

## **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.

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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>.

2012 NATIONAL TALL FESCUE TEST

LOCATIONS SUBMITTING DATA FOR 2015

| State          | Location                          | Code |
|----------------|-----------------------------------|------|
| California     | Riverside                         | CA3  |
| Connecticut    | Storrs                            | CT1  |
| Georgia        | Griffin                           | GA1  |
| Illinois       | Urbana                            | IL1  |
| Illinois       | Carbondale (Shade)                | IL2  |
| Indiana        | West Lafayette                    | IN1  |
| Iowa           | Ames                              | IA1  |
| Kansas         | Wichita (Brown Patch Ancillary)   | KS2  |
| Kentucky       | Lexington                         | KY1  |
| Kentucky       | Lexington (Brown Patch Ancillary) | KY2  |
| Maryland       | College Park                      | MD1  |
| Missouri       | Columbia                          | MO1  |
| Mississippi    | Mississippi State                 | MS1  |
| Nebraska       | Mead                              | NE1  |
| New Jersey     | North Brunswick                   | NJ1  |
| New Jersey     | North Brunswick (Traffic)         | NJ3  |
| New Jersey     | Adelphia                          | NJ2  |
| North Carolina | Raleigh                           | NC1  |
| Oklahoma       | Stillwater                        | OK1  |
| Pennsylvania   | University Park                   | PA1  |
| Pennsylvania   | University Park (Traffic)         | PA2  |
| Tennessee      | Knoxville                         | TN1  |
| Tennessee      | Knoxville (Traffic)               | TN2  |
| Utah           | Logan (Drought)                   | UT1  |
| Utah           | Logan (Spread)                    | UT1  |
| Virginia       | Blacksburg                        | VA1  |
| Virginia       | Blacksburg (Traffic)              | VA2  |

2012 NATIONAL TALL FESCUE TEST  
Entries and Sponsors

|     |                                     |                          |     |                             |                          |      |                              |                           |
|-----|-------------------------------------|--------------------------|-----|-----------------------------|--------------------------|------|------------------------------|---------------------------|
| 1   | Terrano                             | SemillasFito S.A.        | 40  | ATF 1704                    | Pennington Seed          | 79   | K12-05                       | The Scotts Company        |
| *2  | Ky-31                               | Standard Entry           | *41 | GTO (Burl TF-2)             | Burlingham Seeds         | *80  | AvengerII (PPG-TF-156)       | Mountain View Seeds       |
| 3   | Regenerate                          | Landmark Turf& NS        | *42 | Hot Rod (Burl TF-136)       | Burlingham Seeds         | *81  | Thor (PPG-TF-157)            | Columbia Seeds LLC        |
| 4   | Fesnova                             | SemillasFito S.A.        | *43 | Leonardo (LTP-FSD)          | Lebanon Turf Products    | 82   | PPG-TF-169                   | Integra Turf              |
| *5  | Raptor III(ZW 44)                   | Z Seeds                  | *44 | Rockwell (LTP-TWUU)         | Lebanon Turf Products    | *83  | Supersonic (PPG-TF-170)      | Mountain View Seeds       |
| *6  | Traverse 2 SRP(W45)                 | Turf Merchants, Inc      | *45 | Michelangelo (LTP-F5DPDR)   | Lebanon Turf Products    | *84  | Paramount (PPG-TF-137)       | Lewis Seed Company        |
| *7  | 4 <sup>th</sup> Millennium SRP(U43) | Turf Merchants, Inc      | *46 | Unitus (IS-TF 289)          | DLPickseed, SRO          | 85   | PPG-TF-135                   | Ampac Seed Company        |
| *8  | Rhambler 2 SRP(LSD)                 | Turf Merchants, Inc      | *47 | Bloodhound (MET 6 SEL)      | DLF                      | 86   | PPG-TF-115                   | Lewis Seed Company        |
| *9  | Aquaduct                            | Turf Merchants, Inc      | *48 | Diablo (IS-TF 330)          | Columbia Seeds LLC       | *87  | Firecracker SLS (PPG-TF-105) | Mountain View Seeds       |
| *10 | Catalyst                            | Standard Entry           | 49  | IS-TF-287                   | DLF Pickseed USA         | *88  | Valkyrie LS (PPG-TF-172)     | Mountain View Seeds       |
| *11 | Marauder                            | Ledeboer Seed LLC        | *50 | Houndog8 (IS-TF-307 SEL)    | DLF                      | *89  | Wichita (PPG-TF-151)         | Grassland Oregon          |
| *12 | Warhawk                             | Ledeboer Seed LLC        | 51  | IS-TF-308 SEL               | DLF Pickseed USA         | *90  | Titanium 2LS (PPG-TF-152)    | Mountain View Seeds       |
| *13 | Annihilator                         | Ledeboer Seed LLC        | 52  | IS-TF-311                   | Brett-Young Seeds        | *91  | Screamer LS (PPG-TF-148)     | Mountain View Seeds       |
| 14  | Comp. Res. SST                      | Ledeboer Seed LLC        | *53 | Nightcrawler (IS-TF-285)    | Pickseed                 | *92  | Black Tail (PPG-TF-150)      | Columbia Seeds LLC        |
| 15  | 204 Res. Blk4                       | Ledeboer Seed LLC        | *54 | Crossfire 4 (IS-TF-310 SEL) | Pickseed                 | 93   | BIZEM                        | SemillasFito S.A.         |
| 16  | JS 819                              | Jacklin Seed by Simplot© | 55  | IS-TF-272                   | DLF Pickseed USA         | *94  | Amity (CCR2)                 | Proseeds Marketing        |
| 17  | JS 818                              | Jacklin Seed by Simplot© | 56  | ATF 1736                    | Pennington Seed          | 95   | MET-3                        | Proseeds Marketing        |
| 18  | JS 809                              | Jacklin Seed by Simplot© | 57  | ATF 1754                    | Brett-Young Seeds        | 96   | W41                          | The Scotts Company        |
| 19  | JS 916                              | Jacklin Seed by Simplot© | *58 | Hemi                        | Burlingham Seeds         | *97  | Dynamite LS (PPG-TF-145)     | Mountain View Seeds       |
| 20  | JS 825                              | Jacklin Seed by Simplot© | *59 | Firebird 2                  | Burlingham Seeds         | 98   | PPG-TF-138                   | Ampac Seeds               |
| 21  | MET 1                               | The Scotts Company       | *60 | Bullseye                    | Standard Entry           | 99   | Xtender (PPG-TF-139)         | Landmark Turf & Native S. |
| 22  | F711                                | The Scotts Company       | 61  | Embrace (PST-5EV2)          | Landmark Turf & N.S.     | *100 | Ares (PPG-TF-142)            | Mountain View Seed        |
| *23 | Fayette(IS-TF-291)                  | DLPickseed, SRO          | 62  | Meridian (PST-5GRB)         | Landmark Turf & N.S.     | 101  | RAD-TF-89                    | Bailey Seeds              |
| 24  | IS-TF-276 M2                        | DLF Pickseed USA         | *63 | Saltillo (PST-5SALT)        | Rose Agri-Seed           | 102  | RAD-TF-92                    | Radix Research            |
| *25 | Rhizing Moon(IS-TF-305 SEL)         | DLF                      | *64 | Rain Dance (PST-5SDT)       | Rose Agri-Seed           | *103 | Memphis (GO-DFR)             | Grassland Oregon          |
| 26  | IS-TF-269 SEL                       | DLF Pickseed USA         | 65  | PST-5DZP                    | Pure Seed Testing, Inc   | 104  | K12-MCD                      | The Scotts Company        |
| *27 | Turfway(IS-TF-282 M2)               | DLF                      | *66 | Swagger (PST-5RO5)          | Brett-Young Seeds        | 105  | PST-5EX2                     | Pure Seed Testing, Inc.   |
| *28 | Foxhound (IS-TF-284 M2)             | DLF                      | 67  | PST-5BPO                    | Grassland Oregon         | 106  | PST-5MVD                     | Brett-Young Seeds         |
| *29 | Temptation (OR-21)                  | Great Basin Seed         | 68  | PST-5BRK                    | Pure Seed Testing, Inc   | 107  | RAD-TF-83                    | Oak Park Farms            |
| *30 | Caesar (TY 10)                      | Great Basin Seed         | *69 | Kingdom (DB1)               | SiteOne Landscape Supply | *108 | Olympus (RAD-TF-88)          | Grassland Oregon          |
| *31 | Frontline (Exp TF-09)               | Great Basin Seed         | *70 | Technique (RZ2)             | SiteOne Landscape Supply | 109  | BAR Fa 120878                | Barenburg USA             |
| *32 | Rowdy (SRX-TPC)                     | Seed Research of OR      | *71 | Thunderstruck (TD1)         | Columbia Seeds LLC       | 110  | BAR Fa 121089                | Barenburg USA             |
| *33 | Firewall (PSG-WEI)                  | Pickseed                 | *72 | Temple (DZ1)                | Columbia Seeds LLC       | 111  | BAR Fa 121091                | Barenburg USA             |
| *34 | Rebounder(Pick-W43)                 | Seed Research of OR      | *73 | Maestro (T31)               | Landmark Turf & N.S.     | 112  | BAR Fa 121095                | Barenburg USA             |
| *35 | Grande 3                            | Seed Research of OR      | 74  | PSG-GSD                     | DLF Pickseed USA         | *113 | Inspiration (PST-R5NW)       | Rose-Agri Seed            |
| 36  | PSG-PO1                             | Pickseed                 | 75  | PSG-8BP2                    | DLF Pickseed USA         | *114 | Hover (Burl TF-69)           | Ag. Service Seeds         |
| *37 | Reflection (U45)                    | Landmark Turf & N.S.     | 76  | PSG-TT4                     | DLF Pickseed USA         | *115 | Falcon IV                    | Standard Entry            |
| 38  | B23                                 | Pennington Seed          | *77 | Faith                       | Standard Entry           | *116 | Falcon V                     | Standard Entry            |
| 39  | ATF 1612                            | Pennington Seed          | 78  | K12-13                      | The Scotts Company       |      |                              |                           |

\*COMMERCIALY AVAILABLE IN THE USA IN 2016

TABLE A.

2015 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 2012 NATIONAL TALL 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 | 0-60                        | 241-375                   | 5.1-6.0                   | FULL SUN      | 2.1-2.5            | TO PREVENT STRESS         |
| CT1      | SANDY LOAM          | -       | 0-60                        | 241-375                   | -                         | FULL SUN      | 2.6-3.0            | ONLY DURING SEVERE STRESS |
| GA1      | SANDY LOAM          | 4.6-5.5 | 0-60                        | 0-150                     | 4.1-5.0                   | FULL SUN      | 3.1-3.5            | TO PREVENT STRESS         |
| IA1      | SANDY CLAY LOAM     | 7.1-7.5 | 0-60                        | 0-150                     | 2.1-3.0                   | FULL SUN      | 2.6-3.0            | ONLY DURING SEVERE STRESS |
| 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 | 0-60                        | 151-240                   | 2.1-3.0                   | FULL SUN      | 2.6-3.0            | ONLY DURING SEVERE STRESS |
| KS2      | SANDY LOAM          | -       | -                           | -                         | -                         | FULL SUN      | -                  | TO PREVENT STRESS         |
| KY1      | SILT LOAM AND SILT  | 5.6-6.0 | 451+                        | 501+                      | 1.1-2.0                   | FULL SUN      | 3.1-3.5            | TO PREVENT STRESS         |
| KY2      | SILT LOAM AND SILT  | 5.6-6.0 | 451+                        | 501+                      | 1.1-2.0                   | FULL SUN      | 3.1-3.5            | TO PREVENT STRESS         |
| MD1      | SILT LOAM AND SILT  | 6.1-6.5 | 61-150                      | 151-240                   | 2.1-3.0                   | FULL SUN      | 3.1-3.5            | TO PREVENT DORMANCY       |
| MO1      | SILT LOAM AND SILT  | 6.1-6.5 | 0-60                        | 151-240                   | 1.1-2.0                   | FULL SUN      | 3.1-3.5            | TO PREVENT DORMANCY       |
| MS1      | SANDY LOAM          | 7.1-7.5 | 151-270                     | 376-500                   | 2.1-3.0                   | FULL SUN      | 2.6-3.0            | TO PREVENT DORMANCY       |
| NC1      | SILTY CLAY LOAM     | 6.1-6.5 | 61-150                      | 0-150                     | 3.1-4.0                   | FULL SUN      | 2.1-2.5            | TO PREVENT STRESS         |
| NE1      | SILTY CLAY AND CLAY | 7.1-7.5 | 0-60                        | 376-500                   | 1.1-2.0                   | FULL SUN      | 2.6-3.0            | TO PREVENT STRESS         |
| NJ1      | LOAM                | 6.1-6.5 | 61-150                      | 241-375                   | 3.1-4.0                   | FULL SUN      | 2.1-2.5            | TO PREVENT STRESS         |
| NJ2      | SANDY LOAM          | 6.1-6.5 | 271-450                     | 241-375                   | 4.1-5.0                   | FULL SUN      | 1.1-1.5            | TO PREVENT STRESS         |
| NJ3      | LOAM                | 6.1-6.5 | 61-150                      | 241-375                   | 3.1-4.0                   | FULL SUN      | 2.1-2.5            | TO PREVENT STRESS         |
| OK1      | LOAM                | 7.1-7.5 | 61-150                      | 376-500                   | 3.1-4.0                   | FULL SUN      | 2.1-2.5            | TO PREVENT DORMANCY       |
| PA1      | SILTY CLAY LOAM     | 6.6-7.0 | 151-270                     | 0-150                     | 2.1-3.0                   | FULL SUN      | 2.6-3.0            | TO PREVENT DORMANCY       |
| PA2      | SILTY CLAY LOAM     | 6.6-7.0 | 151-270                     | 0-150                     | 2.1-3.0                   | FULL SUN      | 2.6-3.0            | TO PREVENT DORMANCY       |
| TN1      | SILT LOAM AND SILT  | 6.1-6.5 | 0-60                        | 0-150                     | 3.1-4.0                   | FULL SUN      | 2.6-3.0            | TO PREVENT STRESS         |
| TN2      | SILT LOAM AND SILT  | 6.1-6.5 | 0-60                        | 0-150                     | 3.1-4.0                   | FULL SUN      | 2.6-3.0            | TO PREVENT STRESS         |
| UT1      | -                   | -       | -                           | -                         | -                         | -             | -                  | -                         |
| UT2      | -                   | -       | -                           | -                         | -                         | -             | -                  | -                         |
| VA1      | SILT LOAM AND SILT  | 5.6-6.0 | 0-60                        | 151-240                   | 1.1-2.0                   | FULL SUN      | 2.6-3.0            | ONLY DURING SEVERE STRESS |
| VA2      | SILT LOAM AND SILT  | 5.6-6.0 | 0-60                        | 151-240                   | 1.1-2.0                   | FULL SUN      | 2.6-3.0            | ONLY DURING SEVERE STRESS |



TABLE B.

## LOCATIONS AND DATA COLLECTED IN 2015

| LOCATION | JANUARY<br>QUALITY<br>RATING | FEBRUARY<br>QUALITY<br>RATING | MARCH<br>QUALITY<br>RATING | APRIL<br>QUALITY<br>RATING | MAY<br>QUALITY<br>RATING | JUNE<br>QUALITY<br>RATING | JULY<br>QUALITY<br>RATING | AUGUST<br>QUALITY<br>RATING | SEPTEMBER<br>QUALITY<br>RATING | OCTOBER<br>QUALITY<br>RATING | NOVEMBER<br>QUALITY<br>RATING | DECEMBER<br>QUALITY<br>RATING |
|----------|------------------------------|-------------------------------|----------------------------|----------------------------|--------------------------|---------------------------|---------------------------|-----------------------------|--------------------------------|------------------------------|-------------------------------|-------------------------------|
| CA3      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             |
| CT1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| GA1      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             |
| IA1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| IL1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| IL2      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| IN1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| KS2      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| KY1      |                              |                               | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| KY2      |                              |                               |                            |                            |                          |                           |                           |                             |                                |                              |                               |                               |
| MD1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| MO1      |                              |                               | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| MS1      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             |
| NC1      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| NE1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| NJ1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| NJ2      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| NJ3      |                              |                               |                            |                            |                          |                           |                           |                             |                                |                              |                               |                               |
| OK1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             |
| PA1      |                              |                               |                            |                            |                          | X                         | X                         |                             |                                | X                            |                               |                               |
| PA2      |                              |                               |                            |                            |                          |                           |                           |                             |                                |                              |                               |                               |
| TN1      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             |
| TN2      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             |
| UT1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| UT2      |                              |                               |                            |                            |                          |                           |                           |                             |                                |                              |                               |                               |
| VA1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| VA2      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           |                                | X                            | X                             | X                             |

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 2015

| LOCATION | GENETIC<br>COLOR | SPRING<br>GREENUP | LEAF<br>TEXTURE | SPRING<br>DENSITY | SUMMER<br>DENSITY | FALL<br>DENSITY | PERCENT<br>COVER<br>SPRING | PERCENT<br>COVER<br>SUMMER | PERCENT<br>COVER<br>FALL | WINTER<br>COLOR | LEAF<br>SPOT | BROWN<br>PATCH<br>WARM TEMP. | PINK<br>SNOW<br>MILD |
|----------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|----------------------------|----------------------------|--------------------------|-----------------|--------------|------------------------------|----------------------|
| CA3      | X                | X                 | X               |                   | X                 |                 |                            |                            |                          | X               |              |                              |                      |
| CT1      | X                | X                 | X               |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| GA1      | X                |                   |                 |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| IA1      | X                | X                 | X               |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| IL1      | X                | X                 | X               |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| IL2      |                  | X                 |                 |                   |                   |                 |                            | X                          | X                        |                 |              |                              |                      |
| IN1      | X                | X                 | X               |                   | X                 |                 |                            |                            |                          |                 |              |                              |                      |
| KS2      | X                | X                 | X               |                   |                   |                 |                            |                            |                          |                 |              | X                            |                      |
| KY1      |                  |                   |                 |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| KY2      |                  |                   |                 |                   |                   |                 |                            |                            |                          |                 |              | X                            |                      |
| MD1      |                  |                   |                 |                   |                   |                 |                            |                            |                          |                 |              |                              | X                    |
| MO1      | X                |                   | X               |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| MS1      | X                | X                 | X               |                   |                   |                 |                            |                            |                          | X               |              |                              |                      |
| NC1      | X                | X                 | X               | X                 | X                 | X               | X                          | X                          | X                        | X               |              | X                            |                      |
| NE1      | X                | X                 | X               |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| NJ1      |                  | X                 |                 |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| NJ2      | X                | X                 |                 |                   |                   |                 |                            |                            |                          |                 | X            | X                            |                      |
| NJ3      |                  |                   |                 |                   |                   |                 | X                          | X                          | X                        |                 |              | X                            | X                    |
| OK1      | X                |                   | X               |                   | X                 | X               | X                          |                            | X                        |                 |              | X                            |                      |
| PA1      |                  | X                 |                 |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| PA2      |                  |                   |                 |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| TN1      | X                |                   |                 |                   |                   |                 | X                          | X                          | X                        |                 |              | X                            |                      |
| TN2      | X                |                   |                 | X                 |                   |                 | X                          | X                          | X                        | X               |              | X                            | X                    |
| UT1      | X                | X                 |                 |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| UT2      |                  |                   |                 |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| VA1      |                  |                   |                 |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |
| VA2      |                  |                   |                 |                   |                   |                 |                            |                            |                          |                 |              |                              |                      |

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2015

| LOCATION | FALL<br>COLOR<br>OCTOBER | FALL<br>COLOR<br>NOVEMBER | FALL<br>COLOR<br>DECEMBER | POA<br>ANNUA | PERCENT<br>WINTER<br>DAMAGE | BROWN PATCH |           | PERCENT PYTHIUM RATINGS |        |        |        |   |
|----------|--------------------------|---------------------------|---------------------------|--------------|-----------------------------|-------------|-----------|-------------------------|--------|--------|--------|---|
|          |                          |                           |                           |              |                             | AUGUST      | SEPTEMBER | JUNE                    | JUL_15 | JUL_29 | AUGUST |   |
| CA3      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| CT1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| GA1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| IA1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| IL1      |                          | X                         |                           |              |                             |             |           |                         |        |        |        |   |
| IL2      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| IN1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| KS2      |                          |                           | X                         |              |                             |             |           |                         |        |        |        |   |
| KY1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| KY2      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| MD1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| M01      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| MS1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| NC1      |                          |                           |                           |              | X                           |             |           |                         |        |        |        |   |
| NE1      | X                        |                           |                           |              |                             |             |           |                         |        |        |        |   |
| NJ1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| NJ2      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| * NJ3    |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| OK1      |                          |                           | X                         | X            |                             |             | X         | X                       |        |        |        |   |
| PA1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| * PA2    |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| TN1      |                          |                           |                           |              |                             |             |           |                         | X      | X      | X      | X |
| * TN2    |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| UT1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| * UT2    |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| VA1      |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |
| * VA2    |                          |                           |                           |              |                             |             |           |                         |        |        |        |   |

TABLE 1.

