | 6.7 | 6.3 | 6.5 |
| RESOLUTE (7H7) | 7.7 | 5.3 | 6.5 |
| JETTY (PPG-FL 106) | 7.0 | 5.7 | 6.3 |
| DLFPS-FL/3060 | 7.3 | 5.0 | 6.2 |
| MNHD-14 | 6.0 | 6.0 | 6.0 |
| SWORD | 6.3 | 5.0 | 5.7 |
| BEUDIN | 5.7 | 5.3 | 5.5 |
| MINIMUS | 5.7 | 4.7 | 5.2 |
| QUATRO | 5.0 | 5.3 | 5.2 |
| PST-4BND | 5.7 | 4.3 | 5.0 |
| LSD VALUE | 1.5 | 2.5 | 1.5 |
| C.V. (%) | 14.3 | 28.3 | 21.6 |

TABLE 22E. DROUGHT TOLERANCE (DORMANCY) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | MI1 | MI2 | MEAN |
|---|---|---|---|
| SEABREEZE GT | 4.7 | 5.3 | 5.0 |
| SEAMIST (PPG-FRT 101) | 4.3 | 4.3 | 4.3 |
| BAR FRT 5002 | 5.0 | 2.7 | 3.8 |
| LSD VALUE | 1.2 | 3.3 | 1.8 |
| C.V. (%) | 16.0 | 50.6 | 35.6 |

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 23A. LEAF SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NJ1 | NJ2 | MEAN |
|---|---|---|---|
| RESOLUTE (7H7) | 9.0 | 6.0 | 7.5 |
| MINIMUS | 9.0 | 5.3 | 7.2 |
| DLFPS-FL/3060 | 8.7 | 5.3 | 7.0 |
| DLFPS-FL/3066 | 9.0 | 4.7 | 6.8 |
| JETTY (PPG-FL 106) | 9.0 | 4.7 | 6.8 |
| MNHD-14 | 9.0 | 4.7 | 6.8 |
| DLFPS-FRC/3057 | 8.7 | 4.7 | 6.7 |
| GLADIATOR (TH456) | 8.7 | 4.7 | 6.7 |
| CASTLE (RAD-FC32) | 8.3 | 4.3 | 6.3 |
| RADAR | 8.0 | 4.7 | 6.3 |
| BEACON | 8.7 | 4.0 | 6.3 |
| SWORD | 9.0 | 3.7 | 6.3 |
| DLF-FRC 3338 | 8.0 | 4.3 | 6.2 |
| SEAMIST (PPG-FRT 101) | 8.7 | 3.7 | 6.2 |
| PST-4BND | 9.0 | 3.0 | 6.0 |
| COMPASS II (PPG-FRC 113) | 8.3 | 3.3 | 5.8 |
| BAR 6FR 126 | 8.7 | 3.0 | 5.8 |
| C14-OS3 | 8.7 | 3.0 | 5.8 |
| PPG-FRC 114 | 8.0 | 3.7 | 5.8 |
| BAR VV-VP3-CT | 8.7 | 2.7 | 5.7 |
| RAD-FC44 | 8.3 | 2.7 | 5.5 |
| PST-4BEN | 7.7 | 3.0 | 5.3 |
| BEUDIN | 8.7 | 2.0 | 5.3 |
| DLFPS-FRR/3068 | 7.3 | 3.3 | 5.3 |
| PST-4ED4 | 8.0 | 2.7 | 5.3 |
| QUATRO | 9.0 | 1.7 | 5.3 |
| 7C34 | 8.0 | 2.3 | 5.2 |
| CARDINAL II (PPG-FRR 111) | 8.0 | 2.3 | 5.2 |
| RAD-FR47 | 7.0 | 3.0 | 5.0 |
| MARVEL | 6.7 | 3.0 | 4.8 |
| DLFPS-FRC/3060 | 7.3 | 2.3 | 4.8 |
| DLFPS-FRR/3069 | 7.0 | 2.7 | 4.8 |
| NAVIGATOR II | 7.0 | 2.7 | 4.8 |
| BAR FRT 5002 | 7.7 | 1.7 | 4.7 |
| CASCADE | 8.3 | 1.0 | 4.7 |
| DLF-FRR 6162 | 6.7 | 2.3 | 4.5 |
| PST-4DR4 | 7.3 | 1.7 | 4.5 |
| SEABREEZE GT | 7.7 | 1.3 | 4.5 |
| RAD-FR33R | 6.0 | 2.3 | 4.2 |
| PST-4RUE | 7.0 | 1.0 | 4.0 |
| BOREAL | 6.3 | 1.0 | 3.7 |
| KENT | 5.3 | 1.0 | 3.2 |
| LSD VALUE | 1.0 | 2.1 | 1.1 |
| C.V. (%) | 7.6 | 41.2 | 18.1 |

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 23B. LEAF SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NJ1 | NJ2 | MEAN |
|---|---|---|---|
| DLFPS-FRC/3057 | 8.7 | 4.7 | 6.7 |
| CASTLE (RAD-FC32) | 8.3 | 4.3 | 6.3 |
| RADAR | 8.0 | 4.7 | 6.3 |
| DLF-FRC 3338 | 8.0 | 4.3 | 6.2 |
| COMPASS II (PPG-FRC 113) | 8.3 | 3.3 | 5.8 |
| BAR 6FR 126 | 8.7 | 3.0 | 5.8 |
| PPG-FRC 114 | 8.0 | 3.7 | 5.8 |
| BAR VV-VP3-CT | 8.7 | 2.7 | 5.7 |
| RAD-FC44 | 8.3 | 2.7 | 5.5 |
| DLFPS-FRC/3060 | 7.3 | 2.3 | 4.8 |
| CASCADE | 8.3 | 1.0 | 4.7 |
| LSD VALUE | 0.9 | 2.4 | 1.3 |
| C.V. (%) | 7.0 | 45.2 | 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 23C. LEAF SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | NJ1 | NJ2 | MEAN |
|---|---|---|---|
| C14-OS3 | 8.7 | 3.0 | 5.8 |
| PST-4BEN | 7.7 | 3.0 | 5.3 |
| DLFPS-FRR/3068 | 7.3 | 3.3 | 5.3 |
| PST-4ED4 | 8.0 | 2.7 | 5.3 |
| 7C34 | 8.0 | 2.3 | 5.2 |
| CARDINAL II (PPG-FRR 111) | 8.0 | 2.3 | 5.2 |
| RAD-FR47 | 7.0 | 3.0 | 5.0 |
| MARVEL | 6.7 | 3.0 | 4.8 |
| DLFPS-FRR/3069 | 7.0 | 2.7 | 4.8 |
| NAVIGATOR II | 7.0 | 2.7 | 4.8 |
| DLF-FRR 6162 | 6.7 | 2.3 | 4.5 |
| PST-4DR4 | 7.3 | 1.7 | 4.5 |
| RAD-FR33R | 6.0 | 2.3 | 4.2 |
| PST-4RUE | 7.0 | 1.0 | 4.0 |
| BOREAL | 6.3 | 1.0 | 3.7 |
| KENT | 5.3 | 1.0 | 3.2 |
| LSD VALUE | 1.3 | 1.8 | 1.1 |
| C.V. (%) | 10.9 | 49.1 | 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 23D. LEAF SPOT RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