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/  
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*\*/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME                           | PA1 | NJ1 | NJ2 | MD1 | CT1 | IL1 | CA3 | NC1 | IA1 | VA1 | MEAN |
|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| * 4TH MILLENNIUM SRP (U43)     | 8.1 | 8.0 | 6.1 | 7.0 | 6.8 | 6.6 | 6.8 | 6.8 | 7.5 | 6.9 | 7.1  |
| * AMITY (CCR2)                 | 8.0 | 7.9 | 6.1 | 7.0 | 6.8 | 6.5 | 6.8 | 6.8 | 7.5 | 6.9 | 7.0  |
| REGENERATE                     | 8.1 | 7.9 | 6.1 | 7.0 | 6.7 | 6.5 | 6.7 | 6.8 | 7.5 | 6.8 | 7.0  |
| * TRAVERSE 2 SRP (W45)         | 7.9 | 7.8 | 6.0 | 6.9 | 6.7 | 6.5 | 6.7 | 6.8 | 7.5 | 6.9 | 7.0  |
| * RAPTOR III (ZW 44)           | 7.8 | 7.7 | 5.9 | 6.8 | 6.7 | 6.4 | 6.7 | 6.7 | 7.5 | 6.8 | 6.9  |
| * REBOUNDER (PICK-W43)         | 7.8 | 7.7 | 5.9 | 6.8 | 6.7 | 6.4 | 6.7 | 6.7 | 7.5 | 6.8 | 6.9  |
| MET 1                          | 7.6 | 7.6 | 5.8 | 6.8 | 6.7 | 6.5 | 6.7 | 6.8 | 7.5 | 6.8 | 6.9  |
| * TITANIUM 2LS (PPG-TF-152)    | 7.6 | 7.5 | 5.8 | 6.7 | 6.6 | 6.4 | 6.7 | 6.7 | 7.5 | 6.8 | 6.8  |
| * AVENGER II (PPG-TF-156)      | 7.4 | 7.4 | 5.7 | 6.7 | 6.7 | 6.5 | 6.7 | 6.8 | 7.5 | 6.9 | 6.8  |
| * TECHNIQUE (RZ2)              | 7.6 | 7.5 | 5.8 | 6.7 | 6.6 | 6.4 | 6.7 | 6.7 | 7.5 | 6.8 | 6.8  |
| * REFLECTION (U45)             | 7.6 | 7.5 | 5.8 | 6.7 | 6.6 | 6.4 | 6.6 | 6.7 | 7.4 | 6.8 | 6.8  |
| PPG-TF-135                     | 7.5 | 7.4 | 5.7 | 6.6 | 6.6 | 6.4 | 6.7 | 6.7 | 7.5 | 6.8 | 6.8  |
| * FAYETTE (IS-TF 291)          | 7.6 | 7.6 | 5.8 | 6.7 | 6.6 | 6.3 | 6.6 | 6.6 | 7.4 | 6.7 | 6.8  |
| * SUPERSONIC (PPG-TF-170)      | 7.4 | 7.4 | 5.7 | 6.6 | 6.6 | 6.4 | 6.7 | 6.7 | 7.5 | 6.8 | 6.8  |
| * MAESTRO (T31)                | 7.4 | 7.4 | 5.7 | 6.6 | 6.6 | 6.4 | 6.6 | 6.7 | 7.4 | 6.8 | 6.8  |
| * HEMI                         | 7.6 | 7.5 | 5.7 | 6.7 | 6.5 | 6.3 | 6.6 | 6.6 | 7.3 | 6.7 | 6.8  |
| F711                           | 7.5 | 7.4 | 5.7 | 6.6 | 6.6 | 6.4 | 6.6 | 6.6 | 7.4 | 6.7 | 6.8  |
| BIZEM                          | 7.5 | 7.4 | 5.7 | 6.6 | 6.6 | 6.4 | 6.6 | 6.6 | 7.4 | 6.7 | 6.8  |
| * ROCKWELL (LTP-TWUU)          | 7.6 | 7.5 | 5.7 | 6.7 | 6.5 | 6.3 | 6.6 | 6.6 | 7.4 | 6.7 | 6.8  |
| B23                            | 7.8 | 7.7 | 5.8 | 6.7 | 6.5 | 6.2 | 6.5 | 6.5 | 7.2 | 6.6 | 6.7  |
| PSG-PO1                        | 7.5 | 7.5 | 5.7 | 6.6 | 6.5 | 6.3 | 6.6 | 6.6 | 7.4 | 6.7 | 6.7  |
| * HOT ROD (BURL TF-136)        | 7.6 | 7.5 | 5.7 | 6.6 | 6.5 | 6.3 | 6.5 | 6.5 | 7.3 | 6.6 | 6.7  |
| * THOR (PPG-TF-157)            | 7.2 | 7.2 | 5.6 | 6.5 | 6.6 | 6.4 | 6.6 | 6.7 | 7.4 | 6.8 | 6.7  |
| * PARAMOUNT (PPG-TF-137)       | 7.4 | 7.4 | 5.6 | 6.6 | 6.5 | 6.3 | 6.6 | 6.6 | 7.3 | 6.7 | 6.7  |
| IS-TF 308 SEL                  | 7.5 | 7.4 | 5.7 | 6.6 | 6.5 | 6.3 | 6.5 | 6.6 | 7.3 | 6.7 | 6.7  |
| W41                            | 7.3 | 7.3 | 5.6 | 6.5 | 6.5 | 6.3 | 6.6 | 6.6 | 7.4 | 6.7 | 6.7  |
| * TEMPLE (DZ1)                 | 7.4 | 7.3 | 5.6 | 6.5 | 6.5 | 6.3 | 6.5 | 6.6 | 7.3 | 6.7 | 6.7  |
| MET-3                          | 7.2 | 7.2 | 5.5 | 6.5 | 6.5 | 6.3 | 6.6 | 6.6 | 7.4 | 6.8 | 6.7  |
| * FIRECRACKER SLS (PPG-TF-105) | 7.3 | 7.3 | 5.6 | 6.5 | 6.4 | 6.3 | 6.5 | 6.5 | 7.3 | 6.6 | 6.6  |
| * BLACK TAIL (PPG-TF-150)      | 7.2 | 7.2 | 5.5 | 6.5 | 6.5 | 6.3 | 6.5 | 6.6 | 7.3 | 6.7 | 6.6  |
| IS-TF 311                      | 7.2 | 7.2 | 5.5 | 6.5 | 6.5 | 6.3 | 6.5 | 6.6 | 7.3 | 6.7 | 6.6  |
| * SCREAMER LS (PPG-TF-148)     | 7.3 | 7.2 | 5.5 | 6.5 | 6.4 | 6.2 | 6.5 | 6.5 | 7.3 | 6.6 | 6.6  |
| * FIREWALL (PSG-WE1)           | 7.1 | 7.1 | 5.5 | 6.4 | 6.5 | 6.3 | 6.5 | 6.6 | 7.3 | 6.7 | 6.6  |
| * BLOODHOUND (MET 6 SEL)       | 7.2 | 7.2 | 5.5 | 6.4 | 6.4 | 6.2 | 6.5 | 6.5 | 7.3 | 6.6 | 6.6  |
| * VALKYRIE LS (PPG-TF-172)     | 7.1 | 7.1 | 5.4 | 6.4 | 6.4 | 6.3 | 6.5 | 6.5 | 7.3 | 6.7 | 6.6  |
| * GTO (BURL TF-2)              | 6.9 | 6.9 | 5.3 | 6.3 | 6.5 | 6.3 | 6.6 | 6.6 | 7.4 | 6.7 | 6.6  |
| JS 916                         | 7.2 | 7.2 | 5.5 | 6.4 | 6.4 | 6.2 | 6.4 | 6.5 | 7.2 | 6.6 | 6.6  |
| PPG-TF-169                     | 7.1 | 7.1 | 5.4 | 6.4 | 6.4 | 6.2 | 6.5 | 6.5 | 7.3 | 6.6 | 6.5  |
| * ROWDY (SRX-TPC)              | 7.2 | 7.1 | 5.4 | 6.4 | 6.4 | 6.2 | 6.4 | 6.5 | 7.2 | 6.6 | 6.5  |
| ATF 1612                       | 7.2 | 7.2 | 5.4 | 6.4 | 6.3 | 6.1 | 6.4 | 6.4 | 7.2 | 6.5 | 6.5  |
| ATF 1704                       | 7.2 | 7.1 | 5.4 | 6.4 | 6.3 | 6.1 | 6.4 | 6.4 | 7.2 | 6.5 | 6.5  |
| * CROSSFIRE 4 (IS-TF 310 SEL)  | 6.9 | 6.9 | 5.3 | 6.3 | 6.4 | 6.2 | 6.5 | 6.5 | 7.3 | 6.7 | 6.5  |
| * WICHITA (PPG-TF-151)         | 6.9 | 6.9 | 5.3 | 6.3 | 6.4 | 6.2 | 6.5 | 6.5 | 7.3 | 6.6 | 6.5  |
| * RHAMBLER 2 SRP (LSD)         | 7.0 | 7.0 | 5.3 | 6.3 | 6.3 | 6.1 | 6.4 | 6.4 | 7.2 | 6.5 | 6.5  |
| * GRANDE 3                     | 6.8 | 6.8 | 5.2 | 6.2 | 6.3 | 6.2 | 6.4 | 6.5 | 7.3 | 6.6 | 6.4  |
| * FALCON V                     | 7.1 | 7.0 | 5.3 | 6.3 | 6.3 | 6.1 | 6.3 | 6.4 | 7.1 | 6.5 | 6.4  |
| EMBRACE (PST-5EV2)             | 6.7 | 6.8 | 5.2 | 6.2 | 6.3 | 6.2 | 6.5 | 6.5 | 7.3 | 6.6 | 6.4  |
| * FIREBIRD 2                   | 6.8 | 6.8 | 5.2 | 6.2 | 6.3 | 6.1 | 6.4 | 6.4 | 7.2 | 6.6 | 6.4  |

TABLE 1. (CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/

GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*\*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME                           | PA1 | NJ1 | NJ2 | MD1 | CT1 | IL1 | CA3 | NC1 | IA1 | VA1 | MEAN |
|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| IS-TF 269 SEL                  | 6.9 | 6.9 | 5.3 | 6.2 | 6.3 | 6.1 | 6.4 | 6.4 | 7.2 | 6.5 | 6.4  |
| * DIABLO (IS-TF 330)           | 6.9 | 6.9 | 5.2 | 6.2 | 6.3 | 6.1 | 6.3 | 6.4 | 7.1 | 6.5 | 6.4  |
| * HOUND08 (IS-TF 307 SEL)      | 6.7 | 6.7 | 5.1 | 6.1 | 6.3 | 6.1 | 6.4 | 6.5 | 7.2 | 6.6 | 6.4  |
| XTENDER (PPG-TF-139)           | 6.7 | 6.8 | 5.2 | 6.2 | 6.3 | 6.1 | 6.4 | 6.4 | 7.2 | 6.5 | 6.4  |
| * CATALYST                     | 6.7 | 6.8 | 5.1 | 6.1 | 6.3 | 6.1 | 6.4 | 6.4 | 7.2 | 6.5 | 6.4  |
| * FOXHOUND (IS-TF 284 M2)      | 6.7 | 6.7 | 5.1 | 6.1 | 6.2 | 6.1 | 6.3 | 6.4 | 7.1 | 6.5 | 6.3  |
| * KINGDOM (DB1)                | 6.9 | 6.9 | 5.2 | 6.2 | 6.1 | 6.0 | 6.2 | 6.3 | 7.0 | 6.4 | 6.3  |
| * RHIZING MOON (IS-TF 305 SEL) | 6.4 | 6.5 | 5.0 | 6.0 | 6.3 | 6.1 | 6.4 | 6.5 | 7.2 | 6.6 | 6.3  |
| * FAITH                        | 6.4 | 6.5 | 5.0 | 6.0 | 6.3 | 6.1 | 6.4 | 6.5 | 7.3 | 6.6 | 6.3  |
| RAD-TF-92                      | 7.1 | 7.1 | 5.3 | 6.2 | 6.1 | 5.9 | 6.1 | 6.1 | 6.9 | 6.2 | 6.3  |
| * OLYMPUS (RAD-TF-88)          | 7.1 | 7.0 | 5.3 | 6.2 | 6.1 | 5.9 | 6.1 | 6.1 | 6.9 | 6.2 | 6.3  |
| * TURFWAY (IS-TF 282 M2)       | 6.6 | 6.7 | 5.1 | 6.1 | 6.2 | 6.0 | 6.3 | 6.3 | 7.1 | 6.5 | 6.3  |
| PPG-TF-138                     | 6.5 | 6.6 | 5.0 | 6.0 | 6.2 | 6.1 | 6.3 | 6.4 | 7.2 | 6.5 | 6.3  |
| * LEONARDO (LTP-FSD)           | 6.4 | 6.5 | 5.0 | 6.0 | 6.2 | 6.1 | 6.3 | 6.4 | 7.2 | 6.5 | 6.3  |
| * MICHELANGELO (LTP-F5DPDR)    | 6.2 | 6.4 | 4.9 | 5.9 | 6.3 | 6.1 | 6.4 | 6.5 | 7.3 | 6.6 | 6.3  |
| ATF 1754                       | 6.6 | 6.7 | 5.0 | 6.0 | 6.2 | 6.0 | 6.3 | 6.3 | 7.1 | 6.4 | 6.3  |
| * BULLSEYE                     | 6.6 | 6.6 | 5.0 | 6.0 | 6.2 | 6.0 | 6.2 | 6.3 | 7.1 | 6.4 | 6.2  |
| FESNOVA                        | 6.4 | 6.5 | 5.0 | 6.0 | 6.2 | 6.1 | 6.3 | 6.4 | 7.2 | 6.5 | 6.2  |
| * NIGHTCRAWLER (IS-TF 285)     | 6.8 | 6.8 | 5.1 | 6.1 | 6.1 | 5.9 | 6.2 | 6.2 | 7.0 | 6.3 | 6.2  |
| * HOVER (BURL TF-69)           | 6.8 | 6.8 | 5.1 | 6.1 | 6.1 | 5.9 | 6.2 | 6.2 | 7.0 | 6.3 | 6.2  |
| IS-TF-287                      | 6.7 | 6.7 | 5.1 | 6.1 | 6.1 | 5.9 | 6.2 | 6.2 | 7.0 | 6.3 | 6.2  |
| MERIDIAN (PST-5GRB)            | 6.5 | 6.6 | 5.0 | 6.0 | 6.1 | 5.9 | 6.2 | 6.2 | 7.0 | 6.4 | 6.2  |
| K12-MCD                        | 6.4 | 6.4 | 4.9 | 5.9 | 6.1 | 6.0 | 6.2 | 6.3 | 7.1 | 6.4 | 6.2  |
| * UNITUS (IS-TF 289)           | 6.3 | 6.4 | 4.9 | 5.9 | 6.1 | 6.0 | 6.3 | 6.3 | 7.1 | 6.4 | 6.2  |
| RAD-TF-89                      | 6.5 | 6.6 | 4.9 | 5.9 | 6.1 | 5.9 | 6.2 | 6.2 | 7.0 | 6.3 | 6.2  |
| K12-05                         | 6.3 | 6.4 | 4.8 | 5.8 | 6.1 | 5.9 | 6.2 | 6.2 | 7.0 | 6.4 | 6.1  |
| ATF 1736                       | 6.3 | 6.4 | 4.8 | 5.8 | 6.0 | 5.9 | 6.1 | 6.2 | 7.0 | 6.3 | 6.1  |
| PST-5MVD                       | 6.2 | 6.3 | 4.8 | 5.8 | 6.0 | 5.9 | 6.2 | 6.2 | 7.0 | 6.4 | 6.1  |
| * ARES (PPG-TF-142)            | 6.2 | 6.3 | 4.8 | 5.8 | 6.1 | 5.9 | 6.2 | 6.3 | 7.0 | 6.4 | 6.1  |
| * THUNDERSTRUCK (TD1)          | 6.1 | 6.3 | 4.7 | 5.8 | 6.1 | 5.9 | 6.2 | 6.3 | 7.1 | 6.4 | 6.1  |
| IS-TF 276 M2                   | 6.0 | 6.1 | 4.6 | 5.7 | 6.0 | 5.9 | 6.2 | 6.2 | 7.0 | 6.4 | 6.0  |
| TERRANO                        | 6.0 | 6.1 | 4.6 | 5.7 | 6.0 | 5.9 | 6.2 | 6.2 | 7.0 | 6.4 | 6.0  |
| PST-5BPO                       | 5.8 | 6.0 | 4.6 | 5.6 | 6.0 | 5.9 | 6.2 | 6.3 | 7.1 | 6.4 | 6.0  |
| * SALTILLO (PST-5SALT)         | 5.9 | 6.0 | 4.6 | 5.6 | 6.0 | 5.9 | 6.2 | 6.2 | 7.0 | 6.4 | 6.0  |
| IS-TF 272                      | 6.2 | 6.3 | 4.7 | 5.7 | 5.9 | 5.8 | 6.0 | 6.1 | 6.9 | 6.2 | 6.0  |
| * DYNAMITE LS (PPG-TF-145)     | 5.9 | 6.1 | 4.6 | 5.6 | 6.0 | 5.8 | 6.1 | 6.2 | 7.0 | 6.3 | 6.0  |
| PPG-TF-115                     | 5.6 | 5.9 | 4.5 | 5.6 | 6.0 | 5.9 | 6.2 | 6.3 | 7.1 | 6.5 | 6.0  |
| PST-5BRK                       | 5.7 | 5.9 | 4.5 | 5.6 | 6.0 | 5.9 | 6.2 | 6.3 | 7.1 | 6.4 | 6.0  |
| * CAESAR (TY 10)               | 5.7 | 5.9 | 4.4 | 5.5 | 5.9 | 5.8 | 6.1 | 6.1 | 6.9 | 6.3 | 5.9  |
| * SWAGGER (PST-5R05)           | 5.8 | 6.0 | 4.5 | 5.5 | 5.9 | 5.7 | 6.0 | 6.1 | 6.9 | 6.2 | 5.9  |
| PST-5DZP                       | 5.8 | 6.0 | 4.5 | 5.5 | 5.8 | 5.7 | 5.9 | 6.0 | 6.8 | 6.1 | 5.8  |
| JS 818                         | 6.0 | 6.1 | 4.5 | 5.5 | 5.7 | 5.6 | 5.8 | 5.9 | 6.7 | 6.0 | 5.8  |
| RAD-TF-83                      | 5.9 | 6.0 | 4.4 | 5.5 | 5.7 | 5.6 | 5.9 | 5.9 | 6.7 | 6.1 | 5.8  |
| * MEMPHIS (GO-DFR)             | 5.6 | 5.8 | 4.3 | 5.4 | 5.8 | 5.7 | 6.0 | 6.0 | 6.8 | 6.2 | 5.8  |
| * TEMPTATION (OR-21)           | 5.4 | 5.6 | 4.2 | 5.3 | 5.8 | 5.7 | 6.0 | 6.1 | 6.9 | 6.2 | 5.7  |
| BAR FA 121095                  | 5.6 | 5.8 | 4.3 | 5.4 | 5.7 | 5.6 | 5.9 | 6.0 | 6.8 | 6.1 | 5.7  |
| * RAIN DANCE (PST-5SDT)        | 5.4 | 5.6 | 4.2 | 5.3 | 5.8 | 5.7 | 6.0 | 6.1 | 6.9 | 6.2 | 5.7  |
| PST-5EX2                       | 5.2 | 5.4 | 4.1 | 5.2 | 5.8 | 5.7 | 6.0 | 6.1 | 6.9 | 6.3 | 5.7  |

TABLE 1. (CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/  
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*\*/

2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME                     | PA1 | NJ1 | NJ2 | MD1 | CT1 | IL1 | CA3 | NC1 | IA1 | VA1 | MEAN |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| PSG-GSD                  | 5.3 | 5.5 | 4.1 | 5.3 | 5.8 | 5.7 | 5.9 | 6.0 | 6.8 | 6.2 | 5.7  |
| PSG-8BP2                 | 5.4 | 5.6 | 4.2 | 5.3 | 5.7 | 5.6 | 5.9 | 6.0 | 6.8 | 6.1 | 5.7  |
| * FALCON IV              | 5.1 | 5.4 | 4.1 | 5.2 | 5.7 | 5.6 | 5.9 | 6.0 | 6.8 | 6.2 | 5.6  |
| JS 809                   | 5.5 | 5.7 | 4.2 | 5.2 | 5.6 | 5.5 | 5.7 | 5.8 | 6.6 | 6.0 | 5.6  |
| PSG-TT4                  | 5.1 | 5.4 | 4.0 | 5.1 | 5.6 | 5.6 | 5.8 | 5.9 | 6.7 | 6.1 | 5.5  |
| 204 RES. BLK4            | 5.6 | 5.7 | 4.2 | 5.2 | 5.5 | 5.4 | 5.6 | 5.7 | 6.5 | 5.8 | 5.5  |
| COMP. RES. SST           | 5.5 | 5.6 | 4.1 | 5.2 | 5.4 | 5.3 | 5.6 | 5.6 | 6.4 | 5.8 | 5.5  |
| JS 819                   | 4.9 | 5.1 | 3.8 | 5.0 | 5.6 | 5.5 | 5.8 | 5.9 | 6.7 | 6.0 | 5.4  |
| BAR FA 121089            | 5.0 | 5.3 | 3.9 | 5.0 | 5.5 | 5.4 | 5.7 | 5.7 | 6.6 | 5.9 | 5.4  |
| * INSPIRATION (PST-R5NW) | 4.7 | 5.0 | 3.8 | 4.9 | 5.5 | 5.5 | 5.8 | 5.9 | 6.7 | 6.0 | 5.4  |
| K12-13                   | 5.1 | 5.3 | 3.9 | 5.0 | 5.4 | 5.3 | 5.6 | 5.7 | 6.5 | 5.8 | 5.4  |
| BAR FA 121091            | 4.8 | 5.1 | 3.8 | 4.9 | 5.4 | 5.4 | 5.6 | 5.7 | 6.5 | 5.9 | 5.3  |
| * ANNIHILATOR            | 5.1 | 5.3 | 3.9 | 4.9 | 5.3 | 5.2 | 5.5 | 5.6 | 6.4 | 5.7 | 5.3  |
| * MARAUDER               | 4.9 | 5.1 | 3.8 | 4.9 | 5.3 | 5.2 | 5.5 | 5.6 | 6.4 | 5.8 | 5.3  |
| * AQUADUCT               | 4.6 | 4.9 | 3.6 | 4.8 | 5.4 | 5.3 | 5.6 | 5.7 | 6.5 | 5.9 | 5.2  |
| * FRONTLINE (EXP TF-09)  | 4.5 | 4.8 | 3.6 | 4.7 | 5.4 | 5.4 | 5.7 | 5.8 | 6.6 | 5.9 | 5.2  |
| JS 825                   | 4.2 | 4.6 | 3.4 | 4.5 | 5.3 | 5.2 | 5.5 | 5.6 | 6.5 | 5.8 | 5.1  |
| * WARHAWK                | 4.1 | 4.5 | 3.3 | 4.5 | 5.3 | 5.2 | 5.5 | 5.6 | 6.4 | 5.8 | 5.0  |
| BAR FA 120878            | 2.4 | 3.0 | 2.1 | 3.4 | 4.6 | 4.6 | 4.9 | 5.1 | 5.9 | 5.3 | 4.1  |
| * KY-31                  | 1.2 | 1.8 | 0.9 | 2.2 | 3.5 | 3.5 | 3.8 | 4.0 | 4.9 | 4.2 | 3.0  |
| LSD VALUE                | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8  |
| C.V. (%)                 | 7.5 | 7.4 | 9.8 | 8.1 | 7.9 | 8.1 | 7.7 | 7.7 | 6.8 | 7.5 | 7.8  |

\* COMMERCIALY AVAILABLE IN THE USA IN 2016

\*\* 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](http://WWW.NTEP.ORG/LPI_Q&A.PDF)

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

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

TABLE 2.

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/  
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME                         | KY1 | NE1 | M01 | IN1 | GA1 | MS1 | TN1 | MEAN |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|------|
| AVENGER II (PPG-TF-156)      | 7.6 | 5.9 | 6.4 | 6.2 | 5.6 | 6.5 | 8.3 | 6.6  |
| AMITY (CCR2)                 | 7.6 | 5.8 | 6.3 | 6.2 | 5.6 | 6.4 | 8.2 | 6.6  |
| MET 1                        | 7.6 | 5.8 | 6.3 | 6.2 | 5.6 | 6.4 | 8.2 | 6.6  |
| 4TH MILLENNIUM SRP (U43)     | 7.6 | 5.8 | 6.3 | 6.2 | 5.6 | 6.4 | 8.1 | 6.6  |
| TRAVERSE 2 SRP (W45)         | 7.6 | 5.8 | 6.3 | 6.2 | 5.5 | 6.4 | 8.2 | 6.6  |
| TITANIUM 2LS (PPG-TF-152)    | 7.6 | 5.8 | 6.3 | 6.2 | 5.6 | 6.4 | 8.2 | 6.6  |
| THOR (PPG-TF-157)            | 7.6 | 5.8 | 6.3 | 6.1 | 5.6 | 6.4 | 8.2 | 6.6  |
| PPG-TF-135                   | 7.6 | 5.8 | 6.3 | 6.1 | 5.5 | 6.4 | 8.2 | 6.6  |
| SUPERSONIC (PPG-TF-170)      | 7.6 | 5.8 | 6.3 | 6.1 | 5.5 | 6.4 | 8.2 | 6.6  |
| TECHNIQUE (RZ2)              | 7.6 | 5.8 | 6.3 | 6.1 | 5.5 | 6.4 | 8.2 | 6.5  |
| GTO (BURL TF-2)              | 7.5 | 5.7 | 6.2 | 6.1 | 5.6 | 6.4 | 8.2 | 6.5  |
| REGENERATE                   | 7.6 | 5.8 | 6.3 | 6.1 | 5.5 | 6.3 | 8.1 | 6.5  |
| MAESTRO (T31)                | 7.5 | 5.8 | 6.3 | 6.1 | 5.5 | 6.4 | 8.2 | 6.5  |
| MET-3                        | 7.5 | 5.7 | 6.2 | 6.1 | 5.5 | 6.4 | 8.2 | 6.5  |
| REBOUNDER (PICK-W43)         | 7.5 | 5.8 | 6.3 | 6.1 | 5.5 | 6.3 | 8.1 | 6.5  |
| RAPTOR III (ZW 44)           | 7.5 | 5.7 | 6.3 | 6.1 | 5.5 | 6.3 | 8.1 | 6.5  |
| REFLECTION (U45)             | 7.5 | 5.7 | 6.2 | 6.1 | 5.5 | 6.3 | 8.1 | 6.5  |
| W41                          | 7.5 | 5.7 | 6.2 | 6.1 | 5.5 | 6.3 | 8.1 | 6.5  |
| F711                         | 7.5 | 5.7 | 6.2 | 6.1 | 5.5 | 6.3 | 8.1 | 6.5  |
| BIZEM                        | 7.5 | 5.7 | 6.2 | 6.1 | 5.5 | 6.3 | 8.1 | 6.5  |
| MICHELANGELO (LTP-F5DPDR)    | 7.4 | 5.6 | 6.1 | 6.0 | 5.5 | 6.4 | 8.2 | 6.5  |
| FIREWALL (PSG-WE1)           | 7.5 | 5.7 | 6.2 | 6.0 | 5.5 | 6.3 | 8.1 | 6.5  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 7.4 | 5.6 | 6.1 | 6.0 | 5.5 | 6.3 | 8.1 | 6.4  |
| FAITH                        | 7.4 | 5.6 | 6.1 | 6.0 | 5.5 | 6.3 | 8.2 | 6.4  |
| IS-TF 311                    | 7.4 | 5.7 | 6.2 | 6.0 | 5.4 | 6.3 | 8.1 | 6.4  |
| BLACK TAIL (PPG-TF-150)      | 7.4 | 5.7 | 6.2 | 6.0 | 5.4 | 6.3 | 8.1 | 6.4  |
| EMBRACE (PST-5EV2)           | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.3 | 8.1 | 6.4  |
| VALKYRIE LS (PPG-TF-172)     | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.3 | 8.1 | 6.4  |
| PSG-P01                      | 7.5 | 5.7 | 6.2 | 6.0 | 5.4 | 6.3 | 8.0 | 6.4  |
| FAYETTE (IS-TF 291)          | 7.5 | 5.7 | 6.2 | 6.0 | 5.4 | 6.3 | 8.0 | 6.4  |
| RHIZING MOON (IS-TF 305 SEL) | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.3 | 8.2 | 6.4  |
| PARAMOUNT (PPG-TF-137)       | 7.4 | 5.6 | 6.2 | 6.0 | 5.4 | 6.3 | 8.0 | 6.4  |
| ROCKWELL (LTP-TWUU)          | 7.4 | 5.7 | 6.2 | 6.0 | 5.4 | 6.2 | 8.0 | 6.4  |
| WICHITA (PPG-TF-151)         | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.3 | 8.1 | 6.4  |
| HEMI                         | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.2 | 8.0 | 6.4  |
| TEMPLE (DZ1)                 | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.2 | 8.0 | 6.4  |
| GRANDE 3                     | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.3 | 8.1 | 6.4  |
| PPG-TF-169                   | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.3 | 8.0 | 6.4  |
| IS-TF 308 SEL                | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.2 | 8.0 | 6.4  |
| HOUNDOG8 (IS-TF 307 SEL)     | 7.4 | 5.6 | 6.1 | 5.9 | 5.4 | 6.3 | 8.1 | 6.4  |
| FIRECRACKER SLS (PPG-TF-105) | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.2 | 8.0 | 6.4  |
| SCREAMER LS (PPG-TF-148)     | 7.4 | 5.6 | 6.1 | 6.0 | 5.4 | 6.2 | 8.0 | 6.4  |
| LEONARDO (LTP-FSD)           | 7.3 | 5.5 | 6.1 | 5.9 | 5.4 | 6.3 | 8.1 | 6.4  |
| BLOODHOUND (MET 6 SEL)       | 7.4 | 5.6 | 6.1 | 5.9 | 5.4 | 6.2 | 8.0 | 6.4  |
| FIREBIRD 2                   | 7.3 | 5.5 | 6.1 | 5.9 | 5.4 | 6.2 | 8.0 | 6.4  |
| HOT ROD (BURL TF-136)        | 7.4 | 5.6 | 6.1 | 5.9 | 5.3 | 6.2 | 7.9 | 6.3  |
| XTENDER (PPG-TF-139)         | 7.3 | 5.5 | 6.0 | 5.9 | 5.3 | 6.2 | 8.0 | 6.3  |
| PPG-TF-115                   | 7.3 | 5.5 | 6.0 | 5.8 | 5.4 | 6.3 | 8.1 | 6.3  |