| NAME | LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/ NJ1 | NJ2 | MEAN |
|---|---|---|---|
| RESOLUTE (7H7) | 9.0 | 6.0 | 7.5 |
| MINIMUS | 9.0 | 5.3 | 7.2 |
| DLFPS-FL/3060 | 8.7 | 5.3 | 7.0 |
| DLFPS-FL/3066 | 9.0 | 4.7 | 6.8 |
| JETTY (PPG-FL 106) | 9.0 | 4.7 | 6.8 |
| MNHD-14 | 9.0 | 4.7 | 6.8 |
| GLADIATOR (TH456) | 8.7 | 4.7 | 6.7 |
| BEACON | 8.7 | 4.0 | 6.3 |
| SWORD | 9.0 | 3.7 | 6.3 |
| PST-4BND | 9.0 | 3.0 | 6.0 |
| BEUDIN | 8.7 | 2.0 | 5.3 |
| QUATRO | 9.0 | 1.7 | 5.3 |
| LSD VALUE | 0.5 | 2.0 | 1.0 |
| C.V. (%) | 3.8 | 29.3 | 13.7 |

TABLE 23E. LEAF SPOT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

| NAME | LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/ NJ1 | NJ2 | MEAN |
|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 8.7 | 3.7 | 6.2 |
| BAR FRT 5002 | 7.7 | 1.7 | 4.7 |
| SEABREEZE GT | 7.7 | 1.3 | 4.5 |
| LSD VALUE | 0.9 | 2.1 | 1.1 |
| C.V. (%) | 7.2 | 58.1 | 19.6 |

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 24A. DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IN1 | MI2 | MN1 | NJ1 | MEAN |
|---|---|---|---|---|---|---|
| C14-OS3 | 8.3 | 7.3 | 9.0 | 8.3 | 5.3 | 7.7 |
| JETTY (PPG-FL 106) | 8.7 | 6.7 | 8.0 | 8.3 | 6.3 | 7.6 |
| MNHD-14 | 7.7 | 8.0 | 7.3 | 8.0 | 6.7 | 7.5 |
| BAR VV-VP3-CT | 8.7 | 7.0 | 7.7 | 8.0 | 5.7 | 7.4 |
| GLADIATOR (TH456) | 7.3 | 7.5 | 8.0 | 8.0 | 6.0 | 7.4 |
| DLFPS-FL/3066 | 8.7 | 6.3 | 7.0 | 8.3 | 6.0 | 7.3 |
| PST-4BND | 8.5 | 5.7 | 7.0 | 8.0 | 6.7 | 7.2 |
| RESOLUTE (7H7) | 8.3 | 6.7 | 7.0 | 7.7 | 6.0 | 7.1 |
| QUATRO | 8.3 | 6.7 | 8.3 | 7.7 | 4.3 | 7.1 |
| DLFPS-FL/3060 | 8.7 | 6.7 | 6.7 | 7.7 | 5.3 | 7.0 |
| SWORD | 7.7 | 5.7 | 7.3 | 8.0 | 6.0 | 6.9 |
| CASCADE | 7.7 | 6.0 | 7.3 | 7.3 | 6.3 | 6.9 |
| BEACON | 7.7 | 6.0 | 6.0 | 8.0 | 6.7 | 6.9 |
| DLFPS-FRC/3057 | 8.0 | 6.0 | 8.0 | 7.7 | 4.0 | 6.7 |
| DLFPS-FRC/3060 | 7.7 | 6.7 | 6.0 | 6.3 | 7.0 | 6.7 |
| COMPASS II (PPG-FRC 113) | 8.7 | 5.3 | 8.7 | 6.7 | 4.3 | 6.7 |
| RAD-FC44 | 8.7 | 6.0 | 7.3 | 6.3 | 5.3 | 6.7 |
| DLF-FRC 3338 | 8.0 | 5.7 | 8.3 | 5.7 | 5.7 | 6.7 |
| MINIMUS | 8.0 | 6.0 | 5.3 | 7.3 | 6.7 | 6.7 |
| PPG-FRC 114 | 8.3 | 5.0 | 8.7 | 6.0 | 4.7 | 6.5 |
| BAR 6FR 126 | 8.0 | 6.0 | 7.3 | 7.7 | 3.3 | 6.5 |
| SEAMIST (PPG-FRT 101) | 8.3 | 7.3 | 5.3 | 6.0 | 4.7 | 6.3 |
| CARDINAL II (PPG-FRR 111) | 8.3 | 5.0 | 7.3 | 4.0 | 6.0 | 6.1 |
| RADAR | 7.3 | 6.3 | 7.0 | 6.0 | 3.7 | 6.1 |
| CASTLE (RAD-FC32) | 8.7 | 6.0 | 6.0 | 5.3 | 4.3 | 6.1 |
| PST-4BEN | 8.0 | 3.3 | 7.3 | 3.7 | 6.7 | 5.8 |
| BAR FRT 5002 | 8.0 | 6.0 | 5.0 | 5.7 | 3.3 | 5.6 |
| PST-4ED4 | 8.0 | 3.3 | 7.0 | 2.7 | 6.3 | 5.5 |
| DLF-FRR 6162 | 7.5 | 2.7 | 7.0 | 3.0 | 6.7 | 5.4 |
| PST-4DR4 | 8.3 | 4.0 | 6.0 | 2.3 | 6.0 | 5.3 |
| 7C34 | 8.3 | 4.7 | 3.3 | 4.0 | 6.0 | 5.3 |
| PST-4RUE | 8.0 | 3.0 | 7.0 | 2.7 | 5.0 | 5.1 |
| SEABREEZE GT | 7.7 | 5.5 | 4.0 | 4.7 | 3.7 | 5.1 |
| BEUDIN | 8.3 | 4.7 | 3.3 | 4.3 | 4.7 | 5.1 |
| BOREAL | 8.7 | 3.7 | 3.7 | 4.7 | 4.3 | 5.0 |
| DLFPS-FRR/3068 | 8.7 | 3.7 | 3.3 | 2.7 | 5.0 | 4.7 |
| DLFPS-FRR/3069 | 9.0 | 3.7 | 2.7 | 4.3 | 3.7 | 4.7 |
| KENT | 8.0 | 3.3 | 3.3 | 3.7 | 4.3 | 4.5 |
| RAD-FR47 | 8.0 | 4.0 | 3.3 | 3.7 | 3.7 | 4.5 |
| NAVIGATOR II | 8.3 | 4.3 | 2.3 | 3.7 | 3.7 | 4.5 |
| MARVEL | 8.7 | 2.7 | 2.7 | 3.0 | 5.0 | 4.4 |
| RAD-FR33R | 8.0 | 3.7 | 2.7 | 3.7 | 3.3 | 4.3 |
| LSD VALUE | 1.3 | 2.0 | 1.4 | 1.2 | 2.2 | 0.8 |
| C.V. (%) | 9.4 | 23.0 | 14.6 | 13.4 | 26.5 | 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 24B. DOLLAR SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IN1 | MI2 | MN1 | NJ1 | MEAN |
|---|---|---|---|---|---|---|
| BAR VV-VP3-CT | 8.7 | 7.0 | 7.7 | 8.0 | 5.7 | 7.4 |
| CASCADE | 7.7 | 6.0 | 7.3 | 7.3 | 6.3 | 6.9 |
| DLFPS-FRC/3057 | 8.0 | 6.0 | 8.0 | 7.7 | 4.0 | 6.7 |
| DLFPS-FRC/3060 | 7.7 | 6.7 | 6.0 | 6.3 | 7.0 | 6.7 |
| COMPASS II (PPG-FRC 113) | 8.7 | 5.3 | 8.7 | 6.7 | 4.3 | 6.7 |
| RAD-FC44 | 8.7 | 6.0 | 7.3 | 6.3 | 5.3 | 6.7 |
| DLF-FRC 3338 | 8.0 | 5.7 | 8.3 | 5.7 | 5.7 | 6.7 |
| PPG-FRC 114 | 8.3 | 5.0 | 8.7 | 6.0 | 4.7 | 6.5 |
| BAR 6FR 126 | 8.0 | 6.0 | 7.3 | 7.7 | 3.3 | 6.5 |
| RADAR | 7.3 | 6.3 | 7.0 | 6.0 | 3.7 | 6.1 |
| CASTLE (RAD-FC32) | 8.7 | 6.0 | 6.0 | 5.3 | 4.3 | 6.1 |
| LSD VALUE | 1.2 | 2.4 | 1.2 | 1.3 | 1.9 | 0.7 |
| C.V. (%) | 8.8 | 24.8 | 10.1 | 11.7 | 24.4 | 15.6 |

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 24C. DOLLAR SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IN1 | MI2 | MN1 | NJ1 | MEAN |
|---|---|---|---|---|---|---|
| C14-OS3 | 8.3 | 7.3 | 9.0 | 8.3 | 5.3 | 7.7 |
| CARDINAL II (PPG-FRR 111) | 8.3 | 5.0 | 7.3 | 4.0 | 6.0 | 6.1 |
| PST-4BEN | 8.0 | 3.3 | 7.3 | 3.7 | 6.7 | 5.8 |
| PST-4ED4 | 8.0 | 3.3 | 7.0 | 2.7 | 6.3 | 5.5 |
| DLF-FRR 6162 | 7.5 | 2.7 | 7.0 | 3.0 | 6.7 | 5.4 |
| PST-4DR4 | 8.3 | 4.0 | 6.0 | 2.3 | 6.0 | 5.3 |
| 7C34 | 8.3 | 4.7 | 3.3 | 4.0 | 6.0 | 5.3 |
| PST-4RUE | 8.0 | 3.0 | 7.0 | 2.7 | 5.0 | 5.1 |
| BOREAL | 8.7 | 3.7 | 3.7 | 4.7 | 4.3 | 5.0 |
| DLFPS-FRR/3068 | 8.7 | 3.7 | 3.3 | 2.7 | 5.0 | 4.7 |
| DLFPS-FRR/3069 | 9.0 | 3.7 | 2.7 | 4.3 | 3.7 | 4.7 |
| KENT | 8.0 | 3.3 | 3.3 | 3.7 | 4.3 | 4.5 |
| RAD-FR47 | 8.0 | 4.0 | 3.3 | 3.7 | 3.7 | 4.5 |
| NAVIGATOR II | 8.3 | 4.3 | 2.3 | 3.7 | 3.7 | 4.5 |
| MARVEL | 8.7 | 2.7 | 2.7 | 3.0 | 5.0 | 4.4 |
| RAD-FR33R | 8.0 | 3.7 | 2.7 | 3.7 | 3.3 | 4.3 |
| LSD VALUE | 0.9 | 2.2 | 1.6 | 1.3 | 1.8 | 0.7 |
| C.V. (%) | 6.3 | 33.9 | 20.3 | 22.1 | 22.3 | 19.3 |

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 24D. DOLLAR SPOT RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IN1 | MI2 | MN1 | NJ1 | MEAN |
|---|---|---|---|---|---|---|
| JETTY (PPG-FL 106) | 8.7 | 6.7 | 8.0 | 8.3 | 6.3 | 7.6 |
| MNHD-14 | 7.7 | 8.0 | 7.3 | 8.0 | 6.7 | 7.5 |
| GLADIATOR (TH456) | 7.3 | 7.5 | 8.0 | 8.0 | 6.0 | 7.4 |
| DLFPS-FL/3066 | 8.7 | 6.3 | 7.0 | 8.3 | 6.0 | 7.3 |
| PST-4BND | 8.5 | 5.7 | 7.0 | 8.0 | 6.7 | 7.2 |
| RESOLUTE (7H7) | 8.3 | 6.7 | 7.0 | 7.7 | 6.0 | 7.1 |
| QUATRO | 8.3 | 6.7 | 8.3 | 7.7 | 4.3 | 7.1 |
| DLFPS-FL/3060 | 8.7 | 6.7 | 6.7 | 7.7 | 5.3 | 7.0 |
| SWORD | 7.7 | 5.7 | 7.3 | 8.0 | 6.0 | 6.9 |
| BEACON | 7.7 | 6.0 | 6.0 | 8.0 | 6.7 | 6.9 |
| MINIMUS | 8.0 | 6.0 | 5.3 | 7.3 | 6.7 | 6.7 |
| BEUDIN | 8.3 | 4.7 | 3.3 | 4.3 | 4.7 | 5.1 |
| LSD VALUE | 1.7 | 1.3 | 1.2 | 1.1 | 2.9 | 0.8 |
| C.V. (%) | 12.8 | 12.4 | 11.3 | 8.8 | 30.2 | 15.7 |

TABLE 24E. DOLLAR SPOT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

| NAME | CT1 | IN1 | MI2 | MN1 | NJ1 | MEAN |
|---|---|---|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 8.3 | 7.3 | 5.3 | 6.0 | 4.7 | 6.3 |
| BAR FRT 5002 | 8.0 | 6.0 | 5.0 | 5.7 | 3.3 | 5.6 |
| SEABREEZE GT | 7.7 | 5.5 | 4.0 | 4.7 | 3.7 | 5.1 |
| LSD VALUE | 1.2 | 1.4 | 1.9 | 1.2 | 2.1 | 0.7 |
| C.V. (%) | 9.3 | 12.7 | 25.2 | 13.7 | 33.2 | 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 25A. RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