TABLE 2. (CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/

GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME                     | KY1 | NE1 | M01 | IN1 | GA1 | MS1 | TN1 | MEAN |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|------|
| PPG-TF-138               | 7.3 | 5.5 | 6.0 | 5.9 | 5.3 | 6.2 | 8.0 | 6.3  |
| FESNOVA                  | 7.3 | 5.5 | 6.0 | 5.9 | 5.3 | 6.2 | 8.0 | 6.3  |
| CATALYST                 | 7.3 | 5.5 | 6.0 | 5.9 | 5.3 | 6.2 | 8.0 | 6.3  |
| JS 916                   | 7.3 | 5.5 | 6.0 | 5.9 | 5.3 | 6.2 | 7.9 | 6.3  |
| ROWDY (SRX-TPC)          | 7.3 | 5.5 | 6.0 | 5.9 | 5.3 | 6.2 | 7.9 | 6.3  |
| PST-5BRK                 | 7.2 | 5.4 | 6.0 | 5.8 | 5.3 | 6.3 | 8.1 | 6.3  |
| RHAMBLER 2 SRP (LSD)     | 7.3 | 5.5 | 6.0 | 5.9 | 5.3 | 6.2 | 8.0 | 6.3  |
| IS-TF 269 SEL            | 7.3 | 5.5 | 6.0 | 5.8 | 5.3 | 6.1 | 7.9 | 6.3  |
| UNITUS (IS-TF 289)       | 7.2 | 5.4 | 6.0 | 5.8 | 5.3 | 6.2 | 8.0 | 6.3  |
| FOXHOUND (IS-TF 284 M2)  | 7.3 | 5.5 | 6.0 | 5.8 | 5.3 | 6.1 | 7.9 | 6.3  |
| PST-5BPO                 | 7.2 | 5.4 | 5.9 | 5.8 | 5.3 | 6.2 | 8.0 | 6.3  |
| B23                      | 7.3 | 5.5 | 6.0 | 5.9 | 5.2 | 6.1 | 7.8 | 6.3  |
| DIABLO (IS-TF 330)       | 7.3 | 5.5 | 6.0 | 5.8 | 5.3 | 6.1 | 7.9 | 6.3  |
| ATF 1704                 | 7.3 | 5.5 | 6.0 | 5.8 | 5.3 | 6.1 | 7.9 | 6.3  |
| ATF 1612                 | 7.3 | 5.5 | 6.0 | 5.8 | 5.3 | 6.1 | 7.9 | 6.3  |
| TURFWAY (IS-TF 282 M2)   | 7.2 | 5.4 | 6.0 | 5.8 | 5.3 | 6.1 | 7.9 | 6.3  |
| K12-MCD                  | 7.2 | 5.4 | 5.9 | 5.8 | 5.3 | 6.1 | 8.0 | 6.3  |
| SALTILLO (PST-5SALT)     | 7.2 | 5.4 | 5.9 | 5.8 | 5.3 | 6.2 | 8.0 | 6.2  |
| IS-TF 276 M2             | 7.2 | 5.4 | 5.9 | 5.8 | 5.3 | 6.2 | 8.0 | 6.2  |
| TERRANO                  | 7.2 | 5.4 | 5.9 | 5.8 | 5.3 | 6.2 | 8.0 | 6.2  |
| THUNDERSTRUCK (TD1)      | 7.2 | 5.4 | 5.9 | 5.8 | 5.3 | 6.1 | 8.0 | 6.2  |
| ARES (PPG-TF-142)        | 7.2 | 5.4 | 5.9 | 5.8 | 5.3 | 6.1 | 8.0 | 6.2  |
| ATF 1754                 | 7.2 | 5.4 | 5.9 | 5.8 | 5.2 | 6.1 | 7.9 | 6.2  |
| FALCON V                 | 7.2 | 5.4 | 5.9 | 5.8 | 5.2 | 6.1 | 7.8 | 6.2  |
| BULLSEYE                 | 7.2 | 5.4 | 5.9 | 5.8 | 5.2 | 6.1 | 7.9 | 6.2  |
| K12-05                   | 7.1 | 5.4 | 5.9 | 5.7 | 5.2 | 6.1 | 7.9 | 6.2  |
| DYNAMITE LS (PPG-TF-145) | 7.1 | 5.3 | 5.8 | 5.7 | 5.2 | 6.1 | 7.9 | 6.2  |
| PST-5MVD                 | 7.1 | 5.4 | 5.9 | 5.7 | 5.2 | 6.1 | 7.9 | 6.2  |
| PST-5EX2                 | 7.1 | 5.3 | 5.8 | 5.7 | 5.2 | 6.1 | 8.0 | 6.2  |
| MERIDIAN (PST-5GRB)      | 7.1 | 5.4 | 5.9 | 5.7 | 5.2 | 6.1 | 7.9 | 6.2  |
| CAESAR (TY 10)           | 7.1 | 5.3 | 5.8 | 5.7 | 5.2 | 6.1 | 7.9 | 6.2  |
| ATF 1736                 | 7.1 | 5.3 | 5.8 | 5.7 | 5.2 | 6.0 | 7.8 | 6.1  |
| RAD-TF-89                | 7.1 | 5.3 | 5.8 | 5.7 | 5.1 | 6.0 | 7.8 | 6.1  |
| KINGDOM (DB1)            | 7.1 | 5.3 | 5.8 | 5.7 | 5.1 | 6.0 | 7.8 | 6.1  |
| IS-TF-287                | 7.1 | 5.3 | 5.8 | 5.7 | 5.1 | 6.0 | 7.8 | 6.1  |
| TEMPTATION (OR-21)       | 7.0 | 5.2 | 5.8 | 5.6 | 5.1 | 6.1 | 7.9 | 6.1  |
| FALCON IV                | 7.0 | 5.2 | 5.7 | 5.6 | 5.2 | 6.1 | 7.9 | 6.1  |
| RAIN DANCE (PST-5SDT)    | 7.0 | 5.2 | 5.7 | 5.6 | 5.1 | 6.1 | 7.9 | 6.1  |
| HOVER (BURL TF-69)       | 7.1 | 5.3 | 5.8 | 5.7 | 5.1 | 6.0 | 7.8 | 6.1  |
| PSG-GSD                  | 7.0 | 5.2 | 5.7 | 5.6 | 5.1 | 6.1 | 7.9 | 6.1  |
| NIGHTCRAWLER (IS-TF 285) | 7.1 | 5.3 | 5.8 | 5.7 | 5.1 | 6.0 | 7.7 | 6.1  |
| SWAGGER (PST-5R05)       | 7.0 | 5.2 | 5.7 | 5.6 | 5.1 | 6.0 | 7.8 | 6.1  |
| MEMPHIS (GO-DFR)         | 7.0 | 5.2 | 5.7 | 5.6 | 5.1 | 6.0 | 7.8 | 6.1  |
| IS-TF 272                | 7.0 | 5.2 | 5.7 | 5.6 | 5.0 | 5.9 | 7.7 | 6.0  |
| PSG-8BP2                 | 6.9 | 5.1 | 5.7 | 5.5 | 5.0 | 5.9 | 7.8 | 6.0  |
| PST-5DZP                 | 6.9 | 5.2 | 5.7 | 5.5 | 5.0 | 5.9 | 7.7 | 6.0  |
| PSG-TT4                  | 6.9 | 5.1 | 5.6 | 5.5 | 5.0 | 5.9 | 7.8 | 6.0  |
| JS 819                   | 6.9 | 5.1 | 5.6 | 5.5 | 5.0 | 5.9 | 7.8 | 6.0  |

TABLE 2. (CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/  
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/



2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME                   | KY1 | NE1 | M01 | IN1 | GA1 | MS1 | TN1 | MEAN |
|------------------------|-----|-----|-----|-----|-----|-----|-----|------|
| INSPIRATION (PST-R5NW) | 6.9 | 5.1 | 5.6 | 5.4 | 5.0 | 5.9 | 7.8 | 6.0  |
| BAR FA 121095          | 6.9 | 5.1 | 5.6 | 5.5 | 5.0 | 5.9 | 7.7 | 6.0  |
| OLYMPUS (RAD-TF-88)    | 7.0 | 5.2 | 5.7 | 5.5 | 4.9 | 5.8 | 7.5 | 5.9  |
| RAD-TF-92              | 7.0 | 5.2 | 5.7 | 5.5 | 4.9 | 5.8 | 7.5 | 5.9  |
| FRONTLINE (EXP TF-09)  | 6.8 | 5.0 | 5.5 | 5.4 | 5.0 | 5.9 | 7.8 | 5.9  |
| RAD-TF-83              | 6.8 | 5.1 | 5.6 | 5.4 | 4.9 | 5.8 | 7.6 | 5.9  |
| AQUADUCT               | 6.7 | 4.9 | 5.5 | 5.3 | 4.9 | 5.8 | 7.7 | 5.8  |
| JS 818                 | 6.8 | 5.0 | 5.5 | 5.4 | 4.8 | 5.7 | 7.5 | 5.8  |
| BAR FA 121091          | 6.7 | 4.9 | 5.5 | 5.3 | 4.9 | 5.8 | 7.7 | 5.8  |
| JS 809                 | 6.8 | 5.0 | 5.5 | 5.3 | 4.8 | 5.7 | 7.6 | 5.8  |
| JS 825                 | 6.7 | 4.9 | 5.4 | 5.3 | 4.9 | 5.8 | 7.7 | 5.8  |
| BAR FA 121089          | 6.7 | 4.9 | 5.4 | 5.3 | 4.8 | 5.8 | 7.6 | 5.8  |
| WARHAWK                | 6.6 | 4.9 | 5.4 | 5.2 | 4.9 | 5.8 | 7.7 | 5.8  |
| K12-13                 | 6.6 | 4.8 | 5.3 | 5.2 | 4.7 | 5.6 | 7.5 | 5.7  |
| MARAUDER               | 6.6 | 4.8 | 5.3 | 5.2 | 4.7 | 5.6 | 7.5 | 5.7  |
| 204 RES. BLK4          | 6.6 | 4.8 | 5.3 | 5.2 | 4.7 | 5.6 | 7.4 | 5.6  |
| ANNIHILATOR            | 6.5 | 4.8 | 5.3 | 5.1 | 4.6 | 5.5 | 7.4 | 5.6  |
| COMP. RES. SST         | 6.6 | 4.8 | 5.3 | 5.1 | 4.6 | 5.5 | 7.3 | 5.6  |
| BAR FA 120878          | 6.2 | 4.4 | 4.9 | 4.8 | 4.5 | 5.5 | 7.5 | 5.4  |
| KY-31                  | 5.1 | 3.3 | 3.9 | 3.7 | 3.4 | 4.4 | 6.4 | 4.3  |
| LSD VALUE              | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8  |
| C.V. (%)               | 6.7 | 8.9 | 8.1 | 8.3 | 9.2 | 7.9 | 6.1 | 7.7  |

\* 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](http://WWW.NTEP.ORG/LPI_Q&A.PDF)

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

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

TABLE 3.

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/  
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 \*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME                         | OK1 | NAME                         | OK1 |
|------------------------------|-----|------------------------------|-----|
| MICHELANGELO (LTP-F5DPDR)    | 4.6 | ARES (PPG-TF-142)            | 4.4 |
| PPG-TF-115                   | 4.6 | F711                         | 4.4 |
| GTO (BURL TF-2)              | 4.6 | INSPIRATION (PST-R5NW)       | 4.4 |
| FAITH                        | 4.6 | PPG-TF-169                   | 4.4 |
| AVENGER II (PPG-TF-156)      | 4.6 | BIZEM                        | 4.4 |
| PST-5BRK                     | 4.6 | DYNAMITE LS (PPG-TF-145)     | 4.3 |
| RHIZING MOON (IS-TF 305 SEL) | 4.5 | 4TH MILLENNIUM SRP (U43)     | 4.3 |
| PST-5EX2                     | 4.5 | K12-MCD                      | 4.3 |
| THOR (PPG-TF-157)            | 4.5 | CATALYST                     | 4.3 |
| EMBRACE (PST-5EV2)           | 4.5 | JS 819                       | 4.3 |
| MET-3                        | 4.5 | REBOUNDER (PICK-W43)         | 4.3 |
| PST-5BPO                     | 4.5 | FRONTLINE (EXP TF-09)        | 4.3 |
| LEONARDO (LTP-FSD)           | 4.5 | RAPTOR III (ZW 44)           | 4.3 |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 4.5 | PARAMOUNT (PPG-TF-137)       | 4.3 |
| PPG-TF-135                   | 4.5 | PSG-P01                      | 4.3 |
| SUPERSONIC (PPG-TF-170)      | 4.5 | REGENERATE                   | 4.3 |
| MET 1                        | 4.5 | TEMPLE (DZ1)                 | 4.3 |
| TITANIUM 2LS (PPG-TF-152)    | 4.5 | PSG-TT4                      | 4.3 |
| SALTILLO (PST-5SALT)         | 4.4 | FOXHOUND (IS-TF 284 M2)      | 4.3 |
| FALCON IV                    | 4.4 | TURFWAY (IS-TF 282 M2)       | 4.3 |
| MAESTRO (T31)                | 4.4 | SCREAMER LS (PPG-TF-148)     | 4.3 |
| TECHNIQUE (RZ2)              | 4.4 | JS 825                       | 4.3 |
| HOUNDOG8 (IS-TF 307 SEL)     | 4.4 | BLOODHOUND (MET 6 SEL)       | 4.3 |
| GRANDE 3                     | 4.4 | PST-5MVD                     | 4.3 |
| W41                          | 4.4 | WARHAWK                      | 4.3 |
| FIREWALL (PSG-WE1)           | 4.4 | K12-05                       | 4.3 |
| TERRANO                      | 4.4 | FIRECRACKER SLS (PPG-TF-105) | 4.3 |
| PPG-TF-138                   | 4.4 | ROCKWELL (LTP-TWUU)          | 4.3 |
| WICHITA (PPG-TF-151)         | 4.4 | FAYETTE (IS-TF 291)          | 4.3 |
| FESNOVA                      | 4.4 | MEMPHIS (GO-DFR)             | 4.3 |
| IS-TF 276 M2                 | 4.4 | RHAMBLER 2 SRP (LSD)         | 4.3 |
| VALKYRIE LS (PPG-TF-172)     | 4.4 | IS-TF 308 SEL                | 4.3 |
| PSG-GSD                      | 4.4 | ATF 1754                     | 4.3 |
| TRAVERSE 2 SRP (W45)         | 4.4 | PSG-8BP2                     | 4.2 |
| CAESAR (TY 10)               | 4.4 | IS-TF 269 SEL                | 4.2 |
| IS-TF 311                    | 4.4 | HEMI                         | 4.2 |
| UNITUS (IS-TF 289)           | 4.4 | DIABLO (IS-TF 330)           | 4.2 |
| AMITY (CCR2)                 | 4.4 | AQUADUCT                     | 4.2 |
| RAIN DANCE (PST-5SDT)        | 4.4 | BULLSEYE                     | 4.2 |
| TEMPTATION (OR-21)           | 4.4 | ROWDY (SRX-TPC)              | 4.2 |
| BLACK TAIL (PPG-TF-150)      | 4.4 | SWAGGER (PST-5R05)           | 4.2 |
| THUNDERSTRUCK (TD1)          | 4.4 | JS 916                       | 4.2 |
| XTENDER (PPG-TF-139)         | 4.4 | ATF 1736                     | 4.2 |
| REFLECTION (U45)             | 4.4 | MERIDIAN (PST-5GRB)          | 4.2 |
| FIREBIRD 2                   | 4.4 | BAR FA 120878                | 4.2 |

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/  
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 \*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME                     | OK1  |
|--------------------------|------|
| HOT ROD (BURL TF-136)    | 4.2  |
| ATF 1704                 | 4.2  |
| RAD-TF-89                | 4.2  |
| ATF 1612                 | 4.2  |
| BAR FA 121091            | 4.1  |
| BAR FA 121095            | 4.1  |
| PST-5DZP                 | 4.1  |
| FALCON V                 | 4.1  |
| BAR FA 121089            | 4.1  |
| IS-TF-287                | 4.1  |
| IS-TF 272                | 4.1  |
| HOVER (BURL TF-69)       | 4.1  |
| NIGHTCRAWLER (IS-TF 285) | 4.1  |
| KINGDOM (DB1)            | 4.1  |
| B23                      | 4.0  |
| RAD-TF-83                | 4.0  |
| JS 809                   | 4.0  |
| MARAUDER                 | 3.9  |
| K12-13                   | 3.9  |
| JS 818                   | 3.9  |
| ANNIHILATOR              | 3.8  |
| OLYMPUS (RAD-TF-88)      | 3.8  |
| 204 RES. BLK4            | 3.8  |
| RAD-TF-92                | 3.8  |
| COMP. RES. SST           | 3.7  |
| KY-31                    | 3.2  |
| LSD VALUE                | 0.8  |
| C.V. (%)                 | 11.2 |

\* 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](http://WWW.NTEP.ORG/LPI_Q&A.PDF)

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

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

TABLE 4.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 GROWN AT TWELVE LOCATIONS IN THE U.S. 1/  
 MAINTAINED USING "SCHEDULE A" \*\*  
 2015 DATA

| NAME                         | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |     |     |     |     |     |     |     |     |     |     |     |      |
|------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                              | CA3  | GA1 | IA1 | MD1 | MS1 | NC1 | NE1 | NJ1 | NJ2 | PA1 | OK1 | TN1 | MEAN |
| AMITY (CCR2)                 | 6.6  | 5.5 | 7.5 | 7.0 | 6.3 | 7.1 | 5.8 | 7.6 | 6.4 | 8.0 | 4.4 | 8.1 | 6.7  |
| REGENERATE                   | 6.7  | 5.6 | 7.8 | 7.6 | 6.3 | 6.5 | 5.9 | 7.1 | 6.9 | 7.9 | 4.1 | 7.7 | 6.7  |
| 4TH MILLENNIUM SRP (U43)     | 7.2  | 4.9 | 7.6 | 7.0 | 6.1 | 7.2 | 5.7 | 7.9 | 6.2 | 7.9 | 4.1 | 8.1 | 6.7  |
| TRAVERSE 2 SRP (W45)         | 6.2  | 5.5 | 7.8 | 7.1 | 6.3 | 7.2 | 5.9 | 7.2 | 6.1 | 8.2 | 4.4 | 7.8 | 6.6  |
| TECHNIQUE (RZ2)              | 7.2  | 5.6 | 7.3 | 7.0 | 6.3 | 7.4 | 5.7 | 7.4 | 5.4 | 7.8 | 4.8 | 7.8 | 6.6  |
| MET 1                        | 6.8  | 5.9 | 7.5 | 6.8 | 6.3 | 7.1 | 5.7 | 7.4 | 5.6 | 7.8 | 4.5 | 7.8 | 6.6  |
| AVENGER II (PPG-TF-156)      | 6.0  | 5.8 | 7.1 | 6.8 | 6.5 | 6.6 | 6.0 | 7.4 | 5.8 | 7.7 | 5.3 | 8.3 | 6.6  |
| REBOUNDER (PICK-W43)         | 7.1  | 5.4 | 7.6 | 7.1 | 6.2 | 6.5 | 5.7 | 6.9 | 6.4 | 7.9 | 4.3 | 8.1 | 6.6  |
| RAPTOR III (ZW 44)           | 6.2  | 5.1 | 7.5 | 7.1 | 6.4 | 7.1 | 5.8 | 7.1 | 5.8 | 8.2 | 4.2 | 8.0 | 6.5  |
| MAESTRO (T31)                | 7.0  | 5.6 | 7.2 | 7.1 | 6.3 | 6.6 | 5.7 | 7.3 | 5.3 | 7.6 | 4.8 | 7.9 | 6.5  |
| SUPERSONIC (PPG-TF-170)      | 6.6  | 5.9 | 6.9 | 6.9 | 6.3 | 6.6 | 5.8 | 7.1 | 5.9 | 7.4 | 4.8 | 8.0 | 6.5  |
| ROCKWELL (LTP-TWUU)          | 6.8  | 5.3 | 7.3 | 6.8 | 6.3 | 6.9 | 5.7 | 7.6 | 5.8 | 7.3 | 4.1 | 8.2 | 6.5  |
| BIZEM                        | 6.4  | 5.8 | 7.8 | 6.7 | 6.3 | 6.7 | 5.7 | 7.8 | 5.2 | 7.4 | 4.1 | 8.2 | 6.5  |
| TITANIUM 2LS (PPG-TF-152)    | 6.5  | 6.1 | 7.1 | 6.3 | 6.1 | 7.2 | 5.5 | 7.1 | 5.9 | 7.8 | 4.2 | 8.1 | 6.5  |
| REFLECTION (U45)             | 6.7  | 5.9 | 7.4 | 6.7 | 6.0 | 6.4 | 5.7 | 7.4 | 5.7 | 7.7 | 4.3 | 8.1 | 6.5  |
| PPG-TF-135                   | 6.3  | 5.5 | 7.6 | 6.8 | 6.4 | 6.8 | 5.5 | 7.3 | 5.9 | 7.3 | 4.7 | 7.9 | 6.5  |
| FAYETTE (IS-TF 291)          | 6.4  | 5.4 | 7.7 | 6.5 | 6.1 | 5.9 | 5.6 | 7.4 | 6.0 | 7.9 | 4.7 | 8.1 | 6.5  |
| TEMPLE (DZ1)                 | 6.9  | 5.3 | 7.3 | 6.7 | 6.3 | 6.3 | 5.9 | 7.8 | 5.6 | 7.1 | 4.4 | 8.1 | 6.5  |
| PARAMOUNT (PPG-TF-137)       | 6.6  | 5.4 | 7.1 | 6.7 | 6.3 | 6.9 | 5.6 | 7.0 | 5.9 | 7.7 | 4.7 | 7.9 | 6.5  |
| THOR (PPG-TF-157)            | 6.5  | 5.3 | 7.7 | 6.5 | 6.4 | 6.4 | 5.5 | 7.2 | 6.4 | 6.8 | 4.9 | 8.0 | 6.5  |
| F711                         | 6.4  | 5.1 | 7.3 | 6.5 | 6.1 | 7.3 | 5.3 | 7.9 | 5.3 | 7.4 | 4.7 | 8.2 | 6.5  |
| HOT ROD (BURL TF-136)        | 6.6  | 5.0 | 7.5 | 7.0 | 6.0 | 7.0 | 5.6 | 6.8 | 5.7 | 8.1 | 4.3 | 8.0 | 6.5  |
| PSG-PO1                      | 6.9  | 5.4 | 7.4 | 6.8 | 6.3 | 6.6 | 5.8 | 6.7 | 5.8 | 7.8 | 3.8 | 7.9 | 6.4  |
| IS-TF 308 SEL                | 5.8  | 5.8 | 6.9 | 6.6 | 6.2 | 6.7 | 5.9 | 7.1 | 5.4 | 8.1 | 4.5 | 8.1 | 6.4  |
| HEMI                         | 6.4  | 5.8 | 7.4 | 6.6 | 6.2 | 6.5 | 5.6 | 6.9 | 5.4 | 8.3 | 4.3 | 7.8 | 6.4  |
| MET-3                        | 6.8  | 5.3 | 7.1 | 6.7 | 6.3 | 7.2 | 5.7 | 6.9 | 5.8 | 7.0 | 4.4 | 8.0 | 6.4  |
| FIRECRACKER SLS (PPG-TF-105) | 6.5  | 5.3 | 7.3 | 6.5 | 6.0 | 6.8 | 5.5 | 7.9 | 5.7 | 6.8 | 4.3 | 8.3 | 6.4  |
| GTO (BURL TF-2)              | 6.7  | 6.1 | 7.3 | 6.6 | 6.1 | 6.6 | 5.6 | 6.6 | 5.3 | 7.1 | 4.6 | 8.3 | 6.4  |
| SCREAMER LS (PPG-TF-148)     | 7.0  | 5.4 | 7.1 | 6.4 | 6.3 | 6.5 | 5.5 | 7.0 | 5.3 | 7.7 | 4.4 | 8.0 | 6.4  |
| BLACK TAIL (PPG-TF-150)      | 6.9  | 5.2 | 7.4 | 6.3 | 6.3 | 6.7 | 5.7 | 7.3 | 5.4 | 7.1 | 4.5 | 7.9 | 6.4  |
| VALKYRIE LS (PPG-TF-172)     | 6.2  | 5.3 | 7.2 | 6.5 | 6.4 | 6.9 | 5.7 | 7.5 | 5.6 | 6.7 | 4.6 | 8.1 | 6.4  |
| IS-TF 311                    | 7.0  | 5.6 | 7.0 | 6.6 | 6.0 | 6.5 | 5.4 | 7.0 | 5.5 | 7.2 | 4.6 | 7.9 | 6.4  |
| W41                          | 6.5  | 5.4 | 7.4 | 6.6 | 6.3 | 6.4 | 5.6 | 7.4 | 5.0 | 7.3 | 4.3 | 8.0 | 6.3  |
| B23                          | 6.4  | 4.2 | 7.6 | 6.6 | 6.0 | 6.4 | 5.8 | 7.6 | 6.1 | 7.6 | 3.9 | 8.0 | 6.3  |
| WICHITA (PPG-TF-151)         | 6.3  | 5.8 | 7.1 | 6.3 | 6.3 | 6.9 | 5.3 | 7.6 | 5.3 | 6.3 | 4.6 | 8.1 | 6.3  |
| FIREWALL (PSG-WE1)           | 6.8  | 5.2 | 6.8 | 6.5 | 6.3 | 6.5 | 5.8 | 6.1 | 5.7 | 7.7 | 4.1 | 8.3 | 6.3  |
| JS 916                       | 6.4  | 5.4 | 7.2 | 6.5 | 6.3 | 6.4 | 5.6 | 7.3 | 5.1 | 7.4 | 4.2 | 7.9 | 6.3  |
| EMBRACE (PST-5EV2)           | 6.3  | 5.9 | 7.2 | 6.3 | 6.1 | 6.2 | 5.3 | 7.5 | 5.1 | 6.4 | 5.6 | 7.8 | 6.3  |
| PPG-TF-169                   | 6.4  | 5.8 | 7.2 | 6.5 | 6.3 | 6.9 | 5.5 | 6.9 | 4.9 | 7.4 | 4.3 | 7.7 | 6.3  |
| ROWDY (SRX-TPC)              | 6.4  | 5.1 | 6.9 | 6.8 | 6.0 | 6.5 | 5.5 | 7.5 | 5.5 | 6.7 | 4.6 | 8.2 | 6.3  |
| ATF 1612                     | 6.9  | 5.5 | 7.4 | 6.4 | 6.4 | 6.0 | 5.4 | 7.1 | 5.6 | 7.1 | 3.7 | 8.0 | 6.3  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 6.4  | 5.6 | 6.7 | 6.2 | 6.3 | 6.2 | 5.5 | 6.9 | 5.5 | 7.0 | 5.2 | 8.0 | 6.3  |
| ATF 1704                     | 6.6  | 5.9 | 6.4 | 6.0 | 6.3 | 6.6 | 5.4 | 7.9 | 5.0 | 7.1 | 4.1 | 8.1 | 6.3  |
| BLOODHOUND (MET 6 SEL)       | 6.3  | 5.3 | 7.1 | 6.8 | 5.9 | 6.7 | 5.8 | 7.0 | 5.3 | 7.1 | 4.0 | 7.9 | 6.3  |