| NAME | CT1 | MD1 | MI1 | MI2 | MN2 | MEAN |
|---|---|---|---|---|---|---|
| GLADIATOR (TH456) | 9.0 | 9.0 | 8.0 | 8.3 | 8.3 | 8.5 |
| JETTY (PPG-FL 106) | 9.0 | 8.0 | 8.0 | 8.3 | 8.0 | 8.3 |
| BEACON | 9.0 | 8.0 | 8.0 | 7.7 | 8.7 | 8.3 |
| RESOLUTE (7H7) | 9.0 | 8.3 | 7.0 | 7.7 | 8.7 | 8.1 |
| DLFPS-FL/3060 | 9.0 | 7.3 | 7.3 | 8.0 | 8.7 | 8.1 |
| DLFPS-FL/3066 | 8.7 | 8.7 | 8.0 | 7.3 | 7.7 | 8.1 |
| MNHD-14 | 9.0 | 7.7 | 7.3 | 8.3 | 8.0 | 8.1 |
| PST-4BND | 9.0 | 8.7 | 7.7 | 8.0 | 7.0 | 8.1 |
| CARDINAL II (PPG-FRR 111) | 9.0 | 8.0 | 7.3 | 7.7 | 7.7 | 7.9 |
| MINIMUS | 9.0 | 7.7 | 7.3 | 8.0 | 7.3 | 7.9 |
| QUATRO | 9.0 | 7.7 | 6.3 | 8.3 | 8.0 | 7.9 |
| PST-4BEN | 9.0 | 8.0 | 7.0 | 8.0 | 6.7 | 7.7 |
| SWORD | 9.0 | 7.0 | 7.3 | 8.0 | 7.3 | 7.7 |
| PPG-FRC 114 | 9.0 | 8.0 | 7.0 | 6.0 | 8.0 | 7.6 |
| PST-4RUE | 9.0 | 8.0 | 6.3 | 8.3 | 6.3 | 7.6 |
| C14-OS3 | 9.0 | 7.0 | 7.3 | 6.0 | 8.3 | 7.5 |
| DLF-FRR 6162 | 9.0 | 7.0 | 6.3 | 8.3 | 7.0 | 7.5 |
| RADAR | 9.0 | 8.7 | 6.0 | 6.0 | 8.0 | 7.5 |
| BAR FRT 5002 | 9.0 | 8.3 | 6.0 | 7.0 | 7.0 | 7.5 |
| PST-4ED4 | 8.7 | 8.0 | 7.0 | 8.0 | 5.7 | 7.5 |
| COMPASS II (PPG-FRC 113) | 9.0 | 7.3 | 6.0 | 6.0 | 8.7 | 7.4 |
| DLF-FRC 3338 | 8.7 | 7.3 | 6.7 | 5.7 | 8.0 | 7.3 |
| DLFPS-FRR/3068 | 9.0 | 7.3 | 5.7 | 8.0 | 5.7 | 7.1 |
| CASTLE (RAD-FC32) | 9.0 | 7.3 | 6.7 | 5.3 | 6.7 | 7.0 |
| DLFPS-FRC/3057 | 9.0 | 6.7 | 6.3 | 5.7 | 7.3 | 7.0 |
| BAR 6FR 126 | 9.0 | 7.0 | 6.3 | 5.0 | 7.3 | 6.9 |
| DLFPS-FRR/3069 | 9.0 | 5.3 | 6.0 | 7.0 | 7.3 | 6.9 |
| CASCADE | 9.0 | 7.3 | 4.7 | 7.0 | 6.3 | 6.9 |
| RAD-FC44 | 9.0 | 6.0 | 6.0 | 6.0 | 7.3 | 6.9 |
| BEUDIN | 8.7 | 8.0 | 5.3 | 6.3 | 6.0 | 6.9 |
| BOREAL | 9.0 | 5.7 | 6.0 | 6.7 | 6.7 | 6.8 |
| 7C34 | 9.0 | 6.0 | 6.3 | 6.3 | 6.0 | 6.7 |
| BAR VV-VP3-CT | 9.0 | 7.3 | 5.0 | 5.3 | 6.7 | 6.7 |
| SEAMIST (PPG-FRT 101) | 9.0 | 6.7 | 5.3 | 5.3 | 7.0 | 6.7 |
| MARVEL | 9.0 | 6.3 | 6.0 | 6.0 | 5.7 | 6.6 |
| PST-4DR4 | 9.0 | 5.3 | 5.3 | 7.0 | 6.3 | 6.6 |
| DLFPS-FRC/3060 | 9.0 | 6.0 | 5.3 | 5.3 | 7.0 | 6.5 |
| RAD-FR33R | 8.7 | 6.3 | 4.3 | 7.3 | 6.0 | 6.5 |
| RAD-FR47 | 9.0 | 7.3 | 5.0 | 6.3 | 5.0 | 6.5 |
| SEABREEZE GT | 9.0 | 5.0 | 5.7 | 5.7 | 7.0 | 6.5 |
| KENT | 9.0 | 4.7 | 4.7 | 7.0 | 5.3 | 6.1 |
| NAVIGATOR II | 9.0 | 4.0 | 4.0 | 6.3 | 6.0 | 5.9 |
| LSD VALUE | 0.3 | 1.9 | 1.6 | 1.3 | 2.2 | 0.7 |
| C.V. (%) | 2.2 | 16.8 | 16.0 | 11.5 | 18.9 | 13.6 |

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 25B. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

| NAME | CT1 | MD1 | MI1 | MI2 | MN2 | MEAN |
|---|---|---|---|---|---|---|
| PPG-FRC 114 | 9.0 | 8.0 | 7.0 | 6.0 | 8.0 | 7.6 |
| RADAR | 9.0 | 8.7 | 6.0 | 6.0 | 8.0 | 7.5 |
| COMPASS II (PPG-FRC 113) | 9.0 | 7.3 | 6.0 | 6.0 | 8.7 | 7.4 |
| DLF-FRC 3338 | 8.7 | 7.3 | 6.7 | 5.7 | 8.0 | 7.3 |
| CASTLE (RAD-FC32) | 9.0 | 7.3 | 6.7 | 5.3 | 6.7 | 7.0 |
| DLFPS-FRC/3057 | 9.0 | 6.7 | 6.3 | 5.7 | 7.3 | 7.0 |
| BAR 6FR 126 | 9.0 | 7.0 | 6.3 | 5.0 | 7.3 | 6.9 |
| CASCADE | 9.0 | 7.3 | 4.7 | 7.0 | 6.3 | 6.9 |
| RAD-FC44 | 9.0 | 6.0 | 6.0 | 6.0 | 7.3 | 6.9 |
| BAR VV-VP3-CT | 9.0 | 7.3 | 5.0 | 5.3 | 6.7 | 6.7 |
| DLFPS-FRC/3060 | 9.0 | 6.0 | 5.3 | 5.3 | 7.0 | 6.5 |
| LSD VALUE | 0.3 | 2.1 | 1.7 | 1.3 | 2.1 | 0.7 |
| C.V. (%) | 1.9 | 18.0 | 18.1 | 13.5 | 17.5 | 14.4 |