TABLE 4. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 GROWN AT TWELVE LOCATIONS IN THE U.S. 1/  
 MAINTAINED USING "SCHEDULE A" \*\*  
 2015 DATA

| NAME                         | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |     |     |     |     |     |     |     |     |     |     |     |      |
|------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                              | CA3  | GA1 | IA1 | MD1 | MS1 | NC1 | NE1 | NJ1 | NJ2 | PA1 | OK1 | TN1 | MEAN |
| RHAMBLER 2 SRP (LSD)         | 6.1  | 5.0 | 7.3 | 6.7 | 5.6 | 6.5 | 5.5 | 7.6 | 5.0 | 6.8 | 5.0 | 8.1 | 6.3  |
| FIREBIRD 2                   | 6.2  | 5.9 | 6.8 | 6.4 | 6.3 | 6.0 | 5.4 | 7.1 | 5.5 | 6.4 | 4.5 | 8.2 | 6.2  |
| XTENDER (PPG-TF-139)         | 6.6  | 5.8 | 7.3 | 5.9 | 6.0 | 6.4 | 5.6 | 6.6 | 4.9 | 7.2 | 4.4 | 8.3 | 6.2  |
| IS-TF 269 SEL                | 6.1  | 5.3 | 7.6 | 6.3 | 6.3 | 6.3 | 5.5 | 6.5 | 5.7 | 7.0 | 3.9 | 8.1 | 6.2  |
| FALCON V                     | 7.1  | 5.2 | 7.4 | 6.3 | 5.8 | 6.3 | 5.8 | 7.0 | 5.0 | 7.1 | 4.0 | 7.7 | 6.2  |
| DIABLO (IS-TF 330)           | 6.2  | 5.2 | 7.4 | 6.0 | 6.1 | 6.5 | 5.6 | 7.0 | 5.5 | 6.7 | 4.1 | 8.1 | 6.2  |
| GRANDE 3                     | 6.4  | 5.4 | 6.6 | 6.3 | 6.1 | 6.8 | 5.5 | 6.4 | 5.2 | 7.1 | 4.5 | 8.1 | 6.2  |
| FAITH                        | 6.5  | 5.6 | 7.2 | 6.0 | 6.5 | 6.5 | 5.7 | 6.0 | 5.2 | 6.7 | 4.6 | 8.0 | 6.2  |
| HOUND08 (IS-TF 307 SEL)      | 5.9  | 5.2 | 7.2 | 6.0 | 6.3 | 6.6 | 5.3 | 7.3 | 4.9 | 6.6 | 4.9 | 8.1 | 6.2  |
| FOXHOUND (IS-TF 284 M2)      | 5.8  | 5.4 | 7.4 | 6.0 | 6.3 | 6.1 | 5.6 | 6.6 | 5.2 | 7.0 | 4.4 | 8.3 | 6.2  |
| LEONARDO (LTP-FSD)           | 6.3  | 5.3 | 6.9 | 6.4 | 6.3 | 6.7 | 5.3 | 7.0 | 5.0 | 5.9 | 4.7 | 8.1 | 6.2  |
| MICHELANGELO (LTP-F5DPDR)    | 6.1  | 5.3 | 7.5 | 5.9 | 6.2 | 6.8 | 5.5 | 6.6 | 5.0 | 5.9 | 4.9 | 8.1 | 6.2  |
| TURFWAY (IS-TF 282 M2)       | 6.0  | 5.8 | 6.9 | 5.9 | 6.4 | 6.2 | 5.2 | 6.9 | 5.2 | 6.7 | 4.5 | 8.1 | 6.1  |
| RHIZING MOON (IS-TF 305 SEL) | 6.4  | 5.8 | 7.2 | 5.9 | 6.2 | 5.8 | 5.8 | 6.2 | 4.6 | 6.9 | 4.4 | 8.3 | 6.1  |
| MERIDIAN (PST-5GRB)          | 6.2  | 5.1 | 7.1 | 5.6 | 6.3 | 6.2 | 5.3 | 7.4 | 4.9 | 6.4 | 4.8 | 8.0 | 6.1  |
| KINGDOM (DB1)                | 6.2  | 5.5 | 7.2 | 6.2 | 6.2 | 6.5 | 5.4 | 6.8 | 5.5 | 6.7 | 3.5 | 7.7 | 6.1  |
| PPG-TF-138                   | 6.0  | 5.2 | 7.3 | 5.5 | 6.3 | 6.3 | 5.6 | 6.3 | 4.9 | 7.0 | 4.5 | 8.0 | 6.1  |
| K12-05                       | 6.5  | 5.7 | 7.4 | 5.5 | 6.2 | 6.1 | 5.3 | 6.9 | 5.0 | 6.0 | 4.2 | 8.0 | 6.1  |
| ATF 1754                     | 5.9  | 5.6 | 7.2 | 6.0 | 6.3 | 6.3 | 5.6 | 6.4 | 5.3 | 6.6 | 3.7 | 7.8 | 6.1  |
| CATALYST                     | 6.3  | 4.4 | 7.4 | 6.3 | 5.9 | 6.8 | 5.6 | 7.2 | 4.7 | 6.2 | 4.1 | 7.9 | 6.1  |
| UNITUS (IS-TF 289)           | 6.0  | 5.7 | 7.4 | 6.0 | 6.1 | 6.2 | 5.2 | 6.2 | 5.0 | 6.3 | 4.4 | 8.0 | 6.0  |
| BULLSEYE                     | 6.1  | 4.8 | 7.5 | 5.9 | 6.0 | 6.0 | 5.5 | 7.2 | 5.0 | 6.2 | 4.3 | 8.1 | 6.0  |
| RAD-TF-89                    | 6.4  | 4.9 | 7.6 | 5.8 | 6.3 | 6.4 | 5.4 | 6.7 | 4.9 | 6.4 | 4.0 | 7.6 | 6.0  |
| RAD-TF-92                    | 6.4  | 4.6 | 6.9 | 5.5 | 6.3 | 5.9 | 5.8 | 7.8 | 5.0 | 7.1 | 3.1 | 7.8 | 6.0  |
| K12-MCD                      | 6.2  | 5.5 | 6.7 | 5.6 | 6.2 | 6.1 | 5.2 | 7.2 | 4.9 | 6.0 | 5.0 | 7.6 | 6.0  |
| IS-TF-287                    | 6.2  | 5.1 | 6.4 | 5.8 | 6.1 | 5.8 | 5.3 | 7.3 | 4.8 | 6.8 | 4.6 | 8.0 | 6.0  |
| FESNOVA                      | 6.0  | 4.7 | 7.4 | 6.2 | 6.3 | 6.2 | 5.2 | 6.6 | 4.6 | 6.3 | 4.4 | 8.1 | 6.0  |
| OLYMPUS (RAD-TF-88)          | 6.6  | 5.4 | 6.7 | 5.9 | 6.1 | 6.2 | 5.4 | 7.1 | 5.2 | 7.0 | 2.7 | 7.9 | 6.0  |
| THUNDERSTRUCK (TD1)          | 6.3  | 5.3 | 7.4 | 5.4 | 6.4 | 6.2 | 5.4 | 5.9 | 5.2 | 6.2 | 4.0 | 8.0 | 6.0  |
| HOVER (BURL TF-69)           | 6.8  | 4.6 | 6.6 | 5.8 | 6.4 | 6.2 | 6.0 | 6.6 | 4.7 | 6.9 | 3.2 | 7.7 | 6.0  |
| PST-5MVD                     | 6.0  | 5.6 | 7.0 | 5.8 | 6.3 | 6.2 | 5.3 | 6.8 | 4.4 | 6.1 | 4.3 | 7.7 | 6.0  |
| TERRANO                      | 6.5  | 4.9 | 7.1 | 6.1 | 6.1 | 6.1 | 5.0 | 6.8 | 4.7 | 5.2 | 5.0 | 7.9 | 5.9  |
| NIGHTCRAWLER (IS-TF 285)     | 5.5  | 5.4 | 7.1 | 5.7 | 6.1 | 6.2 | 5.3 | 6.6 | 5.0 | 7.1 | 3.5 | 7.9 | 5.9  |
| ATF 1736                     | 6.1  | 5.4 | 6.9 | 6.0 | 6.1 | 5.7 | 5.2 | 6.2 | 4.7 | 6.6 | 4.4 | 7.8 | 5.9  |
| PPG-TF-115                   | 6.2  | 5.3 | 7.2 | 5.7 | 6.2 | 6.0 | 5.4 | 5.9 | 4.6 | 5.4 | 4.8 | 8.3 | 5.9  |
| IS-TF 276 M2                 | 6.2  | 5.4 | 7.3 | 5.6 | 6.0 | 6.5 | 5.2 | 5.9 | 4.5 | 6.2 | 4.1 | 8.0 | 5.9  |
| PST-5BPO                     | 5.9  | 5.9 | 7.0 | 6.0 | 5.9 | 6.5 | 5.3 | 6.2 | 4.5 | 5.4 | 4.4 | 7.7 | 5.9  |
| IS-TF 272                    | 6.2  | 4.6 | 7.3 | 5.9 | 6.4 | 5.6 | 5.3 | 5.7 | 4.9 | 6.7 | 4.0 | 8.1 | 5.9  |
| PST-5BRK                     | 5.2  | 5.8 | 7.3 | 6.3 | 6.0 | 6.3 | 5.3 | 6.2 | 4.4 | 5.1 | 4.6 | 8.0 | 5.9  |
| SALTILLO (PST-5SALT)         | 5.6  | 5.1 | 6.9 | 6.0 | 5.9 | 5.9 | 5.2 | 6.5 | 4.3 | 5.7 | 5.0 | 8.1 | 5.9  |
| ARES (PPG-TF-142)            | 6.1  | 5.4 | 7.3 | 5.0 | 5.8 | 5.8 | 5.3 | 5.7 | 4.7 | 6.9 | 4.3 | 7.9 | 5.8  |
| SWAGGER (PST-5R05)           | 5.6  | 5.0 | 6.9 | 5.5 | 6.1 | 5.9 | 5.2 | 6.4 | 4.4 | 6.0 | 5.0 | 7.9 | 5.8  |
| DYNAMITE LS (PPG-TF-145)     | 6.3  | 5.1 | 7.4 | 5.4 | 5.8 | 5.9 | 5.2 | 6.1 | 4.0 | 6.2 | 4.1 | 8.0 | 5.8  |
| CAESAR (TY 10)               | 5.8  | 5.1 | 7.3 | 5.7 | 6.2 | 6.2 | 5.2 | 6.1 | 4.4 | 5.3 | 4.3 | 7.9 | 5.8  |
| MEMPHIS (GO-DFR)             | 5.9  | 5.2 | 6.9 | 5.9 | 6.2 | 6.0 | 5.1 | 5.9 | 4.1 | 5.4 | 4.2 | 7.9 | 5.7  |

TABLE 4. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 GROWN AT TWELVE LOCATIONS IN THE U.S. 1/  
 MAINTAINED USING "SCHEDULE A" \*\*  
 2015 DATA

| NAME                   | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |      |     |     |     |     |     |      |     |     |      |     |      |
|------------------------|--|------|-----|-----|-----|-----|-----|------|-----|-----|------|-----|------|
|                        | CA3  | GA1  | IA1 | MD1 | MS1 | NC1 | NE1 | NJ1  | NJ2 | PA1 | OK1  | TN1 | MEAN |
| PST-5EX2               | 6.1  | 5.8  | 6.7 | 5.2 | 6.1 | 6.6 | 5.4 | 5.3  | 3.5 | 5.6 | 4.5  | 7.9 | 5.7  |
| PST-5DZP               | 5.9  | 4.9  | 6.8 | 5.2 | 5.8 | 5.9 | 5.2 | 6.4  | 4.6 | 5.6 | 4.4  | 7.6 | 5.7  |
| RAIN DANCE (PST-5SDT)  | 5.6  | 5.5  | 6.9 | 5.2 | 6.1 | 6.3 | 5.0 | 5.8  | 4.1 | 5.4 | 4.6  | 7.6 | 5.7  |
| BAR FA 121095          | 6.0  | 5.6  | 6.9 | 5.2 | 6.1 | 5.4 | 5.2 | 6.0  | 4.8 | 5.3 | 4.0  | 7.6 | 5.7  |
| TEMPTATION (OR-21)     | 5.4  | 4.5  | 7.3 | 5.4 | 5.7 | 6.2 | 5.5 | 5.7  | 4.6 | 5.2 | 4.7  | 8.1 | 5.7  |
| JS 818                 | 6.2  | 3.9  | 6.9 | 5.0 | 6.1 | 5.7 | 5.2 | 6.7  | 5.0 | 5.4 | 4.0  | 7.4 | 5.6  |
| PSG-GSD                | 5.9  | 4.8  | 6.8 | 5.1 | 6.1 | 6.0 | 5.2 | 5.9  | 3.9 | 5.2 | 4.6  | 7.9 | 5.6  |
| RAD-TF-83              | 5.6  | 4.5  | 7.2 | 5.3 | 6.3 | 5.8 | 5.3 | 6.1  | 5.0 | 5.3 | 3.4  | 7.6 | 5.6  |
| PSG-8BP2               | 6.0  | 4.9  | 6.4 | 4.9 | 5.8 | 5.7 | 5.1 | 5.6  | 4.5 | 5.4 | 4.7  | 7.5 | 5.5  |
| JS 809                 | 6.0  | 4.9  | 6.9 | 5.1 | 5.9 | 5.4 | 5.3 | 6.1  | 3.9 | 5.4 | 4.0  | 7.4 | 5.5  |
| FALCON IV              | 6.4  | 4.8  | 6.9 | 5.2 | 5.8 | 5.9 | 5.2 | 5.5  | 3.6 | 5.0 | 4.3  | 7.7 | 5.5  |
| 204 RES. BLK4          | 6.8  | 4.5  | 5.6 | 5.0 | 6.1 | 5.6 | 5.1 | 6.1  | 4.0 | 5.6 | 3.3  | 8.3 | 5.5  |
| PSG-TT4                | 5.8  | 5.1  | 6.4 | 5.5 | 5.9 | 5.8 | 5.1 | 5.0  | 4.2 | 5.0 | 3.9  | 7.8 | 5.5  |
| K12-13                 | 6.0  | 5.3  | 6.9 | 5.3 | 6.0 | 5.2 | 4.9 | 5.7  | 3.6 | 5.0 | 3.6  | 7.8 | 5.4  |
| JS 819                 | 6.5  | 4.8  | 6.7 | 4.7 | 5.8 | 5.6 | 5.1 | 5.0  | 4.1 | 4.8 | 4.5  | 7.5 | 5.4  |
| COMP. RES. SST         | 5.8  | 5.1  | 6.5 | 4.7 | 5.9 | 5.5 | 5.0 | 5.5  | 4.7 | 5.6 | 3.0  | 7.8 | 5.4  |
| INSPIRATION (PST-R5NW) | 5.8  | 4.8  | 7.1 | 4.7 | 6.0 | 5.6 | 5.2 | 5.2  | 3.3 | 4.9 | 4.2  | 7.7 | 5.4  |
| BAR FA 121089          | 5.5  | 4.8  | 6.6 | 5.1 | 5.8 | 5.9 | 5.0 | 5.0  | 4.1 | 5.0 | 3.8  | 7.7 | 5.4  |
| FRONTLINE (EXP TF-09)  | 5.4  | 4.3  | 6.8 | 4.6 | 6.1 | 6.0 | 5.1 | 4.5  | 4.0 | 4.7 | 4.6  | 7.8 | 5.3  |
| BAR FA 121091          | 5.9  | 4.6  | 6.6 | 5.4 | 5.8 | 5.8 | 5.1 | 5.3  | 3.7 | 4.2 | 3.7  | 7.5 | 5.3  |
| AQUADUCT               | 5.9  | 4.1  | 6.3 | 4.7 | 5.8 | 6.5 | 5.0 | 4.8  | 3.4 | 4.8 | 4.6  | 7.6 | 5.3  |
| ANNIHILATOR            | 6.2  | 4.6  | 5.9 | 4.2 | 5.9 | 5.8 | 4.6 | 4.8  | 4.0 | 5.7 | 3.2  | 7.9 | 5.2  |
| WARHAWK                | 6.1  | 4.6  | 6.4 | 4.0 | 5.9 | 5.8 | 5.1 | 4.1  | 3.4 | 4.4 | 4.1  | 8.1 | 5.2  |
| MARAUDER               | 6.0  | 4.4  | 5.8 | 4.3 | 5.9 | 5.5 | 5.0 | 5.0  | 4.0 | 5.0 | 3.0  | 7.9 | 5.2  |
| JS 825                 | 5.3  | 4.9  | 6.8 | 4.8 | 6.0 | 5.7 | 5.0 | 4.5  | 3.1 | 4.2 | 4.0  | 7.5 | 5.2  |
| BAR FA 120878          | 4.8  | 4.6  | 6.1 | 3.6 | 5.1 | 5.3 | 4.5 | 1.9  | 2.0 | 3.0 | 3.9  | 7.3 | 4.3  |
| KY-31                  | 3.6  | 4.1  | 4.0 | 2.8 | 4.2 | 4.3 | 3.1 | 1.2  | 1.3 | 1.3 | 3.4  | 6.4 | 3.3  |
| LSD VALUE              | 0.9  | 1.0  | 0.7 | 0.6 | 0.4 | 0.8 | 0.4 | 1.2  | 0.8 | 1.0 | 1.0  | 0.4 | 0.2  |
| C.V. (%)               | 8.5  | 12.0 | 6.2 | 6.8 | 3.9 | 7.8 | 4.8 | 11.9 | 9.8 | 9.2 | 14.7 | 2.8 | 8.3  |

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 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 GROWN AT SIX LOCATIONS IN THE U.S. 1/  
 MAINTAINED USING "SCHEDULE B" \*  
 2015 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |     |     |     |     |     |     |      |
|--|-----|-----|-----|-----|-----|-----|------|
| NAME   | CT1 | IL1 | IN1 | KY1 | MO1 | VA1 | MEAN |
| 4TH MILLENNIUM SRP (U43)                       | 6.7 | 6.3 | 6.7 | 7.6 | 6.6 | 7.3 | 6.9  |
| TITANIUM 2LS (PPG-TF-152)                      | 7.1 | 6.5 | 6.3 | 7.5 | 6.2 | 7.2 | 6.8  |
| W41  | 6.8 | 6.6 | 6.0 | 7.6 | 6.2 | 7.2 | 6.7  |
| RAPTOR III (ZW 44)                             | 6.6 | 6.6 | 6.2 | 7.4 | 6.2 | 7.5 | 6.7  |
| AMITY (CCR2)                                   | 6.4 | 6.7 | 6.2 | 7.6 | 6.5 | 7.0 | 6.7  |
| PPG-TF-135                                     | 7.1 | 6.8 | 6.0 | 7.3 | 6.5 | 6.8 | 6.7  |
| TRAVERSE 2 SRP (W45)                           | 6.1 | 6.4 | 5.9 | 7.4 | 7.2 | 7.3 | 6.7  |
| REGENERATE                                     | 6.6 | 6.7 | 6.3 | 7.5 | 6.3 | 6.8 | 6.7  |
| AVENGER II (PPG-TF-156)                        | 6.7 | 6.6 | 6.1 | 7.5 | 6.3 | 6.9 | 6.7  |
| SUPERSONIC (PPG-TF-170)                        | 7.1 | 6.5 | 6.0 | 7.4 | 5.9 | 7.1 | 6.7  |
| REFLECTION (U45)                               | 6.8 | 6.3 | 6.3 | 7.4 | 6.1 | 7.0 | 6.7  |
| MET 1  | 6.7 | 6.2 | 6.1 | 7.4 | 6.5 | 7.2 | 6.7  |
| THOR (PPG-TF-157)                              | 6.7 | 6.2 | 5.9 | 7.6 | 6.6 | 6.8 | 6.6  |
| FIREWALL (PSG-WE1)                             | 6.6 | 6.5 | 6.0 | 7.4 | 6.5 | 6.8 | 6.6  |
| REBOUNDER (PICK-W43)                           | 7.0 | 6.3 | 5.9 | 7.4 | 6.1 | 7.0 | 6.6  |
| MET-3  | 6.3 | 6.5 | 5.7 | 7.5 | 6.3 | 7.4 | 6.6  |
| F711   | 6.6 | 6.5 | 6.2 | 7.5 | 6.1 | 6.9 | 6.6  |
| MAESTRO (T31)                                  | 6.8 | 6.7 | 6.1 | 7.3 | 6.4 | 6.2 | 6.6  |
| HEMI   | 6.6 | 6.6 | 6.4 | 7.4 | 6.2 | 6.3 | 6.6  |
| PSG-P01  | 6.8 | 6.0 | 5.9 | 7.3 | 6.8 | 6.8 | 6.6  |
| FAYETTE (IS-TF 291)                            | 6.8 | 6.3 | 6.3 | 7.4 | 5.6 | 7.0 | 6.6  |
| CATALYST                                       | 6.3 | 6.2 | 6.1 | 7.3 | 6.3 | 7.2 | 6.6  |
| IS-TF 311                                      | 6.9 | 6.0 | 6.1 | 7.3 | 6.6 | 6.4 | 6.6  |
| B23  | 7.1 | 6.0 | 6.4 | 7.3 | 6.3 | 6.3 | 6.6  |
| BLOODHOUND (MET 6 SEL)                         | 6.3 | 6.5 | 6.0 | 7.3 | 6.2 | 7.0 | 6.5  |
| RHIZING MOON (IS-TF 305 SEL)                   | 7.0 | 6.3 | 6.0 | 7.4 | 6.2 | 6.4 | 6.5  |
| GTO (BURL TF-2)                                | 6.4 | 6.3 | 6.0 | 7.4 | 6.4 | 6.8 | 6.5  |
| BIZEM  | 6.4 | 6.3 | 5.9 | 7.4 | 5.9 | 7.2 | 6.5  |
| GRANDE 3                                       | 6.2 | 6.4 | 6.0 | 7.3 | 6.5 | 6.6 | 6.5  |
| BLACK TAIL (PPG-TF-150)                        | 6.6 | 6.4 | 5.7 | 7.5 | 6.0 | 6.8 | 6.5  |
| FESNOVA  | 6.6 | 6.1 | 5.7 | 7.3 | 6.5 | 6.8 | 6.5  |
| CROSSFIRE 4 (IS-TF 310 SEL)                    | 6.8 | 5.9 | 5.8 | 7.4 | 6.2 | 6.9 | 6.5  |
| TECHNIQUE (RZ2)                                | 6.4 | 6.1 | 5.9 | 7.3 | 6.4 | 6.8 | 6.5  |
| IS-TF 308 SEL                                  | 6.3 | 6.4 | 5.8 | 7.4 | 5.8 | 7.1 | 6.5  |
| PPG-TF-169                                     | 6.1 | 6.2 | 5.9 | 7.5 | 6.3 | 6.8 | 6.5  |
| ARES (PPG-TF-142)                              | 6.8 | 5.9 | 5.6 | 7.1 | 6.7 | 6.6 | 6.5  |
| MICHELANGELO (LTP-F5DPDR)                      | 6.6 | 6.5 | 5.9 | 7.3 | 5.9 | 6.6 | 6.4  |
| HOUNDOG8 (IS-TF 307 SEL)                       | 6.6 | 6.0 | 5.8 | 7.4 | 6.0 | 6.9 | 6.4  |
| ROCKWELL (LTP-TWUU)                            | 6.6 | 5.9 | 5.9 | 7.4 | 5.8 | 7.0 | 6.4  |
| PARAMOUNT (PPG-TF-137)                         | 6.4 | 6.3 | 6.0 | 7.4 | 5.8 | 6.6 | 6.4  |
| VALKYRIE LS (PPG-TF-172)                       | 6.1 | 6.4 | 5.8 | 7.4 | 5.9 | 7.0 | 6.4  |
| PPG-TF-138                                     | 6.3 | 6.0 | 6.0 | 7.5 | 6.2 | 6.5 | 6.4  |
| FIRECRACKER SLS (PPG-TF-105)                   | 6.7 | 6.1 | 6.3 | 7.1 | 5.6 | 6.5 | 6.4  |
| FAITH  | 6.4 | 6.2 | 6.0 | 7.3 | 6.2 | 6.3 | 6.4  |

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. 1/  
 MAINTAINED USING "SCHEDULE B" \*  
 2015 DATA

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

| NAME                     | CT1 | IL1 | IN1 | KY1 | MO1 | VA1 | MEAN |
|--------------------------|-----|-----|-----|-----|-----|-----|------|
| HOT ROD (BURL TF-136)    | 6.1 | 6.1 | 6.3 | 7.5 | 5.9 | 6.5 | 6.4  |
| SCREAMER LS (PPG-TF-148) | 6.3 | 5.9 | 6.1 | 7.4 | 6.1 | 6.4 | 6.4  |
| WICHITA (PPG-TF-151)     | 6.7 | 6.2 | 5.8 | 7.2 | 5.9 | 6.4 | 6.4  |
| JS 916                   | 5.8 | 6.4 | 5.8 | 7.4 | 6.1 | 6.8 | 6.4  |
| TEMPLE (DZ1)             | 5.8 | 6.5 | 5.7 | 7.4 | 6.4 | 6.4 | 6.4  |
| FIREBIRD 2               | 6.3 | 6.3 | 6.1 | 7.4 | 5.5 | 6.5 | 6.3  |
| ROWDY (SRX-TPC)          | 6.2 | 6.3 | 5.9 | 7.3 | 5.8 | 6.5 | 6.3  |
| EMBRACE (PST-5EV2)       | 6.1 | 5.9 | 6.0 | 7.3 | 6.2 | 6.5 | 6.3  |
| RHAMBLER 2 SRP (LSD)     | 6.3 | 5.7 | 5.9 | 7.3 | 6.1 | 6.6 | 6.3  |
| LEONARDO (LTP-FSD)       | 6.2 | 6.0 | 5.6 | 7.1 | 6.2 | 6.7 | 6.3  |
| NIGHTCRAWLER (IS-TF 285) | 6.8 | 6.0 | 6.0 | 7.2 | 5.7 | 6.2 | 6.3  |
| PST-5BRK                 | 6.4 | 5.9 | 5.9 | 7.1 | 5.6 | 7.0 | 6.3  |
| BULLSEYE                 | 6.1 | 6.1 | 5.8 | 7.4 | 6.2 | 6.1 | 6.3  |
| SALTILLO (PST-5SALT)     | 5.9 | 5.8 | 5.9 | 7.3 | 6.0 | 6.8 | 6.3  |
| IS-TF 269 SEL            | 6.2 | 5.9 | 6.2 | 7.2 | 6.1 | 6.1 | 6.3  |
| HOVER (BURL TF-69)       | 6.2 | 6.0 | 5.7 | 7.1 | 5.6 | 7.0 | 6.3  |
| ATF 1704                 | 6.2 | 5.8 | 5.8 | 7.1 | 5.8 | 7.0 | 6.3  |
| ATF 1754                 | 5.7 | 6.1 | 5.8 | 7.1 | 6.0 | 6.8 | 6.3  |
| ATF 1612                 | 6.2 | 6.2 | 5.8 | 7.3 | 5.9 | 6.3 | 6.3  |
| PST-5BP0                 | 6.0 | 6.3 | 5.8 | 7.1 | 6.0 | 6.4 | 6.3  |
| XTENDER (PPG-TF-139)     | 5.7 | 6.3 | 6.0 | 7.4 | 5.3 | 6.9 | 6.3  |
| K12-MCD                  | 6.4 | 5.9 | 5.7 | 7.0 | 6.0 | 6.6 | 6.3  |
| PPG-TF-115               | 6.3 | 6.1 | 6.0 | 7.2 | 5.6 | 6.4 | 6.3  |
| DIABLO (IS-TF 330)       | 6.4 | 6.1 | 5.7 | 7.1 | 6.3 | 5.8 | 6.3  |
| DYNAMITE LS (PPG-TF-145) | 5.9 | 6.0 | 5.8 | 7.2 | 5.9 | 6.8 | 6.3  |
| IS-TF 276 M2             | 5.9 | 5.8 | 5.7 | 7.3 | 6.5 | 6.2 | 6.2  |
| UNITUS (IS-TF 289)       | 6.5 | 6.3 | 5.9 | 7.3 | 5.5 | 6.0 | 6.2  |
| FOXHOUND (IS-TF 284 M2)  | 6.4 | 5.9 | 5.6 | 7.1 | 5.8 | 6.6 | 6.2  |
| FALCON V                 | 6.1 | 6.0 | 5.8 | 7.2 | 5.9 | 6.2 | 6.2  |
| THUNDERSTRUCK (TD1)      | 6.3 | 6.1 | 5.6 | 7.2 | 6.0 | 6.0 | 6.2  |
| TURFWAY (IS-TF 282 M2)   | 6.1 | 5.7 | 5.9 | 7.2 | 5.5 | 6.7 | 6.2  |
| IS-TF-287                | 6.3 | 5.9 | 5.5 | 7.6 | 5.6 | 6.2 | 6.2  |
| FALCON IV                | 6.4 | 5.6 | 5.9 | 7.0 | 5.9 | 6.1 | 6.2  |
| PST-5MVD                 | 6.1 | 5.8 | 5.7 | 6.9 | 5.9 | 6.5 | 6.1  |
| TERRANO                  | 5.7 | 6.3 | 5.5 | 7.1 | 5.8 | 6.5 | 6.1  |
| ATF 1736                 | 5.8 | 6.0 | 5.7 | 7.3 | 5.4 | 6.5 | 6.1  |
| KINGDOM (DB1)            | 6.3 | 6.0 | 5.8 | 7.3 | 5.5 | 6.0 | 6.1  |
| CAESAR (TY 10)           | 5.9 | 6.0 | 5.7 | 7.0 | 5.8 | 6.3 | 6.1  |
| RAD-TF-89                | 5.5 | 6.1 | 5.4 | 7.2 | 5.9 | 6.2 | 6.1  |
| PSG-GSD                  | 5.9 | 5.6 | 6.0 | 7.0 | 5.6 | 6.1 | 6.0  |
| PSG-8BP2                 | 5.9 | 5.6 | 5.8 | 7.0 | 5.9 | 6.0 | 6.0  |
| OLYMPUS (RAD-TF-88)      | 6.1 | 6.0 | 5.7 | 7.2 | 5.4 | 5.8 | 6.0  |
| PSG-TT4                  | 6.0 | 5.8 | 5.7 | 7.0 | 5.5 | 6.2 | 6.0  |
| TEMPTATION (OR-21)       | 5.6 | 5.7 | 5.4 | 7.3 | 6.3 | 5.8 | 6.0  |
| MERIDIAN (PST-5GRB)      | 5.4 | 5.6 | 6.1 | 7.1 | 5.8 | 6.0 | 6.0  |



TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. 1/  
MAINTAINED USING "SCHEDULE B" \*  
2015 DATA

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

| NAME                   | CT1 | IL1 | IN1 | KY1 | MO1 | VA1 | MEAN |
|------------------------|-----|-----|-----|-----|-----|-----|------|
| RAD-TF-92              | 5.3 | 5.9 | 5.6 | 7.1 | 5.8 | 6.2 | 6.0  |
| RAIN DANCE (PST-5SDT)  | 5.8 | 5.2 | 5.5 | 7.0 | 6.1 | 6.3 | 6.0  |
| PST-5DZP               | 5.8 | 5.7 | 5.7 | 7.1 | 5.6 | 6.0 | 6.0  |
| K12-05                 | 5.8 | 5.7 | 5.4 | 7.1 | 5.8 | 6.0 | 6.0  |
| PST-5EX2               | 5.9 | 5.7 | 5.5 | 6.9 | 5.8 | 5.9 | 6.0  |
| MEMPHIS (GO-DFR)       | 5.8 | 5.7 | 5.8 | 7.1 | 5.5 | 5.6 | 5.9  |
| SWAGGER (PST-5R05)     | 5.8 | 4.9 | 5.4 | 7.1 | 6.3 | 6.0 | 5.9  |
| RAD-TF-83              | 5.6 | 5.7 | 5.6 | 7.0 | 5.6 | 5.9 | 5.9  |
| IS-TF 272              | 5.8 | 5.7 | 5.6 | 7.1 | 5.6 | 5.5 | 5.9  |
| INSPIRATION (PST-R5NW) | 5.5 | 5.5 | 5.6 | 6.9 | 5.8 | 6.0 | 5.9  |
| JS 818                 | 5.8 | 5.8 | 5.4 | 7.0 | 5.6 | 5.6 | 5.9  |
| JS 819                 | 5.6 | 5.8 | 5.5 | 6.9 | 5.5 | 5.8 | 5.8  |
| BAR FA 121095          | 5.5 | 5.4 | 5.5 | 7.1 | 5.9 | 5.4 | 5.8  |
| BAR FA 121091          | 5.4 | 5.6 | 5.3 | 6.9 | 5.5 | 5.8 | 5.7  |
| MARAUDER               | 5.0 | 5.7 | 5.2 | 6.8 | 5.8 | 5.8 | 5.7  |
| BAR FA 121089          | 5.4 | 5.3 | 4.9 | 6.9 | 5.6 | 6.1 | 5.7  |
| JS 809                 | 5.3 | 5.6 | 5.4 | 6.9 | 5.3 | 5.5 | 5.7  |
| AQUADUCT               | 5.2 | 5.0 | 5.7 | 6.8 | 4.9 | 6.5 | 5.7  |
| FRONTLINE (EXP TF-09)  | 5.2 | 5.5 | 5.4 | 6.9 | 5.3 | 5.7 | 5.7  |
| JS 825                 | 5.2 | 5.3 | 5.2 | 6.8 | 5.5 | 5.7 | 5.6  |
| ANNIHILATOR            | 5.6 | 5.2 | 5.3 | 6.9 | 5.1 | 5.3 | 5.6  |
| WARHAWK                | 5.2 | 5.5 | 4.6 | 6.7 | 5.2 | 5.8 | 5.5  |
| COMP. RES. SST         | 5.2 | 5.3 | 4.9 | 6.8 | 5.4 | 5.1 | 5.4  |
| 204 RES. BLK4          | 5.4 | 5.0 | 4.6 | 6.8 | 5.3 | 5.3 | 5.4  |
| K12-13                 | 5.0 | 5.3 | 4.9 | 6.9 | 5.3 | 4.5 | 5.3  |
| BAR FA 120878          | 4.8 | 4.3 | 5.1 | 6.2 | 4.8 | 5.9 | 5.2  |
| KY-31                  | 2.8 | 3.2 | 4.0 | 4.1 | 3.8 | 5.5 | 3.9  |
| LSD VALUE              | 0.8 | 0.6 | 0.5 | 0.3 | 0.9 | 1.0 | 0.3  |
| C.V. (%)               | 8.0 | 6.2 | 5.5 | 2.4 | 9.0 | 9.2 | 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 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT FOUR LOCATIONS 1/  
IN THE NORTHEAST REGION  
2015 DATA

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

| NAME                         | CT1 | NJ1 | NJ2 | PA1 | MEAN |
|------------------------------|-----|-----|-----|-----|------|
| 4TH MILLENNIUM SRP (U43)     | 6.7 | 7.9 | 6.2 | 7.9 | 7.2  |
| REGENERATE                   | 6.6 | 7.1 | 6.9 | 7.9 | 7.1  |
| AMITY (CCR2)                 | 6.4 | 7.6 | 6.4 | 8.0 | 7.1  |
| B23                          | 7.1 | 7.6 | 6.1 | 7.6 | 7.1  |
| REBOUNDER (PICK-W43)         | 7.0 | 6.9 | 6.4 | 7.9 | 7.0  |
| FAYETTE (IS-TF 291)          | 6.8 | 7.4 | 6.0 | 7.9 | 7.0  |
| TITANIUM 2LS (PPG-TF-152)    | 7.1 | 7.1 | 5.9 | 7.8 | 7.0  |
| RAPTOR III (ZW 44)           | 6.6 | 7.1 | 5.8 | 8.2 | 6.9  |
| REFLECTION (U45)             | 6.8 | 7.4 | 5.7 | 7.7 | 6.9  |
| TRAVERSE 2 SRP (W45)         | 6.1 | 7.2 | 6.1 | 8.2 | 6.9  |
| MET 1                        | 6.7 | 7.4 | 5.6 | 7.8 | 6.9  |
| PPG-TF-135                   | 7.1 | 7.3 | 5.9 | 7.3 | 6.9  |
| AVENGER II (PPG-TF-156)      | 6.7 | 7.4 | 5.8 | 7.7 | 6.9  |
| SUPERSONIC (PPG-TF-170)      | 7.1 | 7.1 | 5.9 | 7.4 | 6.9  |
| ROCKWELL (LTP-TWUU)          | 6.6 | 7.6 | 5.8 | 7.3 | 6.8  |
| HEMI                         | 6.6 | 6.9 | 5.4 | 8.3 | 6.8  |
| F711                         | 6.6 | 7.9 | 5.3 | 7.4 | 6.8  |
| THOR (PPG-TF-157)            | 6.7 | 7.2 | 6.4 | 6.8 | 6.8  |
| PSG-PO1                      | 6.8 | 6.7 | 5.8 | 7.8 | 6.8  |
| FIRECRACKER SLS (PPG-TF-105) | 6.7 | 7.9 | 5.7 | 6.8 | 6.8  |
| PARAMOUNT (PPG-TF-137)       | 6.4 | 7.0 | 5.9 | 7.7 | 6.7  |
| TECHNIQUE (RZ2)              | 6.4 | 7.4 | 5.4 | 7.8 | 6.7  |
| IS-TF 308 SEL                | 6.3 | 7.1 | 5.4 | 8.1 | 6.7  |
| MAESTRO (T31)                | 6.8 | 7.3 | 5.3 | 7.6 | 6.7  |
| BIZEM                        | 6.4 | 7.8 | 5.2 | 7.4 | 6.7  |
| HOT ROD (BURL TF-136)        | 6.1 | 6.8 | 5.7 | 8.1 | 6.6  |
| IS-TF 311                    | 6.9 | 7.0 | 5.5 | 7.2 | 6.6  |
| W41                          | 6.8 | 7.4 | 5.0 | 7.3 | 6.6  |
| BLACK TAIL (PPG-TF-150)      | 6.6 | 7.3 | 5.4 | 7.1 | 6.6  |
| SCREAMER LS (PPG-TF-148)     | 6.3 | 7.0 | 5.3 | 7.7 | 6.6  |
| TEMPLE (DZ1)                 | 5.8 | 7.8 | 5.6 | 7.1 | 6.6  |
| ATF 1704                     | 6.2 | 7.9 | 5.0 | 7.1 | 6.5  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 6.8 | 6.9 | 5.5 | 7.0 | 6.5  |
| FIREWALL (PSG-WE1)           | 6.6 | 6.1 | 5.7 | 7.7 | 6.5  |
| MET-3                        | 6.3 | 6.9 | 5.8 | 7.0 | 6.5  |
| ATF 1612                     | 6.2 | 7.1 | 5.6 | 7.1 | 6.5  |
| WICHITA (PPG-TF-151)         | 6.7 | 7.6 | 5.3 | 6.3 | 6.5  |
| ROWDY (SRX-TPC)              | 6.2 | 7.5 | 5.5 | 6.7 | 6.5  |
| VALKYRIE LS (PPG-TF-172)     | 6.1 | 7.5 | 5.6 | 6.7 | 6.5  |
| BLOODHOUND (MET 6 SEL)       | 6.3 | 7.0 | 5.3 | 7.1 | 6.4  |
| JS 916                       | 5.8 | 7.3 | 5.1 | 7.4 | 6.4  |
| DIABLO (IS-TF 330)           | 6.4 | 7.0 | 5.5 | 6.7 | 6.4  |
| RHAMBLER 2 SRP (LSD)         | 6.3 | 7.6 | 5.0 | 6.8 | 6.4  |
| NIGHTCRAWLER (IS-TF 285)     | 6.8 | 6.6 | 5.0 | 7.1 | 6.4  |

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT FOUR LOCATIONS 1/  
IN THE NORTHEAST REGION  
2015 DATA

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

| NAME                         | CT1 | NJ1 | NJ2 | PA1 | MEAN |
|------------------------------|-----|-----|-----|-----|------|
| FIREBIRD 2                   | 6.3 | 7.1 | 5.5 | 6.4 | 6.3  |
| OLYMPUS (RAD-TF-88)          | 6.1 | 7.1 | 5.2 | 7.0 | 6.3  |
| GTO (BURL TF-2)              | 6.4 | 6.6 | 5.3 | 7.1 | 6.3  |
| PPG-TF-169                   | 6.1 | 6.9 | 4.9 | 7.4 | 6.3  |
| IS-TF 269 SEL                | 6.2 | 6.5 | 5.7 | 7.0 | 6.3  |
| HOUNDOG8 (IS-TF 307 SEL)     | 6.6 | 7.3 | 4.9 | 6.6 | 6.3  |
| KINGDOM (DB1)                | 6.3 | 6.8 | 5.5 | 6.7 | 6.3  |
| FALCON V                     | 6.1 | 7.0 | 5.0 | 7.1 | 6.3  |
| RAD-TF-92                    | 5.3 | 7.8 | 5.0 | 7.1 | 6.3  |
| FOXHOUND (IS-TF 284 M2)      | 6.4 | 6.6 | 5.2 | 7.0 | 6.3  |
| IS-TF-287                    | 6.3 | 7.3 | 4.8 | 6.8 | 6.3  |
| EMBRACE (PST-5EV2)           | 6.1 | 7.5 | 5.1 | 6.4 | 6.3  |
| GRANDE 3                     | 6.2 | 6.4 | 5.2 | 7.1 | 6.2  |
| TURFWAY (IS-TF 282 M2)       | 6.1 | 6.9 | 5.2 | 6.7 | 6.2  |
| RHIZING MOON (IS-TF 305 SEL) | 7.0 | 6.2 | 4.6 | 6.9 | 6.2  |
| BULLSEYE                     | 6.1 | 7.2 | 5.0 | 6.2 | 6.1  |
| K12-MCD                      | 6.4 | 7.2 | 4.9 | 6.0 | 6.1  |
| PPG-TF-138                   | 6.3 | 6.3 | 4.9 | 7.0 | 6.1  |
| XTENDER (PPG-TF-139)         | 5.7 | 6.6 | 4.9 | 7.2 | 6.1  |
| CATALYST                     | 6.3 | 7.2 | 4.7 | 6.2 | 6.1  |
| HOVER (BURL TF-69)           | 6.2 | 6.6 | 4.7 | 6.9 | 6.1  |
| FAITH                        | 6.4 | 6.0 | 5.2 | 6.7 | 6.1  |
| MERIDIAN (PST-5GRB)          | 5.4 | 7.4 | 4.9 | 6.4 | 6.0  |
| FESNOVA                      | 6.6 | 6.6 | 4.6 | 6.3 | 6.0  |
| MICHELANGELO (LTP-F5DPDR)    | 6.6 | 6.6 | 5.0 | 5.9 | 6.0  |
| ARES (PPG-TF-142)            | 6.8 | 5.7 | 4.7 | 6.9 | 6.0  |
| ATF 1754                     | 5.7 | 6.4 | 5.3 | 6.6 | 6.0  |
| UNITUS (IS-TF 289)           | 6.5 | 6.2 | 5.0 | 6.3 | 6.0  |
| LEONARDO (LTP-FSD)           | 6.2 | 7.0 | 5.0 | 5.9 | 6.0  |
| K12-05                       | 5.8 | 6.9 | 5.0 | 6.0 | 5.9  |
| THUNDERSTRUCK (TD1)          | 6.3 | 5.9 | 5.2 | 6.2 | 5.9  |
| RAD-TF-89                    | 5.5 | 6.7 | 4.9 | 6.4 | 5.9  |
| PST-5MVD                     | 6.1 | 6.8 | 4.4 | 6.1 | 5.9  |
| ATF 1736                     | 5.8 | 6.2 | 4.7 | 6.6 | 5.8  |
| IS-TF 272                    | 5.8 | 5.7 | 4.9 | 6.7 | 5.8  |
| JS 818                       | 5.8 | 6.7 | 5.0 | 5.4 | 5.7  |
| SWAGGER (PST-5R05)           | 5.8 | 6.4 | 4.4 | 6.0 | 5.6  |
| IS-TF 276 M2                 | 5.9 | 5.9 | 4.5 | 6.2 | 5.6  |
| SALTILLO (PST-5SALT)         | 5.9 | 6.5 | 4.3 | 5.7 | 5.6  |
| PST-5DZP                     | 5.8 | 6.4 | 4.6 | 5.6 | 5.6  |
| TERRANO                      | 5.7 | 6.8 | 4.7 | 5.2 | 5.6  |
| DYNAMITE LS (PPG-TF-145)     | 5.9 | 6.1 | 4.0 | 6.2 | 5.6  |
| PPG-TF-115                   | 6.3 | 5.9 | 4.6 | 5.4 | 5.6  |
| PST-5BPO                     | 6.0 | 6.2 | 4.5 | 5.4 | 5.5  |
| PST-5BRK                     | 6.4 | 6.2 | 4.4 | 5.1 | 5.5  |