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 25C. RED THREAD RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

| NAME | CT1 | MD1 | MI1 | MI2 | MN2 | MEAN |
|---|---|---|---|---|---|---|
| CARDINAL II (PPG-FRR 111) | 9.0 | 8.0 | 7.3 | 7.7 | 7.7 | 7.9 |
| PST-4BEN | 9.0 | 8.0 | 7.0 | 8.0 | 6.7 | 7.7 |
| PST-4RUE | 9.0 | 8.0 | 6.3 | 8.3 | 6.3 | 7.6 |
| C14-OS3 | 9.0 | 7.0 | 7.3 | 6.0 | 8.3 | 7.5 |
| DLF-FRR 6162 | 9.0 | 7.0 | 6.3 | 8.3 | 7.0 | 7.5 |
| PST-4ED4 | 8.7 | 8.0 | 7.0 | 8.0 | 5.7 | 7.5 |
| DLFPS-FRR/3068 | 9.0 | 7.3 | 5.7 | 8.0 | 5.7 | 7.1 |
| DLFPS-FRR/3069 | 9.0 | 5.3 | 6.0 | 7.0 | 7.3 | 6.9 |
| BOREAL | 9.0 | 5.7 | 6.0 | 6.7 | 6.7 | 6.8 |
| 7C34 | 9.0 | 6.0 | 6.3 | 6.3 | 6.0 | 6.7 |
| MARVEL | 9.0 | 6.3 | 6.0 | 6.0 | 5.7 | 6.6 |
| PST-4DR4 | 9.0 | 5.3 | 5.3 | 7.0 | 6.3 | 6.6 |
| RAD-FR33R | 8.7 | 6.3 | 4.3 | 7.3 | 6.0 | 6.5 |
| RAD-FR47 | 9.0 | 7.3 | 5.0 | 6.3 | 5.0 | 6.5 |
| KENT | 9.0 | 4.7 | 4.7 | 7.0 | 5.3 | 6.1 |
| NAVIGATOR II | 9.0 | 4.0 | 4.0 | 6.3 | 6.0 | 5.9 |
| LSD VALUE | 0.3 | 2.0 | 1.9 | 1.3 | 2.5 | 0.8 |
| C.V. (%) | 2.3 | 18.7 | 19.8 | 11.4 | 24.5 | 15.7 |

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 25D. RED THREAD RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

| NAME | CT1 | MD1 | MI1 | MI2 | MN2 | MEAN |
|---|---|---|---|---|---|---|
| GLADIATOR (TH456) | 9.0 | 9.0 | 8.0 | 8.3 | 8.3 | 8.5 |
| JETTY (PPG-FL 106) | 9.0 | 8.0 | 8.0 | 8.3 | 8.0 | 8.3 |
| BEACON | 9.0 | 8.0 | 8.0 | 7.7 | 8.7 | 8.3 |
| RESOLUTE (7H7) | 9.0 | 8.3 | 7.0 | 7.7 | 8.7 | 8.1 |
| DLFPS-FL/3060 | 9.0 | 7.3 | 7.3 | 8.0 | 8.7 | 8.1 |
| DLFPS-FL/3066 | 8.7 | 8.7 | 8.0 | 7.3 | 7.7 | 8.1 |
| MNHD-14 | 9.0 | 7.7 | 7.3 | 8.3 | 8.0 | 8.1 |
| PST-4BND | 9.0 | 8.7 | 7.7 | 8.0 | 7.0 | 8.1 |
| MINIMUS | 9.0 | 7.7 | 7.3 | 8.0 | 7.3 | 7.9 |
| QUATRO | 9.0 | 7.7 | 6.3 | 8.3 | 8.0 | 7.9 |
| SWORD | 9.0 | 7.0 | 7.3 | 8.0 | 7.3 | 7.7 |
| BEUDIN | 8.7 | 8.0 | 5.3 | 6.3 | 6.0 | 6.9 |
| LSD VALUE | 0.4 | 1.3 | 1.0 | 1.2 | 1.7 | 0.5 |
| C.V. (%) | 2.6 | 10.4 | 8.2 | 9.5 | 13.5 | 9.3 |

TABLE 25E. RED THREAD RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

| NAME | CT1 | MD1 | MI1 | MI2 | MN2 | MEAN |
|---|---|---|---|---|---|---|
| BAR FRT 5002 | 9 | 8.3 | 6.0 | 7.0 | 7.0 | 7.5 |
| SEAMIST (PPG-FRT 101) | 9 | 6.7 | 5.3 | 5.3 | 7.0 | 6.7 |
| SEABREEZE GT | 9 | 5.0 | 5.7 | 5.7 | 7.0 | 6.5 |
| LSD VALUE | 0 | 2.9 | 1.8 | 1.5 | 2.1 | 0.9 |
| C.V. (%) | 0 | 26.9 | 19.5 | 15.7 | 18.4 | 17.2 |

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 26A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

| NAME | NC1 |
|---|---|
| BAR FRT 5002 | 7.0 |
| DLFPS-FL/3060 | 6.0 |
| NAVIGATOR II | 6.0 |
| DLF-FRC 3338 | 5.7 |
| PPG-FRC 114 | 5.7 |
| DLFPS-FRR/3069 | 5.5 |
| RAD-FC44 | 5.5 |
| 7C34 | 5.3 |
| C14-OS3 | 5.3 |
| CARDINAL II (PPG-FRR 111) | 5.0 |
| CASTLE (RAD-FC32) | 5.0 |
| COMPASS II (PPG-FRC 113) | 5.0 |
| DLFPS-FRC/3057 | 5.0 |
| GLADIATOR (TH456) | 5.0 |
| PST-4BEN | 5.0 |
| PST-4DR4 | 5.0 |
| PST-4ED4 | 5.0 |
| RADAR | 5.0 |
| DLFPS-FRR/3068 | 4.7 |
| KENT | 4.7 |
| MARVEL | 4.7 |
| PST-4RUE | 4.7 |
| BAR VV-VP3-CT | 4.3 |
| SEAMIST (PPG-FRT 101) | 4.3 |
| BAR 6FR 126 | 4.0 |
| BEACON | 4.0 |
| BOREAL | 4.0 |
| DLF-FRR 6162 | 4.0 |
| MINIMUS | 4.0 |
| RAD-FR33R | 4.0 |
| SEABREEZE GT | 4.0 |
| SWORD | 4.0 |
| BEUDIN | 3.7 |
| RAD-FR47 | 3.5 |
| DLFPS-FRC/3060 | 3.3 |
| CASCADE | 3.0 |
| DLFPS-FL/3066 | 3.0 |
| QUATRO | 3.0 |
| LSD VALUE | 1.5 |
| C.V. (%) | 17.1 |

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 26B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

| NAME | BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ NC1 |
|---|---|
| DLF-FRC 3338 | 5.7 |
| PPG-FRC 114 | 5.7 |
| RAD-FC44 | 5.5 |
| CASTLE (RAD-FC32) | 5.0 |
| COMPASS II (PPG-FRC 113) | 5.0 |
| DLFPS-FRC/3057 | 5.0 |
| RADAR | 5.0 |
| BAR VV-VP3-CT | 4.3 |
| BAR 6FR 126 | 4.0 |
| DLFPS-FRC/3060 | 3.3 |
| CASCADE | 3.0 |
| LSD VALUE | 1.0 |
| C.V. (%) | 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 26C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

| | BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ |
|---|---|
| NAME | NC1 |
| NAVIGATOR II | 6.0 |
| DLFPS-FRR/3069 | 5.5 |
| 7C34 | 5.3 |
| C14-OS3 | 5.3 |
| CARDINAL II (PPG-FRR 111) | 5.0 |
| PST-4BEN | 5.0 |
| PST-4DR4 | 5.0 |
| PST-4ED4 | 5.0 |
| DLFPS-FRR/3068 | 4.7 |
| KENT | 4.7 |
| MARVEL | 4.7 |
| PST-4RUE | 4.7 |
| BOREAL | 4.0 |
| DLF-FRR 6162 | 4.0 |
| RAD-FR33R | 4.0 |
| RAD-FR47 | 3.5 |
| LSD VALUE | 1.5 |
| C.V. (%) | 18.4 |

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 26D. BROWN PATCH (WARM TEMPERATURE) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

| NAME | BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ NC1 |
|---|---|
| DLFPS-FL/3060 | 6.0 |
| GLADIATOR (TH456) | 5.0 |
| BEACON | 4.0 |
| MINIMUS | 4.0 |
| SWORD | 4.0 |
| BEUDIN | 3.7 |
| DLFPS-FL/3066 | 3.0 |
| QUATRO | 3.0 |
| LSD VALUE | 2.0 |
| C.V. (%) | 21.6 |

TABLE 26E. BROWN PATCH (WARM TEMPERATURE) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

| NAME | BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ NC1 |
|---|---|
| BAR FRT 5002 | 7.0 |
| SEAMIST (PPG-FRT 101) | 4.3 |
| SEABREEZE GT | 4.0 |
| LSD VALUE | 1.7 |
| C.V. (%) | 16.0 |

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 27A. SUMMER PATCH RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/

| NAME | MD1 | NJ1 | MEAN |
|---|---|---|---|
| JETTY (PPG-FL 106) | 8.7 | 7.0 | 7.8 |
| RESOLUTE (7H7) | 8.7 | 6.7 | 7.7 |
| MINIMUS | 8.0 | 6.7 | 7.3 |
| DLFPS-FL/3066 | 8.7 | 6.0 | 7.3 |
| MNHD-14 | 8.3 | 6.0 | 7.2 |
| DLFPS-FL/3060 | 8.7 | 5.7 | 7.2 |
| GLADIATOR (TH456) | 8.0 | 6.3 | 7.2 |
| SWORD | 8.0 | 6.0 | 7.0 |
| COMPASS II (PPG-FRC 113) | 7.7 | 5.7 | 6.7 |
| DLF-FRC 3338 | 7.7 | 5.7 | 6.7 |
| BEACON | 8.0 | 5.3 | 6.7 |
| C14-OS3 | 7.3 | 6.0 | 6.7 |
| CARDINAL II (PPG-FRR 111) | 4.3 | 8.7 | 6.5 |
| PPG-FRC 114 | 7.0 | 6.0 | 6.5 |
| DLFPS-FRC/3057 | 7.0 | 5.7 | 6.3 |
| PST-4ED4 | 5.0 | 7.7 | 6.3 |
| PST-4BEN | 4.7 | 7.7 | 6.2 |
| PST-4BND | 7.7 | 4.7 | 6.2 |
| RADAR | 6.3 | 5.3 | 5.8 |
| DLFPS-FRR/3068 | 5.3 | 5.7 | 5.5 |
| DLF-FRR 6162 | 3.0 | 7.7 | 5.3 |
| 7C34 | 3.3 | 7.3 | 5.3 |
| PST-4RUE | 4.0 | 6.3 | 5.2 |
| QUATRO | 4.3 | 5.7 | 5.0 |
| DLFPS-FRC/3060 | 3.3 | 6.3 | 4.8 |
| PST-4DR4 | 3.3 | 6.3 | 4.8 |
| SEAMIST (PPG-FRT 101) | 5.3 | 2.7 | 4.0 |
| RAD-FR47 | 2.7 | 4.7 | 3.7 |
| BAR VV-VP3-CT | 3.7 | 3.3 | 3.5 |
| NAVIGATOR II | 2.0 | 5.0 | 3.5 |
| RAD-FC44 | 3.3 | 3.7 | 3.5 |
| RAD-FR33R | 3.0 | 4.0 | 3.5 |
| CASTLE (RAD-FC32) | 3.3 | 3.3 | 3.3 |
| DLFPS-FRR/3069 | 2.7 | 4.0 | 3.3 |
| MARVEL | 3.0 | 3.7 | 3.3 |
| CASCADE | 2.3 | 4.0 | 3.2 |
| BEUDIN | 3.3 | 2.0 | 2.7 |
| KENT | 2.3 | 3.0 | 2.7 |
| BOREAL | 2.3 | 2.7 | 2.5 |
| SEABREEZE GT | 3.0 | 1.3 | 2.2 |
| BAR 6FR 126 | 2.7 | 1.3 | 2.0 |
| BAR FRT 5002 | 2.7 | 1.3 | 2.0 |
| LSD VALUE | 1.1 | 1.7 | 1.0 |
| C.V. (%) | 13.4 | 21.0 | 17.6 |

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 27B. SUMMER PATCH RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/

| NAME | MD1 | NJ1 | MEAN |
|---|---|---|---|
| COMPASS II (PPG-FRC 113) | 7.7 | 5.7 | 6.7 |
| DLF-FRC 3338 | 7.7 | 5.7 | 6.7 |
| PPG-FRC 114 | 7.0 | 6.0 | 6.5 |
| DLFPS-FRC/3057 | 7.0 | 5.7 | 6.3 |
| RADAR | 6.3 | 5.3 | 5.8 |
| DLFPS-FRC/3060 | 3.3 | 6.3 | 4.8 |
| BAR VV-VP3-CT | 3.7 | 3.3 | 3.5 |
| RAD-FC44 | 3.3 | 3.7 | 3.5 |
| CASTLE (RAD-FC32) | 3.3 | 3.3 | 3.3 |
| CASCADE | 2.3 | 4.0 | 3.2 |
| BAR 6FR 126 | 2.7 | 1.3 | 2.0 |
| LSD VALUE | 1.5 | 1.7 | 1.2 |
| C.V. (%) | 19.3 | 23.8 | 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 27C. SUMMER PATCH RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/

| NAME | MD1 | NJ1 | MEAN |
|---|---|---|---|
| C14-OS3 | 7.3 | 6.0 | 6.7 |
| CARDINAL II (PPG-FRR 111) | 4.3 | 8.7 | 6.5 |
| PST-4ED4 | 5.0 | 7.7 | 6.3 |
| PST-4BEN | 4.7 | 7.7 | 6.2 |
| DLFPS-FRR/3068 | 5.3 | 5.7 | 5.5 |
| DLF-FRR 6162 | 3.0 | 7.7 | 5.3 |
| 7C34 | 3.3 | 7.3 | 5.3 |
| PST-4RUE | 4.0 | 6.3 | 5.2 |
| PST-4DR4 | 3.3 | 6.3 | 4.8 |
| RAD-FR47 | 2.7 | 4.7 | 3.7 |
| NAVIGATOR II | 2.0 | 5.0 | 3.5 |
| RAD-FR33R | 3.0 | 4.0 | 3.5 |
| DLFPS-FRR/3069 | 2.7 | 4.0 | 3.3 |
| MARVEL | 3.0 | 3.7 | 3.3 |
| KENT | 2.3 | 3.0 | 2.7 |
| BOREAL | 2.3 | 2.7 | 2.5 |
| LSD VALUE | 0.9 | 1.9 | 1.0 |
| C.V. (%) | 15.8 | 20.6 | 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 27D. SUMMER PATCH RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

| NAME | SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/ MD1 | NJ1 | MEAN |
|---|---|---|---|
| JETTY (PPG-FL 106) | 8.7 | 7.0 | 7.8 |
| RESOLUTE (7H7) | 8.7 | 6.7 | 7.7 |
| MINIMUS | 8.0 | 6.7 | 7.3 |
| DLFPS-FL/3066 | 8.7 | 6.0 | 7.3 |
| MNHD-14 | 8.3 | 6.0 | 7.2 |
| DLFPS-FL/3060 | 8.7 | 5.7 | 7.2 |
| GLADIATOR (TH456) | 8.0 | 6.3 | 7.2 |
| SWORD | 8.0 | 6.0 | 7.0 |
| BEACON | 8.0 | 5.3 | 6.7 |
| PST-4BND | 7.7 | 4.7 | 6.2 |
| QUATRO | 4.3 | 5.7 | 5.0 |
| BEUDIN | 3.3 | 2.0 | 2.7 |
| LSD VALUE | 0.8 | 1.6 | 0.9 |
| C.V. (%) | 6.3 | 17.9 | 12.0 |

TABLE 27E. SUMMER PATCH RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

| NAME | SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/ MD1 | NJ1 | MEAN |
|---|---|---|---|
| SEAMIST (PPG-FRT 101) | 5.3 | 2.7 | 4.0 |
| SEABREEZE GT | 3.0 | 1.3 | 2.2 |
| BAR FRT 5002 | 2.7 | 1.3 | 2.0 |
| LSD VALUE | 1.2 | 0.9 | 0.8 |
| C.V. (%) | 20.3 | 32.5 | 24.5 |

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 28A. CHINCH BUG RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

| NAME | NJ1 |
|---|---|
| CARDINAL II (PPG-FRR 111) | 9.0 |
| DLF-FRR 6162 | 9.0 |
| PST-4BEN | 9.0 |
| PST-4ED4 | 9.0 |
| RESOLUTE (7H7) | 8.7 |
| GLADIATOR (TH456) | 8.3 |
| JETTY (PPG-FL 106) | 8.0 |
| SWORD | 8.0 |
| 7C34 | 7.7 |
| PST-4RUE | 7.7 |
| DLFPS-FRC/3057 | 7.3 |
| PST-4DR4 | 7.3 |
| QUATRO | 7.3 |
| COMPASS II (PPG-FRC 113) | 7.0 |
| DLFPS-FL/3066 | 6.7 |
| MINIMUS | 6.7 |
| C14-OS3 | 6.3 |
| RADAR | 6.3 |
| DLF-FRC 3338 | 6.0 |
| MNHD-14 | 6.0 |
| DLFPS-FL/3060 | 5.7 |
| DLFPS-FRC/3060 | 5.7 |
| PPG-FRC 114 | 5.3 |
| BEACON | 4.7 |
| NAVIGATOR II | 4.7 |
| PST-4BND | 4.7 |
| RAD-FR47 | 4.7 |
| CASCADE | 4.3 |
| BAR VV-VP3-CT | 4.0 |
| DLFPS-FRR/3068 | 4.0 |
| BOREAL | 3.3 |
| DLFPS-FRR/3069 | 3.0 |
| MARVEL | 3.0 |
| KENT | 2.7 |
| RAD-FC44 | 2.3 |
| RAD-FR33R | 2.3 |
| BEUDIN | 2.0 |
| CASTLE (RAD-FC32) | 2.0 |
| SEAMIST (PPG-FRT 101) | 1.7 |
| BAR FRT 5002 | 1.3 |
| SEABREEZE GT | 1.3 |
| BAR 6FR 126 | 1.0 |
| LSD VALUE | 3.3 |
| C.V. (%) | 38.6 |

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 28B. CHINCH BUG RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

| NAME | NJ1 |
|---|---|
| DLFPS-FRC/3057 | 7.3 |
| COMPASS II (PPG-FRC 113) | 7.0 |
| RADAR | 6.3 |
| DLF-FRC 3338 | 6.0 |
| DLFPS-FRC/3060 | 5.7 |
| PPG-FRC 114 | 5.3 |
| CASCADE | 4.3 |
| BAR VV-VP3-CT | 4.0 |
| RAD-FC44 | 2.3 |
| CASTLE (RAD-FC32) | 2.0 |
| BAR 6FR 126 | 1.0 |
| LSD VALUE | 4.1 |
| C.V. (%) | 54.1 |

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 28C. CHINCH BUG RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

| NAME | NJ1 |
|---|---|
| CARDINAL II (PPG-FRR 111) | 9.0 |
| DLF-FRR 6162 | 9.0 |
| PST-4BEN | 9.0 |
| PST-4ED4 | 9.0 |
| 7C34 | 7.7 |
| PST-4RUE | 7.7 |
| PST-4DR4 | 7.3 |
| C14-OS3 | 6.3 |
| NAVIGATOR II | 4.7 |
| RAD-FR47 | 4.7 |
| DLFPS-FRR/3068 | 4.0 |
| BOREAL | 3.3 |
| DLFPS-FRR/3069 | 3.0 |
| MARVEL | 3.0 |
| KENT | 2.7 |
| RAD-FR33R | 2.3 |
| LSD VALUE | 3.0 |
| C.V. (%) | 32.6 |

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 28D. CHINCH BUG RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

| NAME | NJ1 |
|---|---|
| RESOLUTE (7H7) | 8.7 |
| GLADIATOR (TH456) | 8.3 |
| JETTY (PPG-FL 106) | 8.0 |
| SWORD | 8.0 |
| QUATRO | 7.3 |
| DLFPS-FL/3066 | 6.7 |
| MINIMUS | 6.7 |
| MNHD-14 | 6.0 |
| DLFPS-FL/3060 | 5.7 |
| BEACON | 4.7 |
| PST-4BND | 4.7 |
| BEUDIN | 2.0 |
| LSD VALUE | 3.3 |
| C.V. (%) | 32.2 |

TABLE 28E. CHINCH BUG RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

| NAME | NJ1 |
|---|---|
| SEAMIST (PPG-FRT 101) | 1.7 |
| BAR FRT 5002 | 1.3 |
| SEABREEZE GT | 1.3 |
| LSD VALUE | 1.3 |
| C.V. (%) | 56.5 |

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 29A. PERCENT POA ANNUA RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA 2/

| NAME | IN1 |
|---|---|
| PST-4BND | 19.7 |
| QUATRO | 15.3 |
| BEACON | 14.3 |
| PST-4RUE | 14.0 |
| JETTY (PPG-FL 106) | 12.7 |
| BAR 6FR 126 | 10.7 |
| DLFPS-FL/3066 | 10.7 |
| MINIMUS | 10.7 |
| RAD-FR33R | 10.3 |
| BAR VV-VP3-CT | 10.0 |
| PST-4BEN | 10.0 |
| SWORD | 10.0 |
| BEUDIN | 9.7 |
| DLF-FRR 6162 | 9.7 |
| DLFPS-FL/3060 | 9.7 |
| RAD-FR47 | 9.3 |
| 7C34 | 8.3 |
| RESOLUTE (7H7) | 8.0 |
| BAR FRT 5002 | 7.7 |
| RAD-FC44 | 7.7 |
| MNHD-14 | 7.5 |
| DLFPS-FRR/3068 | 7.0 |
| GLADIATOR (TH456) | 7.0 |
| PST-4ED4 | 6.7 |
| CASTLE (RAD-FC32) | 6.3 |
| MARVEL | 6.3 |
| PPG-FRC 114 | 6.3 |
| RADAR | 6.3 |
| PST-4DR4 | 6.0 |
| COMPASS II (PPG-FRC 113) | 5.7 |
| DLFPS-FRC/3057 | 5.7 |
| BOREAL | 5.3 |
| CARDINAL II (PPG-FRR 111) | 5.3 |
| DLFPS-FRR/3069 | 5.3 |
| KENT | 5.3 |
| CASCADE | 5.0 |
| DLF-FRC 3338 | 4.7 |
| DLFPS-FRC/3060 | 3.7 |
| NAVIGATOR II | 3.0 |
| C14-OS3 | 2.3 |
| SEAMIST (PPG-FRT 101) | 1.3 |
| SEABREEZE GT | 1.0 |
| LSD VALUE | 10.2 |
| C.V. (%) | 78.3 |

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 29B. PERCENT POA ANNUA RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA 2/

| NAME | IN1 |
|---|---|
| BAR 6FR 126 | 10.7 |
| BAR VV-VP3-CT | 10.0 |
| RAD-FC44 | 7.7 |
| CASTLE (RAD-FC32) | 6.3 |
| PPG-FRC 114 | 6.3 |
| RADAR | 6.3 |
| COMPASS II (PPG-FRC 113) | 5.7 |
| DLFPS-FRC/3057 | 5.7 |
| CASCADE | 5.0 |
| DLF-FRC 3338 | 4.7 |
| DLFPS-FRC/3060 | 3.7 |
| LSD VALUE | 10.6 |
| C.V. (%) | 100.6 |

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 29C. PERCENT POA ANNUA RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA 2/

| NAME | IN1 |
|---|---|
| PST-4RUE | 14.0 |
| RAD-FR33R | 10.3 |
| PST-4BEN | 10.0 |
| DLF-FRR 6162 | 9.7 |
| RAD-FR47 | 9.3 |
| 7C34 | 8.3 |
| DLFPS-FRR/3068 | 7.0 |
| PST-4ED4 | 6.7 |
| MARVEL | 6.3 |
| PST-4DR4 | 6.0 |
| BOREAL | 5.3 |
| CARDINAL II (PPG-FRR 111) | 5.3 |
| DLFPS-FRR/3069 | 5.3 |
| KENT | 5.3 |
| NAVIGATOR II | 3.0 |
| C14-OS3 | 2.3 |
| LSD VALUE | 8.7 |
| C.V. (%) | 75.7 |

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 29D. PERCENT POA ANNUA RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA 2/

| NAME | IN1 |
|---|---|
| PST-4BND | 19.7 |
| QUATRO | 15.3 |
| BEACON | 14.3 |
| JETTY (PPG-FL 106) | 12.7 |
| DLFPS-FL/3066 | 10.7 |
| MINIMUS | 10.7 |
| SWORD | 10.0 |
| BEUDIN | 9.7 |
| DLFPS-FL/3060 | 9.7 |
| RESOLUTE (7H7) | 8.0 |
| MNHD-14 | 7.5 |
| GLADIATOR (TH456) | 7.0 |
| LSD VALUE | 12.0 |
| C.V. (%) | 62.6 |

TABLE 29E. PERCENT POA ANNUA RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA 2/

| NAME | IN1 |
|---|---|
| BAR FRT 5002 | 7.7 |
| SEAMIST (PPG-FRT 101) | 1.3 |
| SEABREEZE GT | 1.0 |

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

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

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR FINELEAF FESCUE CULTIVARS */
2016 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF **/

| NAME | QUALITY MEAN 1/ | MAXIMUM IN TOP 25% 2/ |
|---|---|---|
| 7C34 | 5.1 | 41.7 |
| BAR 6FR 126 | 4.5 | 25.0 |
| BAR FRT 5002 | 3.9 | 0.0 |
| BAR VV-VP3-CT | 4.5 | 8.3 |
| BEACON | 5.2 | 41.7 |
| BEUDIN | 4.1 | 8.3 |
| BOREAL | 3.9 | 8.3 |
| C14-OS3 | 5.6 | 33.3 |
| CARDINAL II (PPG-FRR 111) | 5.1 | 33.3 |
| CASCADE | 4.6 | 8.3 |
| CASTLE (RAD-FC32) | 4.8 | 33.3 |
| COMPASS II (PPG-FRC 113) | 5.5 | 50.0 |
| DLF-FRC 3338 | 5.4 | 25.0 |
| DLF-FRR 6162 | 5.0 | 33.3 |
| DLFPS-FL/3060 | 5.2 | 50.0 |
| DLFPS-FL/3066 | 5.3 | 50.0 |
| DLFPS-FRC/3057 | 5.4 | 41.7 |
| DLFPS-FRC/3060 | 4.9 | 25.0 |
| DLFPS-FRR/3068 | 4.7 | 0.0 |
| DLFPS-FRR/3069 | 4.4 | 8.3 |
| GLADIATOR (TH456) | 5.5 | 75.0 |
| JETTY (PPG-FL 106) | 5.2 | 41.7 |
| KENT | 4.3 | 8.3 |
| MARVEL | 4.5 | 8.3 |
| MINIMUS | 5.2 | 50.0 |
| MNHD-14 | 5.2 | 50.0 |
| NAVIGATOR II | 4.5 | 8.3 |
| PPG-FRC 114 | 5.3 | 25.0 |
| PST-4BEN | 5.1 | 25.0 |
| PST-4BND | 4.9 | 33.3 |
| PST-4DR4 | 4.7 | 8.3 |
| PST-4ED4 | 4.6 | 8.3 |
| PST-4RUE | 4.8 | 16.7 |
| QUATRO | 4.6 | 16.7 |
| RAD-FC44 | 4.7 | 16.7 |
| RAD-FR33R | 4.4 | 0.0 |
| RAD-FR47 | 4.5 | 0.0 |
| RADAR | 5.5 | 33.3 |
| RESOLUTE (7H7) | 5.4 | 66.7 |
| SEABREEZE GT | 4.2 | 8.3 |
| SEAMIST (PPG-FRT 101) | 4.7 | 0.0 |
| SWORD | 5.1 | 33.3 |
| LSD VALUE | 0.3 | |
| C.V. (%) | 11.2 | |

*/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
**/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.
2/ MAXIMUM IN TOP 25%: THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.