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT FOUR LOCATIONS 1/  
IN THE NORTHEAST REGION  
2015 DATA

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

| NAME                   | CT1 | NJ1 | NJ2 | PA1 | MEAN |
|------------------------|-----|-----|-----|-----|------|
| RAD-TF-83              | 5.6 | 6.1 | 5.0 | 5.3 | 5.5  |
| CAESAR (TY 10)         | 5.9 | 6.1 | 4.4 | 5.3 | 5.4  |
| BAR FA 121095          | 5.5 | 6.0 | 4.8 | 5.3 | 5.4  |
| PSG-8BP2               | 5.9 | 5.6 | 4.5 | 5.4 | 5.4  |
| MEMPHIS (GO-DFR)       | 5.8 | 5.9 | 4.1 | 5.4 | 5.3  |
| RAIN DANCE (PST-5SDT)  | 5.8 | 5.8 | 4.1 | 5.4 | 5.3  |
| 204 RES. BLK4          | 5.4 | 6.1 | 4.0 | 5.6 | 5.3  |
| TEMPTATION (OR-21)     | 5.6 | 5.7 | 4.6 | 5.2 | 5.3  |
| PSG-GSD                | 5.9 | 5.9 | 3.9 | 5.2 | 5.2  |
| COMP. RES. SST         | 5.2 | 5.5 | 4.7 | 5.6 | 5.2  |
| JS 809                 | 5.3 | 6.1 | 3.9 | 5.4 | 5.2  |
| FALCON IV              | 6.4 | 5.5 | 3.6 | 5.0 | 5.1  |
| PST-5EX2               | 5.9 | 5.3 | 3.5 | 5.6 | 5.1  |
| PSG-TT4                | 6.0 | 5.0 | 4.2 | 5.0 | 5.0  |
| ANNIHILATOR            | 5.6 | 4.8 | 4.0 | 5.7 | 5.0  |
| BAR FA 121089          | 5.4 | 5.0 | 4.1 | 5.0 | 4.9  |
| JS 819                 | 5.6 | 5.0 | 4.1 | 4.8 | 4.9  |
| K12-13                 | 5.0 | 5.7 | 3.6 | 5.0 | 4.8  |
| MARAUDER               | 5.0 | 5.0 | 4.0 | 5.0 | 4.7  |
| INSPIRATION (PST-R5NW) | 5.5 | 5.2 | 3.3 | 4.9 | 4.7  |
| BAR FA 121091          | 5.4 | 5.3 | 3.7 | 4.2 | 4.6  |
| FRONTLINE (EXP TF-09)  | 5.2 | 4.5 | 4.0 | 4.7 | 4.6  |
| AQUADUCT               | 5.2 | 4.8 | 3.4 | 4.8 | 4.5  |
| WARHAWK                | 5.2 | 4.1 | 3.4 | 4.4 | 4.3  |
| JS 825                 | 5.2 | 4.5 | 3.1 | 4.2 | 4.3  |
| BAR FA 120878          | 4.8 | 1.9 | 2.0 | 3.0 | 2.9  |
| KY-31                  | 2.8 | 1.2 | 1.3 | 1.3 | 1.7  |
| LSD VALUE              | 0.8 | 1.2 | 0.8 | 1.0 | 0.5  |

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 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT SIX LOCATIONS 1/  
IN THE TRANSITION REGION  
2015 DATA

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

| NAME                        | KY1 | MD1 | MO1 | NC1 | TN1 | VA1 | MEAN |
|-----------------------------|-----|-----|-----|-----|-----|-----|------|
| TRAVERSE 2 SRP (W45)        | 7.4 | 7.1 | 7.2 | 7.2 | 7.8 | 7.3 | 7.3  |
| 4TH MILLENNIUM SRP (U43)    | 7.6 | 7.0 | 6.6 | 7.2 | 8.1 | 7.3 | 7.3  |
| AMITY (CCR2)                | 7.6 | 7.0 | 6.5 | 7.1 | 8.1 | 7.0 | 7.2  |
| RAPTOR III (ZW 44)          | 7.4 | 7.1 | 6.2 | 7.1 | 8.0 | 7.5 | 7.2  |
| MET-3                       | 7.5 | 6.7 | 6.3 | 7.2 | 8.0 | 7.4 | 7.2  |
| MET 1                       | 7.4 | 6.8 | 6.5 | 7.1 | 7.8 | 7.2 | 7.1  |
| TECHNIQUE (RZ2)             | 7.3 | 7.0 | 6.4 | 7.4 | 7.8 | 6.8 | 7.1  |
| F711                        | 7.5 | 6.5 | 6.1 | 7.3 | 8.2 | 6.9 | 7.1  |
| TITANIUM 2LS (PPG-TF-152)   | 7.5 | 6.3 | 6.2 | 7.2 | 8.1 | 7.2 | 7.1  |
| AVENGER II (PPG-TF-156)     | 7.5 | 6.8 | 6.3 | 6.6 | 8.3 | 6.9 | 7.1  |
| REGENERATE                  | 7.5 | 7.6 | 6.3 | 6.5 | 7.7 | 6.8 | 7.1  |
| REBOUNDER (PICK-W43)        | 7.4 | 7.1 | 6.1 | 6.5 | 8.1 | 7.0 | 7.0  |
| GTO (BURL TF-2)             | 7.4 | 6.6 | 6.4 | 6.6 | 8.3 | 6.8 | 7.0  |
| ROCKWELL (LTP-TWJU)         | 7.4 | 6.8 | 5.8 | 6.9 | 8.2 | 7.0 | 7.0  |
| BIZEM                       | 7.4 | 6.7 | 5.9 | 6.7 | 8.2 | 7.2 | 7.0  |
| PSG-PO1                     | 7.3 | 6.8 | 6.8 | 6.6 | 7.9 | 6.8 | 7.0  |
| W41                         | 7.6 | 6.6 | 6.2 | 6.4 | 8.0 | 7.2 | 7.0  |
| FIREWALL (PSG-WE1)          | 7.4 | 6.5 | 6.5 | 6.5 | 8.3 | 6.8 | 7.0  |
| PPG-TF-135                  | 7.3 | 6.8 | 6.5 | 6.8 | 7.9 | 6.8 | 7.0  |
| THOR (PPG-TF-157)           | 7.6 | 6.5 | 6.6 | 6.4 | 8.0 | 6.8 | 7.0  |
| BLOODHOUND (MET 6 SEL)      | 7.3 | 6.8 | 6.2 | 6.7 | 7.9 | 7.0 | 7.0  |
| SUPERSONIC (PPG-TF-170)     | 7.4 | 6.9 | 5.9 | 6.6 | 8.0 | 7.1 | 7.0  |
| HOT ROD (BURL TF-136)       | 7.5 | 7.0 | 5.9 | 7.0 | 8.0 | 6.5 | 7.0  |
| REFLECTION (U45)            | 7.4 | 6.7 | 6.1 | 6.4 | 8.1 | 7.0 | 7.0  |
| GRANDE 3                    | 7.3 | 6.3 | 6.5 | 6.8 | 8.1 | 6.6 | 7.0  |
| CATALYST                    | 7.3 | 6.3 | 6.3 | 6.8 | 7.9 | 7.2 | 7.0  |
| VALKYRIE LS (PPG-TF-172)    | 7.4 | 6.5 | 5.9 | 6.9 | 8.1 | 7.0 | 6.9  |
| IS-TF 308 SEL               | 7.4 | 6.6 | 5.8 | 6.7 | 8.1 | 7.1 | 6.9  |
| MAESTRO (T31)               | 7.3 | 7.1 | 6.4 | 6.6 | 7.9 | 6.2 | 6.9  |
| PPG-TF-169                  | 7.5 | 6.5 | 6.3 | 6.9 | 7.7 | 6.8 | 6.9  |
| IS-TF 311                   | 7.3 | 6.6 | 6.6 | 6.5 | 7.9 | 6.4 | 6.9  |
| RHAMBLER 2 SRP (LSD)        | 7.3 | 6.7 | 6.1 | 6.5 | 8.1 | 6.6 | 6.9  |
| PARAMOUNT (PPG-TF-137)      | 7.4 | 6.7 | 5.8 | 6.9 | 7.9 | 6.6 | 6.9  |
| BLACK TAIL (PPG-TF-150)     | 7.5 | 6.3 | 6.0 | 6.7 | 7.9 | 6.8 | 6.9  |
| TEMPLE (DZ1)                | 7.4 | 6.7 | 6.4 | 6.3 | 8.1 | 6.4 | 6.9  |
| FESNOVA                     | 7.3 | 6.2 | 6.5 | 6.2 | 8.1 | 6.8 | 6.9  |
| LEONARDO (LTP-FSD)          | 7.1 | 6.4 | 6.2 | 6.7 | 8.1 | 6.7 | 6.9  |
| ROWDY (SRX-TPC)             | 7.3 | 6.8 | 5.8 | 6.5 | 8.2 | 6.5 | 6.8  |
| HOUNDOG8 (IS-TF 307 SEL)    | 7.4 | 6.0 | 6.0 | 6.6 | 8.1 | 6.9 | 6.8  |
| CROSSFIRE 4 (IS-TF 310 SEL) | 7.4 | 6.2 | 6.2 | 6.2 | 8.0 | 6.9 | 6.8  |
| JS 916                      | 7.4 | 6.5 | 6.1 | 6.4 | 7.9 | 6.8 | 6.8  |
| HEMI                        | 7.4 | 6.6 | 6.2 | 6.5 | 7.8 | 6.3 | 6.8  |
| B23                         | 7.3 | 6.6 | 6.3 | 6.4 | 8.0 | 6.3 | 6.8  |
| WICHITA (PPG-TF-151)        | 7.2 | 6.3 | 5.9 | 6.9 | 8.1 | 6.4 | 6.8  |
| SCREAMER LS (PPG-TF-148)    | 7.4 | 6.4 | 6.1 | 6.5 | 8.0 | 6.4 | 6.8  |

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT SIX LOCATIONS 1/  
IN THE TRANSITION REGION  
2015 DATA

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

| NAME                         | KY1 | MD1 | MO1 | NC1 | TN1 | VA1 | MEAN |
|------------------------------|-----|-----|-----|-----|-----|-----|------|
| FIRECRACKER SLS (PPG-TF-105) | 7.1 | 6.5 | 5.6 | 6.8 | 8.3 | 6.5 | 6.8  |
| ATF 1704                     | 7.1 | 6.0 | 5.8 | 6.6 | 8.1 | 7.0 | 6.8  |
| MICHELANGELO (LTP-F5DPDR)    | 7.3 | 5.9 | 5.9 | 6.8 | 8.1 | 6.6 | 6.8  |
| FAYETTE (IS-TF 291)          | 7.4 | 6.5 | 5.6 | 5.9 | 8.1 | 7.0 | 6.7  |
| EMBRACE (PST-5EV2)           | 7.3 | 6.3 | 6.2 | 6.2 | 7.8 | 6.5 | 6.7  |
| FAITH                        | 7.3 | 6.0 | 6.2 | 6.5 | 8.0 | 6.3 | 6.7  |
| PST-5BRK                     | 7.1 | 6.3 | 5.6 | 6.3 | 8.0 | 7.0 | 6.7  |
| ATF 1754                     | 7.1 | 6.0 | 6.0 | 6.3 | 7.8 | 6.8 | 6.7  |
| XTENDER (PPG-TF-139)         | 7.4 | 5.9 | 5.3 | 6.4 | 8.3 | 6.9 | 6.7  |
| SALTILLO (PST-5SALT)         | 7.3 | 6.0 | 6.0 | 5.9 | 8.1 | 6.8 | 6.7  |
| IS-TF 269 SEL                | 7.2 | 6.3 | 6.1 | 6.3 | 8.1 | 6.1 | 6.7  |
| IS-TF 276 M2                 | 7.3 | 5.6 | 6.5 | 6.5 | 8.0 | 6.2 | 6.7  |
| FIREBIRD 2                   | 7.4 | 6.4 | 5.5 | 6.0 | 8.2 | 6.5 | 6.7  |
| PPG-TF-138                   | 7.5 | 5.5 | 6.2 | 6.3 | 8.0 | 6.5 | 6.7  |
| DIABLO (IS-TF 330)           | 7.1 | 6.0 | 6.3 | 6.5 | 8.1 | 5.8 | 6.7  |
| RHIZING MOON (IS-TF 305 SEL) | 7.4 | 5.9 | 6.2 | 5.8 | 8.3 | 6.4 | 6.7  |
| FOXHOUND (IS-TF 284 M2)      | 7.1 | 6.0 | 5.8 | 6.1 | 8.3 | 6.6 | 6.6  |
| ATF 1612                     | 7.3 | 6.4 | 5.9 | 6.0 | 8.0 | 6.3 | 6.6  |
| BULLSEYE                     | 7.4 | 5.9 | 6.2 | 6.0 | 8.1 | 6.1 | 6.6  |
| PST-5BPO                     | 7.1 | 6.0 | 6.0 | 6.5 | 7.7 | 6.4 | 6.6  |
| TURFWAY (IS-TF 282 M2)       | 7.2 | 5.9 | 5.5 | 6.2 | 8.1 | 6.7 | 6.6  |
| FALCON V                     | 7.2 | 6.3 | 5.9 | 6.3 | 7.7 | 6.2 | 6.6  |
| HOVER (BURL TF-69)           | 7.1 | 5.8 | 5.6 | 6.2 | 7.7 | 7.0 | 6.6  |
| TERRANO                      | 7.1 | 6.1 | 5.8 | 6.1 | 7.9 | 6.5 | 6.6  |
| DYNAMITE LS (PPG-TF-145)     | 7.2 | 5.4 | 5.9 | 5.9 | 8.0 | 6.8 | 6.5  |
| PPG-TF-115                   | 7.2 | 5.7 | 5.6 | 6.0 | 8.3 | 6.4 | 6.5  |
| KINGDOM (DB1)                | 7.3 | 6.2 | 5.5 | 6.5 | 7.7 | 6.0 | 6.5  |
| RAD-TF-89                    | 7.2 | 5.8 | 5.9 | 6.4 | 7.6 | 6.2 | 6.5  |
| TEMPTATION (OR-21)           | 7.3 | 5.4 | 6.3 | 6.2 | 8.1 | 5.8 | 6.5  |
| ARES (PPG-TF-142)            | 7.1 | 5.0 | 6.7 | 5.8 | 7.9 | 6.6 | 6.5  |
| PST-5MVD                     | 6.9 | 5.8 | 5.9 | 6.2 | 7.7 | 6.5 | 6.5  |
| UNITUS (IS-TF 289)           | 7.3 | 6.0 | 5.5 | 6.2 | 8.0 | 6.0 | 6.5  |
| IS-TF-287                    | 7.6 | 5.8 | 5.6 | 5.8 | 8.0 | 6.2 | 6.5  |
| K12-MCD                      | 7.0 | 5.6 | 6.0 | 6.1 | 7.6 | 6.6 | 6.5  |
| CAESAR (TY 10)               | 7.0 | 5.7 | 5.8 | 6.2 | 7.9 | 6.3 | 6.5  |
| NIGHTCRAWLER (IS-TF 285)     | 7.2 | 5.7 | 5.7 | 6.2 | 7.9 | 6.2 | 6.5  |
| THUNDERSTRUCK (TD1)          | 7.2 | 5.4 | 6.0 | 6.2 | 8.0 | 6.0 | 6.5  |
| ATF 1736                     | 7.3 | 6.0 | 5.4 | 5.7 | 7.8 | 6.5 | 6.5  |
| SWAGGER (PST-5R05)           | 7.1 | 5.5 | 6.3 | 5.9 | 7.9 | 6.0 | 6.4  |
| MERIDIAN (PST-5GRB)          | 7.1 | 5.6 | 5.8 | 6.2 | 8.0 | 6.0 | 6.4  |
| RAIN DANCE (PST-5SDT)        | 7.0 | 5.2 | 6.1 | 6.3 | 7.6 | 6.3 | 6.4  |
| K12-05                       | 7.1 | 5.5 | 5.8 | 6.1 | 8.0 | 6.0 | 6.4  |
| RAD-TF-92                    | 7.1 | 5.5 | 5.8 | 5.9 | 7.8 | 6.2 | 6.4  |
| PST-5EX2                     | 6.9 | 5.2 | 5.8 | 6.6 | 7.9 | 5.9 | 6.4  |

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT SIX LOCATIONS 1/  
IN THE TRANSITION REGION  
2015 DATA

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

| NAME                   | KY1 | MD1 | MO1 | NC1 | TN1 | VA1 | MEAN |
|------------------------|-----|-----|-----|-----|-----|-----|------|
| OLYMPUS (RAD-TF-88)    | 7.2 | 5.9 | 5.4 | 6.2 | 7.9 | 5.8 | 6.4  |
| MEMPHIS (GO-DFR)       | 7.1 | 5.9 | 5.5 | 6.0 | 7.9 | 5.6 | 6.3  |
| FALCON IV              | 7.0 | 5.2 | 5.9 | 5.9 | 7.7 | 6.1 | 6.3  |
| IS-TF 272              | 7.1 | 5.9 | 5.6 | 5.6 | 8.1 | 5.5 | 6.3  |
| PSG-TT4                | 7.0 | 5.5 | 5.5 | 5.8 | 7.8 | 6.2 | 6.3  |
| PSG-GSD                | 7.0 | 5.1 | 5.6 | 6.0 | 7.9 | 6.1 | 6.3  |
| PST-5DZP               | 7.1 | 5.2 | 5.6 | 5.9 | 7.6 | 6.0 | 6.2  |
| BAR FA 121089          | 6.9 | 5.1 | 5.6 | 5.9 | 7.7 | 6.1 | 6.2  |
| RAD-TF-83              | 7.0 | 5.3 | 5.6 | 5.8 | 7.6 | 5.9 | 6.2  |
| BAR FA 121091          | 6.9 | 5.4 | 5.5 | 5.8 | 7.5 | 5.8 | 6.2  |
| AQUADUCT               | 6.8 | 4.7 | 4.9 | 6.5 | 7.6 | 6.5 | 6.2  |
| PSG-8BP2               | 7.0 | 4.9 | 5.9 | 5.7 | 7.5 | 6.0 | 6.2  |
| BAR FA 121095          | 7.1 | 5.2 | 5.9 | 5.4 | 7.6 | 5.4 | 6.1  |
| INSPIRATION (PST-R5NW) | 6.9 | 4.7 | 5.8 | 5.6 | 7.7 | 6.0 | 6.1  |
| JS 818                 | 7.0 | 5.0 | 5.6 | 5.7 | 7.4 | 5.6 | 6.1  |
| 204 RES. BLK4          | 6.8 | 5.0 | 5.3 | 5.6 | 8.3 | 5.3 | 6.0  |
| FRONTLINE (EXP TF-09)  | 6.9 | 4.6 | 5.3 | 6.0 | 7.8 | 5.7 | 6.0  |
| JS 819                 | 6.9 | 4.7 | 5.5 | 5.6 | 7.5 | 5.8 | 6.0  |
| JS 825                 | 6.8 | 4.8 | 5.5 | 5.7 | 7.5 | 5.7 | 6.0  |
| MARAUDER               | 6.8 | 4.3 | 5.8 | 5.5 | 7.9 | 5.8 | 6.0  |
| JS 809                 | 6.9 | 5.1 | 5.3 | 5.4 | 7.4 | 5.5 | 5.9  |
| WARHAWK                | 6.7 | 4.0 | 5.2 | 5.8 | 8.1 | 5.8 | 5.9  |
| COMP. RES. SST         | 6.8 | 4.7 | 5.4 | 5.5 | 7.8 | 5.1 | 5.9  |
| ANNIHILATOR            | 6.9 | 4.2 | 5.1 | 5.8 | 7.9 | 5.3 | 5.9  |
| K12-13                 | 6.9 | 5.3 | 5.3 | 5.2 | 7.8 | 4.5 | 5.8  |
| BAR FA 120878          | 6.2 | 3.6 | 4.8 | 5.3 | 7.3 | 5.9 | 5.5  |
| KY-31                  | 4.1 | 2.8 | 3.8 | 4.3 | 6.4 | 5.5 | 4.5  |
| LSD VALUE              | 0.3 | 0.6 | 0.9 | 0.8 | 0.4 | 1.0 | 0.3  |
| C.V. (%)               | 2.4 | 6.8 | 9.0 | 7.8 | 2.8 | 9.2 | 6.5  |

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

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

TABLE 8.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT TWO LOCATIONS 1/  
IN THE SOUTHEAST REGION  
2015 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |     |     |      |                              |     |     |      |  |
|--|-----|-----|------|------------------------------|-----|-----|------|--|
| NAME   | GA1 | MS1 | MEAN | NAME                         | GA1 | MS1 | MEAN |  |
| AVENGER II (PPG-TF-156)                        | 5.8 | 6.5 | 6.1  | W41                          | 5.4 | 6.3 | 5.8  |  |
| MET 1  | 5.9 | 6.3 | 6.1  | IS-TF 269 SEL                | 5.3 | 6.3 | 5.8  |  |
| TITANIUM 2LS (PPG-TF-152)                      | 6.1 | 6.1 | 6.1  | MET-3                        | 5.3 | 6.3 | 5.8  |  |
| FIREBIRD 2                                     | 5.9 | 6.3 | 6.1  | TEMPLE (DZ1)                 | 5.3 | 6.3 | 5.8  |  |
| WICHITA (PPG-TF-151)                           | 5.8 | 6.3 | 6.1  | THUNDERSTRUCK (TD1)          | 5.3 | 6.4 | 5.8  |  |
| SUPERSONIC (PPG-TF-170)                        | 5.9 | 6.3 | 6.1  | RAIN DANCE (PST-5SDT)        | 5.5 | 6.1 | 5.8  |  |
| TURFWAY (IS-TF 282 M2)                         | 5.8 | 6.4 | 6.1  | REBOUNDER (PICK-W43)         | 5.4 | 6.2 | 5.8  |  |
| GTO (BURL TF-2)                                | 6.1 | 6.1 | 6.1  | ATF 1736                     | 5.4 | 6.1 | 5.8  |  |
| PPG-TF-169                                     | 5.8 | 6.3 | 6.1  | IS-TF 311                    | 5.6 | 6.0 | 5.8  |  |
| ATF 1704                                       | 5.9 | 6.3 | 6.1  | NIGHTCRAWLER (IS-TF 285)     | 5.4 | 6.1 | 5.8  |  |
| FAITH  | 5.6 | 6.5 | 6.0  | ROCKWELL (LTP-TWUU)          | 5.3 | 6.3 | 5.8  |  |
| IS-TF 308 SEL                                  | 5.8 | 6.2 | 6.0  | RAPTOR III (ZW 44)           | 5.1 | 6.4 | 5.8  |  |
| BIZEM  | 5.8 | 6.3 | 6.0  | FAYETTE (IS-TF 291)          | 5.4 | 6.1 | 5.8  |  |
| EMBRACE (PST-5EV2)                             | 5.9 | 6.1 | 6.0  | FIREWALL (PSG-WE1)           | 5.2 | 6.3 | 5.8  |  |
| HEMI   | 5.8 | 6.2 | 6.0  | HOUNDOG8 (IS-TF 307 SEL)     | 5.2 | 6.3 | 5.8  |  |
| RHIZING MOON (IS-TF 305 SEL)                   | 5.8 | 6.2 | 6.0  | PPG-TF-138                   | 5.2 | 6.3 | 5.8  |  |
| TECHNIQUE (RZ2)                                | 5.6 | 6.3 | 6.0  | GRANDE 3                     | 5.4 | 6.1 | 5.7  |  |
| REGENERATE                                     | 5.6 | 6.3 | 6.0  | MICHELANGELO (LTP-F5DPDR)    | 5.3 | 6.2 | 5.7  |  |
| ATF 1612                                       | 5.5 | 6.4 | 5.9  | PPG-TF-115                   | 5.3 | 6.2 | 5.7  |  |
| ATF 1754                                       | 5.6 | 6.3 | 5.9  | BLACK TAIL (PPG-TF-150)      | 5.2 | 6.3 | 5.7  |  |
| CROSSFIRE 4 (IS-TF 310 SEL)                    | 5.6 | 6.3 | 5.9  | OLYMPUS (RAD-TF-88)          | 5.4 | 6.1 | 5.7  |  |
| K12-05   | 5.7 | 6.2 | 5.9  | MEMPHIS (GO-DFR)             | 5.2 | 6.2 | 5.7  |  |
| MAESTRO (T31)                                  | 5.6 | 6.3 | 5.9  | MERIDIAN (PST-5GRB)          | 5.1 | 6.3 | 5.7  |  |
| PPG-TF-135                                     | 5.5 | 6.4 | 5.9  | FIRECRACKER SLS (PPG-TF-105) | 5.3 | 6.0 | 5.7  |  |
| AMITY (CCR2)                                   | 5.5 | 6.3 | 5.9  | IS-TF 276 M2                 | 5.4 | 6.0 | 5.7  |  |
| REFLECTION (U45)                               | 5.9 | 6.0 | 5.9  | K12-13                       | 5.3 | 6.0 | 5.7  |  |
| PST-5EX2                                       | 5.8 | 6.1 | 5.9  | CAESAR (TY 10)               | 5.1 | 6.2 | 5.7  |  |
| PST-5MVD                                       | 5.6 | 6.3 | 5.9  | BLOODHOUND (MET 6 SEL)       | 5.3 | 5.9 | 5.6  |  |
| UNITUS (IS-TF 289)                             | 5.7 | 6.1 | 5.9  | DIABLO (IS-TF 330)           | 5.2 | 6.1 | 5.6  |  |
| TRAVERSE 2 SRP (W45)                           | 5.5 | 6.3 | 5.9  | F711                         | 5.1 | 6.1 | 5.6  |  |
| PST-5BPO                                       | 5.9 | 5.9 | 5.9  | ARES (PPG-TF-142)            | 5.4 | 5.8 | 5.6  |  |
| PST-5BRK                                       | 5.8 | 6.0 | 5.9  | IS-TF-287                    | 5.1 | 6.1 | 5.6  |  |
| PSG-P01  | 5.4 | 6.3 | 5.9  | RAD-TF-89                    | 4.9 | 6.3 | 5.6  |  |
| JS 916   | 5.4 | 6.3 | 5.9  | SALTILLO (PST-5SALT)         | 5.1 | 5.9 | 5.5  |  |
| XTENDER (PPG-TF-139)                           | 5.8 | 6.0 | 5.9  | COMP. RES. SST               | 5.1 | 5.9 | 5.5  |  |
| VALKYRIE LS (PPG-TF-172)                       | 5.3 | 6.4 | 5.9  | ROWDY (SRX-TPC)              | 5.1 | 6.0 | 5.5  |  |
| THOR (PPG-TF-157)                              | 5.3 | 6.4 | 5.9  | PSG-TT4                      | 5.1 | 5.9 | 5.5  |  |
| K12-MCD  | 5.5 | 6.2 | 5.8  | SWAGGER (PST-5R05)           | 5.0 | 6.1 | 5.5  |  |
| KINGDOM (DB1)                                  | 5.5 | 6.2 | 5.8  | HOT ROD (BURL TF-136)        | 5.0 | 6.0 | 5.5  |  |
| PARAMOUNT (PPG-TF-137)                         | 5.4 | 6.3 | 5.8  | HOVER (BURL TF-69)           | 4.6 | 6.4 | 5.5  |  |
| BAR FA 121095                                  | 5.6 | 6.1 | 5.8  | 4TH MILLENNIUM SRP (U43)     | 4.9 | 6.1 | 5.5  |  |
| SCREAMER LS (PPG-TF-148)                       | 5.4 | 6.3 | 5.8  | FALCON V                     | 5.2 | 5.8 | 5.5  |  |
| FOXHOUND (IS-TF 284 M2)                        | 5.4 | 6.3 | 5.8  | FESNOVA                      | 4.7 | 6.3 | 5.5  |  |
| LEONARDO (LTP-FSD)                             | 5.3 | 6.3 | 5.8  | RAD-TF-92                    | 4.6 | 6.3 | 5.5  |  |
|  |     |     |      | TERRANO                      | 4.9 | 6.1 | 5.5  |  |



MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT TWO LOCATIONS 1/  
IN THE SOUTHEAST REGION  
2015 DATA

TABLE 8. TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/  
(CONT'D)

| NAME                     | GA1  | MS1 | MEAN |
|--------------------------|------|-----|------|
| IS-TF 272                | 4.6  | 6.4 | 5.5  |
| DYNAMITE LS (PPG-TF-145) | 5.1  | 5.8 | 5.5  |
| PSG-GSD                  | 4.8  | 6.1 | 5.5  |
| JS 825                   | 4.9  | 6.0 | 5.4  |
| JS 809                   | 4.9  | 5.9 | 5.4  |
| BULLSEYE                 | 4.8  | 6.0 | 5.4  |
| RAD-TF-83                | 4.5  | 6.3 | 5.4  |
| INSPIRATION (PST-R5NW)   | 4.8  | 6.0 | 5.4  |
| PST-5DZP                 | 4.9  | 5.8 | 5.4  |
| PSG-8BP2                 | 4.9  | 5.8 | 5.3  |
| BAR FA 121089            | 4.8  | 5.8 | 5.3  |
| JS 819                   | 4.8  | 5.8 | 5.3  |
| RHAMBLER 2 SRP (LSD)     | 5.0  | 5.6 | 5.3  |
| 204 RES. BLK4            | 4.5  | 6.1 | 5.3  |
| FALCON IV                | 4.8  | 5.8 | 5.3  |
| WARHAWK                  | 4.6  | 5.9 | 5.3  |
| ANNIHILATOR              | 4.6  | 5.9 | 5.2  |
| BAR FA 121091            | 4.6  | 5.8 | 5.2  |
| FRONTLINE (EXP TF-09)    | 4.3  | 6.1 | 5.2  |
| MARAUDER                 | 4.4  | 5.9 | 5.2  |
| CATALYST                 | 4.4  | 5.9 | 5.1  |
| TEMPTATION (OR-21)       | 4.5  | 5.7 | 5.1  |
| B23                      | 4.2  | 6.0 | 5.1  |
| JS 818                   | 3.9  | 6.1 | 5.0  |
| AQUADUCT                 | 4.1  | 5.8 | 4.9  |
| BAR FA 120878            | 4.6  | 5.1 | 4.9  |
| KY-31                    | 4.1  | 4.2 | 4.2  |
| LSD VALUE                | 1.0  | 0.4 | 0.5  |
| C.V. (%)                 | 12.0 | 3.9 | 8.4  |

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

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

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT FOUR LOCATIONS 1/  
IN THE NORTH CENTRAL REGION  
2015 DATA

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

| NAME                         | IA1 | IL1 | IN1 | NE1 | MEAN |
|------------------------------|-----|-----|-----|-----|------|
| REGENERATE                   | 7.8 | 6.7 | 6.3 | 5.9 | 6.7  |
| 4TH MILLENNIUM SRP (U43)     | 7.6 | 6.3 | 6.7 | 5.7 | 6.6  |
| AMITY (CCR2)                 | 7.5 | 6.7 | 6.2 | 5.8 | 6.5  |
| RAPTOR III (ZW 44)           | 7.5 | 6.6 | 6.2 | 5.8 | 6.5  |
| TRAVERSE 2 SRP (W45)         | 7.8 | 6.4 | 5.9 | 5.9 | 6.5  |
| HEMI                         | 7.4 | 6.6 | 6.4 | 5.6 | 6.5  |
| FAYETTE (IS-TF 291)          | 7.7 | 6.3 | 6.3 | 5.6 | 6.5  |
| AVENGER II (PPG-TF-156)      | 7.1 | 6.6 | 6.1 | 6.0 | 6.5  |
| PPG-TF-135                   | 7.6 | 6.8 | 6.0 | 5.5 | 6.5  |
| REFLECTION (U45)             | 7.4 | 6.3 | 6.3 | 5.7 | 6.5  |
| B23                          | 7.6 | 6.0 | 6.4 | 5.8 | 6.4  |
| MAESTRO (T31)                | 7.2 | 6.7 | 6.1 | 5.7 | 6.4  |
| BIZEM                        | 7.8 | 6.3 | 5.9 | 5.7 | 6.4  |
| W41                          | 7.4 | 6.6 | 6.0 | 5.6 | 6.4  |
| REBOUNDER (PICK-W43)         | 7.6 | 6.3 | 5.9 | 5.7 | 6.4  |
| HOT ROD (BURL TF-136)        | 7.5 | 6.1 | 6.3 | 5.6 | 6.4  |
| MET 1                        | 7.5 | 6.2 | 6.1 | 5.7 | 6.4  |
| TITANIUM 2LS (PPG-TF-152)    | 7.1 | 6.5 | 6.3 | 5.5 | 6.4  |
| BLOODHOUND (MET 6 SEL)       | 7.1 | 6.5 | 6.0 | 5.8 | 6.3  |
| TEMPLE (DZ1)                 | 7.3 | 6.5 | 5.7 | 5.9 | 6.3  |
| MICHELANGELO (LTP-F5DPDR)    | 7.5 | 6.5 | 5.9 | 5.5 | 6.3  |
| CATALYST                     | 7.4 | 6.2 | 6.1 | 5.6 | 6.3  |
| FIRECRACKER SLS (PPG-TF-105) | 7.3 | 6.1 | 6.3 | 5.5 | 6.3  |
| THOR (PPG-TF-157)            | 7.7 | 6.2 | 5.9 | 5.5 | 6.3  |
| F711                         | 7.3 | 6.5 | 6.2 | 5.3 | 6.3  |
| IS-TF 269 SEL                | 7.6 | 5.9 | 6.2 | 5.5 | 6.3  |
| RHIZING MOON (IS-TF 305 SEL) | 7.2 | 6.3 | 6.0 | 5.8 | 6.3  |
| SUPERSONIC (PPG-TF-170)      | 6.9 | 6.5 | 6.0 | 5.8 | 6.3  |
| XTENDER (PPG-TF-139)         | 7.3 | 6.3 | 6.0 | 5.6 | 6.3  |
| FIREWALL (PSG-WE1)           | 6.8 | 6.5 | 6.0 | 5.8 | 6.3  |
| GTO (BURL TF-2)              | 7.3 | 6.3 | 6.0 | 5.6 | 6.3  |
| BLACK TAIL (PPG-TF-150)      | 7.4 | 6.4 | 5.7 | 5.7 | 6.3  |
| TECHNIQUE (RZ2)              | 7.3 | 6.1 | 5.9 | 5.7 | 6.3  |
| VALKYRIE LS (PPG-TF-172)     | 7.2 | 6.4 | 5.8 | 5.7 | 6.3  |
| PSG-PO1                      | 7.4 | 6.0 | 5.9 | 5.8 | 6.3  |
| FALCON V                     | 7.4 | 6.0 | 5.8 | 5.8 | 6.3  |
| IS-TF 308 SEL                | 6.9 | 6.4 | 5.8 | 5.9 | 6.2  |
| JS 916                       | 7.2 | 6.4 | 5.8 | 5.6 | 6.2  |
| FAITH                        | 7.2 | 6.2 | 6.0 | 5.7 | 6.2  |
| MET-3                        | 7.1 | 6.5 | 5.7 | 5.7 | 6.2  |
| PARAMOUNT (PPG-TF-137)       | 7.1 | 6.3 | 6.0 | 5.6 | 6.2  |
| PPG-TF-138                   | 7.3 | 6.0 | 6.0 | 5.6 | 6.2  |
| BULLSEYE                     | 7.5 | 6.1 | 5.8 | 5.5 | 6.2  |
| DIABLO (IS-TF 330)           | 7.4 | 6.1 | 5.7 | 5.6 | 6.2  |
| ATF 1612                     | 7.4 | 6.2 | 5.8 | 5.4 | 6.2  |

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) GROWN AT FOUR LOCATIONS 1/  
 IN THE NORTH CENTRAL REGION  
 2015 DATA

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

| NAME                        | IA1 | IL1 | IN1 | NE1 | MEAN |
|-----------------------------|-----|-----|-----|-----|------|
| UNITUS (IS-TF 289)          | 7.4 | 6.3 | 5.9 | 5.2 | 6.2  |
| ROCKWELL (LTP-TWUJ)         | 7.3 | 5.9 | 5.9 | 5.7 | 6.2  |
| PPG-TF-169                  | 7.2 | 6.2 | 5.9 | 5.5 | 6.2  |
| ATF 1754                    | 7.2 | 6.1 | 5.8 | 5.6 | 6.2  |
| PPG-TF-115                  | 7.2 | 6.1 | 6.0 | 5.4 | 6.2  |
| SCREAMER LS (PPG-TF-148)    | 7.1 | 5.9 | 6.1 | 5.5 | 6.2  |
| RAD-TF-89                   | 7.6 | 6.1 | 5.4 | 5.4 | 6.2  |
| FIREBIRD 2                  | 6.8 | 6.3 | 6.1 | 5.4 | 6.1  |
| GRANDE 3                    | 6.6 | 6.4 | 6.0 | 5.5 | 6.1  |
| ROWDY (SRX-TPC)             | 6.9 | 6.3 | 5.9 | 5.5 | 6.1  |
| THUNDERSTRUCK (TD1)         | 7.4 | 6.1 | 5.6 | 5.4 | 6.1  |
| IS-TF 311                   | 7.0 | 6.0 | 6.1 | 5.4 | 6.1  |
| FOXHOUND (IS-TF 284 M2)     | 7.4 | 5.9 | 5.6 | 5.6 | 6.1  |
| FESNOVA                     | 7.4 | 6.1 | 5.7 | 5.2 | 6.1  |
| WICHITA (PPG-TF-151)        | 7.1 | 6.2 | 5.8 | 5.3 | 6.1  |
| PST-5BPO                    | 7.0 | 6.3 | 5.8 | 5.3 | 6.1  |
| RHAMBLER 2 SRP (LSD)        | 7.3 | 5.7 | 5.9 | 5.5 | 6.1  |
| DYNAMITE LS (PPG-TF-145)    | 7.4 | 6.0 | 5.8 | 5.2 | 6.1  |
| PST-5BRK                    | 7.3 | 5.9 | 5.9 | 5.3 | 6.1  |
| KINGDOM (DB1)               | 7.2 | 6.0 | 5.8 | 5.4 | 6.1  |
| EMBRACE (PST-5EV2)          | 7.2 | 5.9 | 6.0 | 5.3 | 6.1  |
| NIGHTCRAWLER (IS-TF 285)    | 7.1 | 6.0 | 6.0 | 5.3 | 6.1  |
| HOVER (BURL TF-69)          | 6.6 | 6.0 | 5.7 | 6.0 | 6.1  |
| HOUNDOG8 (IS-TF 307 SEL)    | 7.2 | 6.0 | 5.8 | 5.3 | 6.1  |
| CAESAR (TY 10)              | 7.3 | 6.0 | 5.7 | 5.2 | 6.0  |
| ARES (PPG-TF-142)           | 7.3 | 5.9 | 5.6 | 5.3 | 6.0  |
| RAD-TF-92                   | 6.9 | 5.9 | 5.6 | 5.8 | 6.0  |
| MERIDIAN (PST-5GRB)         | 7.1 | 5.6 | 6.1 | 5.3 | 6.0  |
| IS-TF 276 M2                | 7.3 | 5.8 | 5.7 | 5.2 | 6.0  |
| LEONARDO (LTP-FSD)          | 6.9 | 6.0 | 5.6 | 5.3 | 6.0  |
| TERRANO                     | 7.1 | 6.3 | 5.5 | 5.0 | 6.0  |
| CROSSFIRE 4 (IS-TF 310 SEL) | 6.7 | 5.9 | 5.8 | 5.5 | 6.0  |
| IS-TF 272                   | 7.3 | 5.7 | 5.6 | 5.3 | 6.0  |
| PST-5MVD                    | 7.0 | 5.8 | 5.7 | 5.3 | 6.0  |
| TEMPTATION (OR-21)          | 7.3 | 5.7 | 5.4 | 5.5 | 6.0  |
| ATF 1736                    | 6.9 | 6.0 | 5.7 | 5.2 | 6.0  |
| OLYMPUS (RAD-TF-88)         | 6.7 | 6.0 | 5.7 | 5.4 | 6.0  |
| SALTILLO (PST-5SALT)        | 6.9 | 5.8 | 5.9 | 5.2 | 6.0  |
| TURFWAY (IS-TF 282 M2)      | 6.9 | 5.7 | 5.9 | 5.2 | 6.0  |
| RAD-TF-83                   | 7.2 | 5.7 | 5.6 | 5.3 | 5.9  |
| K12-05                      | 7.4 | 5.7 | 5.4 | 5.3 | 5.9  |
| FALCON IV                   | 6.9 | 5.6 | 5.9 | 5.2 | 5.9  |
| PSG-GSD                     | 6.8 | 5.6 | 6.0 | 5.2 | 5.9  |
| K12-MCD                     | 6.7 | 5.9 | 5.7 | 5.2 | 5.9  |
| MEMPHIS (GO-DFR)            | 6.9 | 5.7 | 5.8 | 5.1 | 5.9  |

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT FOUR LOCATIONS 1/  
IN THE NORTH CENTRAL REGION  
2015 DATA

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

| NAME                   | IA1 | IL1 | IN1 | NE1 | MEAN |
|------------------------|-----|-----|-----|-----|------|
| ATF 1704               | 6.4 | 5.8 | 5.8 | 5.4 | 5.9  |
| INSPIRATION (PST-R5NW) | 7.1 | 5.5 | 5.6 | 5.2 | 5.9  |
| PST-5DZP               | 6.8 | 5.7 | 5.7 | 5.2 | 5.8  |
| JS 809                 | 6.9 | 5.6 | 5.4 | 5.3 | 5.8  |
| PST-5EX2               | 6.7 | 5.7 | 5.5 | 5.4 | 5.8  |
| JS 818                 | 6.9 | 5.8 | 5.4 | 5.2 | 5.8  |
| IS-TF-287              | 6.4 | 5.9 | 5.5 | 5.3 | 5.8  |
| JS 819                 | 6.7 | 5.8 | 5.5 | 5.1 | 5.8  |
| BAR FA 121095          | 6.9 | 5.4 | 5.5 | 5.2 | 5.8  |
| PSG-8BP2               | 6.4 | 5.6 | 5.8 | 5.1 | 5.7  |
| PSG-TT4                | 6.4 | 5.8 | 5.7 | 5.1 | 5.7  |
| FRONTLINE (EXP TF-09)  | 6.8 | 5.5 | 5.4 | 5.1 | 5.7  |
| RAIN DANCE (PST-5SDT)  | 6.9 | 5.2 | 5.5 | 5.0 | 5.7  |
| BAR FA 121091          | 6.6 | 5.6 | 5.3 | 5.1 | 5.7  |
| SWAGGER (PST-5R05)     | 6.9 | 4.9 | 5.4 | 5.2 | 5.6  |
| JS 825                 | 6.8 | 5.3 | 5.2 | 5.0 | 5.6  |
| AQUADUCT               | 6.3 | 5.0 | 5.7 | 5.0 | 5.5  |
| K12-13                 | 6.9 | 5.3 | 4.9 | 4.9 | 5.5  |
| BAR FA 121089          | 6.6 | 5.3 | 4.9 | 5.0 | 5.4  |
| MARAUDER               | 5.8 | 5.7 | 5.2 | 5.0 | 5.4  |
| COMP. RES. SST         | 6.5 | 5.3 | 4.9 | 5.0 | 5.4  |
| WARHAWK                | 6.4 | 5.5 | 4.6 | 5.1 | 5.4  |
| ANNIHILATOR            | 5.9 | 5.2 | 5.3 | 4.6 | 5.3  |
| 204 RES. BLK4          | 5.6 | 5.0 | 4.6 | 5.1 | 5.1  |
| BAR FA 120878          | 6.1 | 4.3 | 5.1 | 4.5 | 5.0  |
| KY-31                  | 4.0 | 3.2 | 4.0 | 3.1 | 3.6  |
| LSD VALUE              | 0.7 | 0.6 | 0.5 | 0.4 | 0.3  |
| C.V. (%)               | 6.2 | 6.2 | 5.5 | 4.8 | 5.8  |

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

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

TABLE 10.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH  
MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/  
2015 DATA

| NAME                         | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/ |     |     |     |     |     |     |     |     |     |     |     | MEAN |
|------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                              | JAN  | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |      |
| TECHNIQUE (RZ2)              | 7.0  | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.3 | 7.3 | 7.3 | 7.3 | 7.7 | 7.7 | 7.2  |
| 4TH MILLENNIUM SRP (U43)     | 6.7  | 7.0 | 6.7 | 6.7 | 7.0 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.7 | 7.7 | 7.2  |
| REBOUNDER (PICK-W43)         | 7.7  | 7.7 | 7.3 | 6.7 | 6.7 | 6.7 | 6.3 | 6.7 | 7.0 | 7.0 | 8.0 | 8.0 | 7.1  |
| FALCON V                     | 7.0  | 7.3 | 7.0 | 6.7 | 7.0 | 6.7 | 7.0 | 7.0 | 7.0 | 7.3 | 7.3 | 7.3 | 7.1  |
| MAESTRO (T31)                | 7.7  | 8.0 | 7.7 | 7.7 | 6.7 | 6.3 | 6.7 | 6.3 | 7.0 | 7.0 | 6.7 | 6.7 | 7.0  |
| SCREAMER LS (PPG-TF-148)     | 7.0  | 7.3 | 7.0 | 6.7 | 7.0 | 6.3 | 6.7 | 6.7 | 7.0 | 7.0 | 7.7 | 7.7 | 7.0  |
| IS-TF 311                    | 7.0  | 7.3 | 7.3 | 7.0 | 6.7 | 6.7 | 7.0 | 6.7 | 7.0 | 6.7 | 7.0 | 7.3 | 7.0  |
| PSG-P01                      | 6.7  | 7.7 | 7.0 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 6.9  |
| BLACK TAIL (PPG-TF-150)      | 6.7  | 7.0 | 6.7 | 6.7 | 6.7 | 7.0 | 7.0 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 6.9  |
| TEMPLE (DZ1)                 | 6.7  | 6.3 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 7.0 | 7.0 | 7.3 | 7.7 | 7.7 | 6.9  |
| ATF 1612                     | 6.7  | 7.3 | 6.7 | 7.0 | 6.3 | 6.3 | 6.3 | 7.0 | 7.0 | 7.0 | 7.3 | 7.3 | 6.9  |
| HOVER (BURL TF-69)           | 6.7  | 6.7 | 6.3 | 6.7 | 6.7 | 6.7 | 6.7 | 7.0 | 7.0 | 7.0 | 7.3 | 7.3 | 6.8  |
| MET 1                        | 6.7  | 7.3 | 7.0 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 7.0 | 7.0 | 7.0 | 6.7 | 6.8  |
| FIREWALL (PSG-WE1)           | 7.0  | 7.3 | 7.0 | 7.0 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.8  |
| ROCKWELL (LTP-TWJU)          | 7.0  | 7.3 | 7.0 | 7.0 | 6.7 | 6.7 | 6.3 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.8  |
| 204 RES. BLK4                | 6.7  | 6.3 | 6.3 | 6.7 | 6.3 | 6.7 | 7.0 | 6.7 | 7.0 | 7.3 | 7.3 | 7.0 | 6.8  |
| MET-3                        | 6.7  | 7.3 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 6.7 | 6.7 | 6.3 | 6.3 | 6.3 | 6.8  |
| REFLECTION (U45)             | 6.7  | 7.0 | 7.0 | 7.0 | 6.3 | 6.7 | 7.0 | 6.3 | 6.7 | 6.3 | 6.7 | 6.7 | 6.7  |
| REGENERATE                   | 6.7  | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.3 | 6.7 | 6.7 | 6.7 | 7.0 | 7.0 | 6.7  |
| GTO (BURL TF-2)              | 6.7  | 7.0 | 6.7 | 6.7 | 6.0 | 6.0 | 6.7 | 6.0 | 7.0 | 6.7 | 7.3 | 7.3 | 6.7  |
| ATF 1704                     | 6.7  | 7.0 | 6.7 | 6.7 | 6.3 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.6  |
| AMITY (CCR2)                 | 6.3  | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 7.0 | 6.3 | 7.0 | 6.7 | 7.0 | 7.0 | 6.6  |
| SUPERSONIC (PPG-TF-170)      | 6.7  | 6.7 | 6.7 | 6.3 | 6.0 | 6.0 | 6.3 | 6.7 | 6.3 | 6.7 | 7.3 | 7.3 | 6.6  |
| HOT ROD (BURL TF-136)        | 6.3  | 7.0 | 6.7 | 6.7 | 7.0 | 7.3 | 6.7 | 6.7 | 6.0 | 6.7 | 6.0 | 6.0 | 6.6  |
| OLYMPUS (RAD-TF-88)          | 6.3  | 7.0 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.3 | 6.7 | 6.7 | 6.3 | 6.3 | 6.6  |
| XTENDER (PPG-TF-139)         | 6.7  | 7.0 | 7.0 | 6.3 | 6.0 | 6.0 | 6.0 | 7.0 | 6.0 | 7.0 | 7.0 | 7.0 | 6.6  |
| PARAMOUNT (PPG-TF-137)       | 6.7  | 6.3 | 6.7 | 6.3 | 6.3 | 6.7 | 6.3 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.6  |
| FIRECRACKER SLS (PPG-TF-105) | 6.7  | 6.7 | 6.7 | 6.7 | 6.3 | 6.3 | 6.3 | 6.7 | 6.3 | 6.7 | 6.7 | 6.3 | 6.5  |
| TITANIUM 2LS (PPG-TF-152)    | 7.0  | 8.0 | 7.0 | 6.3 | 6.0 | 5.7 | 5.7 | 6.3 | 6.7 | 6.3 | 6.7 | 6.7 | 6.5  |
| TERRANO                      | 6.7  | 7.3 | 6.7 | 6.7 | 6.0 | 6.0 | 6.0 | 6.7 | 6.7 | 6.3 | 6.7 | 6.7 | 6.5  |
| FAITH                        | 7.0  | 7.3 | 7.0 | 6.7 | 6.3 | 5.7 | 5.7 | 6.3 | 6.0 | 6.7 | 6.7 | 6.7 | 6.5  |
| JS 819                       | 6.3  | 6.3 | 6.3 | 6.3 | 6.0 | 6.0 | 6.0 | 7.0 | 6.7 | 7.0 | 7.0 | 7.0 | 6.5  |
| K12-05                       | 6.7  | 7.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.5  |
| W41                          | 6.3  | 6.7 | 6.3 | 6.3 | 6.0 | 6.0 | 6.3 | 6.7 | 6.3 | 7.0 | 7.0 | 7.0 | 6.5  |
| THOR (PPG-TF-157)            | 6.7  | 6.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.5  |
| JS 916                       | 6.3  | 6.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0 | 6.7 | 6.3 | 6.7 | 6.7 | 6.7 | 6.4  |
| PPG-TF-169                   | 7.0  | 6.7 | 6.7 | 6.3 | 5.7 | 5.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.4  |
| FAYETTE (IS-TF 291)          | 6.7  | 6.0 | 5.7 | 6.0 | 6.0 | 5.7 | 5.7 | 6.3 | 6.3 | 7.3 | 7.7 | 7.7 | 6.4  |
| GRANDE 3                     | 6.7  | 7.0 | 6.3 | 6.3 | 6.0 | 6.0 | 6.0 | 6.3 | 6.7 | 6.3 | 6.7 | 6.7 | 6.4  |
| HEMI                         | 6.3  | 7.0 | 6.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.4  |
| ROWDY (SRX-TPC)              | 6.3  | 7.3 | 6.7 | 6.3 | 5.7 | 6.0 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.4  |
| B23                          | 6.7  | 7.0 | 6.7 | 6.7 | 5.7 | 5.3 | 6.0 | 6.0 | 6.3 | 6.3 | 7.0 | 7.0 | 6.4  |
| BIZEM                        | 6.7  | 7.0 | 7.0 | 6.7 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0 | 6.3 | 6.3 | 6.3 | 6.4  |
| RAD-TF-92                    | 6.3  | 7.0 | 6.7 | 6.0 | 6.3 | 5.7 | 6.7 | 6.0 | 6.7 | 6.0 | 6.7 | 6.7 | 6.4  |

TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH  
MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/  
2015 DATA

| NAME                         | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/ |     |     |     |     |     |     |     |     |     |     |     |      |
|------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                              | JAN  | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 6.7  | 7.0 | 6.7 | 6.7 | 6.3 | 6.0 | 6.3 | 6.0 | 6.3 | 6.0 | 6.3 | 6.3 | 6.4  |
| FALCON IV                    | 6.3  | 6.7 | 6.3 | 6.3 | 6.0 | 5.7 | 6.3 | 6.0 | 6.7 | 6.3 | 7.0 | 7.0 | 6.4  |
| F711                         | 6.7  | 6.3 | 6.3 | 6.0 | 6.3 | 6.7 | 6.7 | 6.7 | 6.0 | 6.7 | 6.0 | 6.0 | 6.4  |
| RAD-TF-89                    | 6.7  | 7.0 | 6.7 | 6.3 | 6.0 | 5.7 | 5.7 | 6.3 | 6.3 | 6.3 | 6.7 | 6.7 | 6.4  |
| RHIZING MOON (IS-TF 305 SEL) | 6.7  | 6.7 | 6.7 | 6.7 | 5.7 | 5.7 | 5.7 | 6.3 | 6.7 | 6.3 | 6.7 | 6.7 | 6.4  |
| BLOODHOUND (MET 6 SEL)       | 6.3  | 6.0 | 6.0 | 5.7 | 6.0 | 5.7 | 6.3 | 6.3 | 7.0 | 6.7 | 7.0 | 7.0 | 6.3  |
| CATALYST                     | 6.3  | 6.7 | 6.3 | 6.3 | 6.0 | 6.0 | 6.0 | 6.7 | 6.0 | 6.3 | 6.7 | 6.7 | 6.3  |
| DYNAMITE LS (PPG-TF-145)     | 6.3  | 7.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0 | 6.3 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3  |
| EMBRACE (PST-5EV2)           | 6.7  | 6.7 | 6.3 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.7 | 6.7 | 6.7 | 6.3 | 6.3  |
| PPG-TF-135                   | 6.3  | 6.7 | 6.3 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0 | 6.7 | 6.3 | 6.7 | 6.7 | 6.3  |
| THUNDERSTRUCK (TD1)          | 6.0  | 6.0 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.0 | 6.7 | 6.7 | 6.7 | 6.7 | 6.3  |
| LEONARDO (LTP-FSD)           | 6.7  | 7.0 | 6.7 | 6.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0 | 6.0 | 6.3  |
| WICHITA (PPG-TF-151)         | 6.7  | 6.3 | 6.3 | 6.0 | 6.0 | 5.7 | 6.0 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.3  |
| ANNIHILATOR                  | 6.3  | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.7 | 6.3 | 6.7 | 6.7 | 6.2  |
| IS-TF 276 M2                 | 6.7  | 5.3 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.7 | 6.7 | 6.7 | 6.7 | 6.2  |
| K12-MCD                      | 6.3  | 6.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0 | 6.3 | 5.7 | 6.3 | 6.0 | 6.0 | 6.2  |
| FIREBIRD 2                   | 6.0  | 6.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0 | 6.3 | 6.3 | 5.7 | 5.7 | 6.2  |
| DIABLO (IS-TF 330)           | 6.3  | 6.7 | 6.3 | 6.3 | 5.7 | 5.7 | 5.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0 | 6.2  |
| IS-TF 272                    | 6.0  | 6.7 | 6.3 | 6.3 | 5.7 | 5.3 | 5.7 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.2  |
| IS-TF-287                    | 6.0  | 6.7 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 6.3 | 6.0 | 6.7 | 6.7 | 6.7 | 6.2  |
| JS 818                       | 6.3  | 6.0 | 5.7 | 5.7 | 5.7 | 5.7 | 6.0 | 6.0 | 6.7 | 6.3 | 7.0 | 7.0 | 6.2  |
| KINGDOM (DB1)                | 6.0  | 5.7 | 6.0 | 6.0 | 6.7 | 6.7 | 6.0 | 6.0 | 6.3 | 6.0 | 6.3 | 6.3 | 6.2  |
| MERIDIAN (PST-5GRB)          | 6.3  | 7.0 | 6.3 | 6.7 | 6.3 | 6.0 | 6.0 | 6.0 | 5.7 | 5.7 | 6.0 | 6.0 | 6.2  |
| PPG-TF-115                   | 6.0  | 6.7 | 6.3 | 6.3 | 6.0 | 6.3 | 6.3 | 6.0 | 6.3 | 5.7 | 6.0 | 6.0 | 6.2  |
| VALKYRIE LS (PPG-TF-172)     | 6.0  | 6.3 | 6.3 | 6.3 | 6.0 | 6.0 | 5.7 | 6.3 | 6.0 | 6.3 | 6.3 | 6.3 | 6.2  |
| RAPTOR III (ZW 44)           | 6.3  | 6.7 | 6.3 | 6.0 | 5.7 | 5.7 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.2  |
| TRAVERSE 2 SRP (W45)         | 6.3  | 7.0 | 6.3 | 6.0 | 5.7 | 5.7 | 5.7 | 6.3 | 6.0 | 6.3 | 6.3 | 6.3 | 6.2  |
| ATF 1736                     | 6.3  | 6.7 | 6.3 | 6.3 | 5.7 | 5.0 | 6.0 | 5.7 | 5.7 | 6.7 | 6.7 | 6.7 | 6.1  |
| IS-TF 269 SEL                | 6.0  | 6.3 | 6.0 | 6.0 | 6.0 | 5.7 | 5.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.1  |
| MICHELANGELO (LTP-F5DPDR)    | 6.0  | 6.0 | 5.7 | 6.0 | 5.7 | 5.7 | 6.0 | 6.3 | 6.3 | 6.3 | 6.7 | 6.7 | 6.1  |
| PST-5EX2                     | 6.0  | 6.7 | 6.3 | 6.0 | 5.7 | 6.0 | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.3 | 6.1  |
| WARHAWK                      | 6.0  | 6.3 | 6.0 | 6.0 | 6.3 | 6.0 | 6.3 | 5.7 | 6.3 | 5.7 | 6.3 | 6.3 | 6.1  |
| ARES (PPG-TF-142)            | 6.0  | 6.0 | 6.0 | 6.0 | 6.0 | 5.7 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.1  |
| BULLSEYE                     | 6.0  | 7.0 | 6.3 | 6.0 | 6.0 | 5.7 | 5.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.1  |
| RHAMBLER 2 SRP (LSD)         | 6.3  | 5.7 | 5.7 | 6.0 | 5.7 | 5.7 | 5.7 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.1  |
| MARAUDER                     | 6.0  | 5.7 | 6.0 | 5.7 | 5.7 | 6.0 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.0  |
| AVENGER II (PPG-TF-156)      | 6.0  | 6.7 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 6.0 | 6.3 | 6.0 | 6.3 | 6.0 | 6.0  |
| K12-13                       | 6.3  | 6.3 | 6.0 | 6.0 | 5.7 | 5.3 | 5.7 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.0  |
| PSG-8BP2                     | 6.3  | 6.7 | 6.3 | 6.0 | 6.0 | 5.3 | 5.7 | 5.7 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0  |
| UNITUS (IS-TF 289)           | 6.0  | 6.0 | 6.0 | 5.7 | 5.7 | 5.3 | 5.7 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.0  |
| FESNOVA                      | 6.3  | 6.0 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 6.0 | 6.3 | 6.0 | 6.3 | 6.0 | 6.0  |
| PPG-TF-138                   | 6.0  | 6.3 | 6.0 | 6.0 | 6.0 | 5.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0  |
| PST-5MVD                     | 6.3  | 5.7 | 5.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0  |
| TURFWAY (IS-TF 282 M2)       | 6.0  | 6.0 | 5.7 | 6.0 | 5.7 | 5.7 | 6.0 | 5.7 | 6.3 | 6.0 | 6.3 | 6.3 | 6.0  |
| BAR FA 121095                | 6.3  | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 6.3 | 6.0 | 6.3 | 6.3 | 6.0  |

TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH  
MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/  
2015 DATA

| NAME                     | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/ |      |      |     |      |      |      |      |      |      |      |      | MEAN |
|--------------------------|--|------|------|-----|------|------|------|------|------|------|------|------|------|
|                          | JAN  | FEB  | MAR  | APR | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  |      |
| JS 809                   | 6.0  | 6.3  | 5.7  | 6.0 | 5.7  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  |
| ATF 1754                 | 6.0  | 7.0  | 6.0  | 6.3 | 6.0  | 5.7  | 5.3  | 6.0  | 5.7  | 6.0  | 5.7  | 5.7  | 5.9  |
| HOUNDG8 (IS-TF 307 SEL)  | 6.0  | 6.3  | 6.0  | 6.0 | 5.7  | 5.7  | 5.7  | 5.7  | 6.3  | 6.0  | 6.0  | 6.0  | 5.9  |
| MEMPHIS (GO-DFR)         | 6.0  | 6.3  | 6.0  | 6.0 | 6.0  | 6.0  | 6.0  | 5.7  | 6.0  | 5.7  | 5.7  | 5.7  | 5.9  |
| PST-5DZP                 | 6.0  | 6.3  | 6.0  | 5.7 | 5.7  | 5.3  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 5.9  |
| PSG-GSD                  | 6.0  | 6.7  | 6.3  | 6.0 | 5.7  | 5.0  | 5.7  | 6.0  | 5.7  | 5.7  | 6.0  | 6.0  | 5.9  |
| AQUADUCT                 | 6.0  | 6.3  | 6.0  | 6.0 | 5.3  | 5.3  | 5.3  | 6.0  | 5.7  | 6.3  | 6.0  | 6.0  | 5.9  |
| BAR FA 121091            | 6.0  | 6.0  | 6.0  | 5.7 | 5.7  | 5.7  | 5.7  | 5.7  | 6.0  | 6.0  | 6.0  | 6.0  | 5.9  |
| PST-5BPO                 | 6.0  | 6.0  | 6.0  | 5.7 | 5.7  | 5.7  | 6.0  | 5.7  | 6.0  | 5.7  | 6.0  | 6.0  | 5.9  |
| INSPIRATION (PST-R5NW)   | 6.0  | 6.0  | 5.7  | 5.7 | 5.7  | 5.7  | 5.7  | 6.0  | 5.7  | 6.0  | 6.0  | 6.0  | 5.8  |
| IS-TF 308 SEL            | 6.0  | 6.3  | 6.0  | 5.7 | 5.3  | 5.3  | 5.7  | 5.7  | 6.0  | 6.0  | 6.0  | 6.0  | 5.8  |
| PSG-TT4                  | 5.7  | 6.3  | 6.0  | 5.3 | 5.7  | 5.0  | 5.0  | 5.7  | 6.0  | 6.3  | 6.3  | 6.3  | 5.8  |
| CAESAR (TY 10)           | 5.7  | 6.0  | 5.7  | 5.7 | 5.7  | 5.0  | 5.7  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 5.8  |
| COMP. RES. SST           | 5.7  | 6.0  | 6.0  | 5.7 | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 6.0  | 5.8  |
| FOXHOUND (IS-TF 284 M2)  | 5.7  | 6.0  | 5.7  | 6.0 | 5.3  | 5.3  | 5.7  | 5.3  | 6.0  | 6.0  | 6.0  | 6.0  | 5.8  |
| SALTILLO (PST-5SALT)     | 5.3  | 5.7  | 5.3  | 5.7 | 6.0  | 6.0  | 6.0  | 5.7  | 5.7  | 5.3  | 5.3  | 5.3  | 5.6  |
| RAD-TF-83                | 5.7  | 5.7  | 5.7  | 5.7 | 5.3  | 5.3  | 5.3  | 5.3  | 6.0  | 5.7  | 5.7  | 5.7  | 5.6  |
| RAIN DANCE (PST-5SDT)    | 5.7  | 5.3  | 5.7  | 5.7 | 5.7  | 5.3  | 5.3  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 5.6  |
| SWAGGER (PST-5R05)       | 5.7  | 5.7  | 5.7  | 5.7 | 5.0  | 5.0  | 5.0  | 6.0  | 5.3  | 6.0  | 6.0  | 6.0  | 5.6  |
| NIGHTCRAWLER (IS-TF 285) | 5.3  | 5.7  | 5.3  | 5.7 | 5.3  | 5.0  | 6.0  | 5.3  | 6.0  | 5.3  | 5.7  | 5.7  | 5.5  |
| BAR FA 121089            | 5.3  | 5.3  | 5.7  | 5.7 | 5.3  | 5.7  | 5.3  | 5.7  | 5.3  | 5.7  | 5.3  | 5.3  | 5.5  |
| FRONTLINE (EXP TF-09)    | 6.0  | 6.0  | 5.7  | 6.0 | 5.3  | 4.7  | 5.0  | 5.3  | 5.3  | 5.3  | 5.3  | 5.3  | 5.4  |
| TEMPTATION (OR-21)       | 5.7  | 6.0  | 5.7  | 5.7 | 5.0  | 4.3  | 4.7  | 5.0  | 5.3  | 5.7  | 5.7  | 5.7  | 5.4  |
| JS 825                   | 5.7  | 5.7  | 5.7  | 5.7 | 5.0  | 5.0  | 5.0  | 5.3  | 5.0  | 5.3  | 5.0  | 5.3  | 5.3  |
| PST-5BRK                 | 5.3  | 5.3  | 5.3  | 5.3 | 5.0  | 4.7  | 5.0  | 5.0  | 5.0  | 5.3  | 5.3  | 5.3  | 5.2  |
| BAR FA 120878            | 5.0  | 5.0  | 5.0  | 5.3 | 4.7  | 4.3  | 4.7  | 4.7  | 4.7  | 4.7  | 4.7  | 4.7  | 4.8  |
| KY-31                    | 3.7  | 3.3  | 3.7  | 3.7 | 3.7  | 3.0  | 3.3  | 3.3  | 3.7  | 4.0  | 3.7  | 3.7  | 3.6  |
| LSD VALUE                | 1.1  | 1.3  | 1.1  | 1.0 | 1.1  | 1.3  | 1.1  | 1.0  | 1.1  | 1.2  | 1.4  | 1.4  | 0.9  |
| C.V. (%)                 | 10.9   | 12.6 | 10.5 | 9.6 | 11.2 | 13.9 | 11.4 | 10.3 | 10.5 | 11.5 | 13.4 | 13.5 | 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 11.

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2015 DATA  
TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ \*/

| NAME                         | BEFORE TRAFFIC ON APRIL 13-14 |         |                    |         | AFTER TRAFFIC IN SPRING (JUNE 4) |         |                    |         | BEFORE TRAFFIC ON JUNE 29 |         |                    |         |
|------------------------------|-------------------------------|---------|--------------------|---------|----------------------------------|---------|--------------------|---------|---------------------------|---------|--------------------|---------|
|                              | UNIFORMITY                    |         | FULLNESS OF CANOPY |         | UNIFORMITY                       |         | FULLNESS OF CANOPY |         | UNIFORMITY                |         | FULLNESS OF CANOPY |         |
|                              | NO TRAFFIC                    | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                       | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                | TRAFFIC | NO TRAFFIC         | TRAFFIC |
| TEMPLE (DZ1)                 | 8.0                           | 5.7     | 88.3               | 51.7    | 9.0                              | 6.7     | 96.3               | 71.7    | 9.0                       | 8.7     | 96.3               | 90.0    |
| EMBRACE (PST-5EV2)           | 8.0                           | 6.0     | 83.3               | 55.0    | 9.0                              | 7.0     | 93.3               | 70.0    | 9.0                       | 8.7     | 97.7               | 93.3    |
| HEMI                         | 8.0                           | 6.0     | 85.0               | 56.7    | 9.0                              | 7.7     | 97.7               | 78.3    | 9.0                       | 8.3     | 97.7               | 93.3    |
| REFLECTION (U45)             | 8.0                           | 6.3     | 83.3               | 65.0    | 9.0                              | 7.3     | 95.0               | 76.7    | 8.7                       | 8.7     | 99.0               | 93.3    |
| BIZEM                        | 8.3                           | 6.0     | 86.7               | 53.3    | 9.0                              | 7.0     | 94.7               | 73.3    | 8.7                       | 8.3     | 96.3               | 88.3    |
| IS-TF-287                    | 8.0                           | 5.7     | 80.0               | 53.3    | 9.0                              | 7.0     | 94.7               | 70.0    | 9.0                       | 8.0     | 96.3               | 88.3    |
| K12-13                       | 6.7                           | 5.3     | 70.0               | 50.0    | 8.3                              | 5.3     | 94.7               | 60.0    | 9.0                       | 7.7     | 91.7               | 83.3    |
| PSG-8BP2                     | 6.7                           | 5.7     | 71.7               | 56.7    | 8.3                              | 7.3     | 90.0               | 75.0    | 8.3                       | 7.7     | 93.3               | 88.3    |
| PST-5BP0                     | 7.7                           | 5.7     | 80.0               | 56.7    | 8.7                              | 7.0     | 90.0               | 70.0    | 8.3                       | 8.3     | 96.3               | 90.0    |
| COMP. RES. SST               | 7.3                           | 5.7     | 75.0               | 53.3    | 8.3                              | 7.7     | 93.3               | 76.7    | 8.7                       | 8.0     | 91.7               | 86.7    |
| HOVER (BURL TF-69)           | 7.7                           | 5.7     | 80.0               | 55.0    | 9.0                              | 6.7     | 96.3               | 70.0    | 9.0                       | 7.7     | 96.0               | 88.3    |
| VALKYRIE LS (PPG-TF-172)     | 8.0                           | 6.3     | 86.7               | 55.0    | 9.0                              | 7.3     | 96.3               | 71.7    | 9.0                       | 7.7     | 96.3               | 86.7    |
| RAD-TF-89                    | 8.0                           | 5.7     | 85.0               | 65.0    | 9.0                              | 7.7     | 94.7               | 80.0    | 9.0                       | 8.3     | 93.3               | 88.3    |
| RAPTOR III (ZW 44)           | 8.0                           | 6.7     | 83.3               | 60.0    | 9.0                              | 8.0     | 96.3               | 78.3    | 9.0                       | 8.3     | 99.0               | 93.3    |
| RHAMBLER 2 SRP (LSD)         | 8.0                           | 6.0     | 80.0               | 55.0    | 9.0                              | 6.3     | 96.3               | 70.0    | 9.0                       | 9.0     | 97.7               | 93.3    |
| XTENDER (PPG-TF-139)         | 7.3                           | 5.3     | 78.3               | 53.3    | 9.0                              | 7.3     | 94.7               | 76.7    | 9.0                       | 9.0     | 97.7               | 93.3    |
| IS-TF 311                    | 8.0                           | 6.3     | 86.7               | 60.0    | 9.0                              | 7.7     | 96.3               | 78.3    | 9.0                       | 8.3     | 94.7               | 88.3    |
| K12-MCD                      | 8.0                           | 5.0     | 80.0               | 48.3    | 8.7                              | 7.0     | 96.3               | 73.3    | 8.7                       | 8.0     | 96.3               | 90.0    |
| MEMPHIS (GO-DFR)             | 7.0                           | 5.0     | 75.0               | 46.7    | 8.7                              | 6.0     | 93.3               | 63.3    | 8.3                       | 8.0     | 95.0               | 88.3    |
| PPG-TF-135                   | 8.0                           | 5.7     | 86.7               | 56.7    | 9.0                              | 7.3     | 97.7               | 78.3    | 9.0                       | 9.0     | 97.7               | 93.3    |
| PSG-GSD                      | 7.7                           | 5.3     | 80.0               | 50.0    | 8.3                              | 7.0     | 91.7               | 75.0    | 9.0                       | 8.7     | 95.0               | 90.0    |
| PST-5BRK                     | 7.3                           | 4.7     | 75.0               | 46.7    | 8.7                              | 6.7     | 91.7               | 66.7    | 8.7                       | 8.3     | 96.3               | 88.3    |
| SCREAMER LS (PPG-TF-148)     | 8.7                           | 5.7     | 88.3               | 53.3    | 9.0                              | 7.7     | 96.3               | 73.3    | 9.0                       | 8.7     | 99.0               | 91.7    |
| 4TH MILLENNIUM SRP (U43)     | 8.3                           | 6.0     | 86.7               | 56.7    | 9.0                              | 7.7     | 97.7               | 73.3    | 9.0                       | 9.0     | 99.0               | 95.0    |
| ATF 1704                     | 8.7                           | 6.3     | 85.0               | 61.7    | 9.0                              | 8.0     | 96.3               | 76.7    | 9.0                       | 8.3     | 94.7               | 90.0    |
| BULLSEYE                     | 7.7                           | 5.3     | 78.3               | 53.3    | 9.0                              | 7.0     | 93.3               | 68.3    | 9.0                       | 8.3     | 97.7               | 90.0    |
| F711                         | 8.3                           | 6.3     | 85.0               | 55.0    | 9.0                              | 7.0     | 96.3               | 75.0    | 9.0                       | 8.3     | 99.0               | 94.7    |
| FIRECRACKER SLS (PPG-TF-105) | 7.7                           | 5.3     | 78.3               | 45.0    | 9.0                              | 6.7     | 94.7               | 75.0    | 9.0                       | 8.0     | 97.7               | 88.3    |
| JS 916                       | 8.0                           | 6.0     | 81.7               | 53.3    | 9.0                              | 7.7     | 95.0               | 76.7    | 8.7                       | 8.0     | 96.3               | 85.0    |
| MICHELANGELO (LTP-F5DPDR)    | 7.7                           | 5.7     | 81.7               | 51.7    | 8.7                              | 7.3     | 95.0               | 73.3    | 9.0                       | 7.7     | 93.3               | 86.7    |
| OLYMPUS (RAD-TF-88)          | 7.7                           | 5.3     | 81.7               | 53.3    | 9.0                              | 7.0     | 96.3               | 73.3    | 9.0                       | 8.0     | 97.7               | 90.0    |
| RAD-TF-92                    | 7.0                           | 5.3     | 76.7               | 55.0    | 9.0                              | 7.3     | 93.3               | 80.0    | 8.7                       | 8.7     | 96.0               | 88.3    |
| REBOUNDER (PICK-W43)         | 8.3                           | 5.7     | 88.3               | 55.0    | 8.7                              | 6.0     | 96.3               | 65.0    | 8.7                       | 8.3     | 96.0               | 91.7    |
| ROCKWELL (LTP-TWUU)          | 8.3                           | 5.0     | 85.0               | 50.0    | 9.0                              | 6.3     | 97.7               | 68.3    | 9.0                       | 8.3     | 99.0               | 91.7    |
| TRAVERSE 2 SRP (W45)         | 8.0                           | 5.7     | 83.3               | 50.0    | 8.7                              | 6.0     | 94.7               | 68.3    | 9.0                       | 8.3     | 97.7               | 91.7    |
| BLACK TAIL (PPG-TF-150)      | 8.0                           | 5.7     | 81.7               | 53.3    | 9.0                              | 7.0     | 95.0               | 71.7    | 8.7                       | 8.0     | 97.7               | 90.0    |
| GRANDE 3                     | 8.7                           | 5.7     | 86.7               | 56.7    | 8.7                              | 6.7     | 97.7               | 71.7    | 9.0                       | 8.0     | 96.0               | 91.7    |
| KINGDOM (DB1)                | 7.0                           | 5.3     | 75.0               | 46.7    | 9.0                              | 6.3     | 93.3               | 68.3    | 8.7                       | 8.0     | 94.7               | 88.3    |
| NIGHTCRAWLER (IS-TF 285)     | 7.3                           | 5.7     | 78.3               | 46.7    | 8.3                              | 6.7     | 90.0               | 66.7    | 8.3                       | 7.7     | 93.0               | 88.3    |
| PPG-TF-169                   | 8.3                           | 6.0     | 85.0               | 58.3    | 9.0                              | 6.7     | 96.3               | 70.0    | 9.0                       | 8.3     | 93.3               | 90.0    |
| PST-5EX2                     | 8.0                           | 5.7     | 81.7               | 56.7    | 8.3                              | 7.3     | 88.3               | 73.3    | 8.0                       | 7.3     | 91.7               | 86.7    |
| TITANIUM 2LS (PPG-TF-152)    | 7.7                           | 5.7     | 81.7               | 55.0    | 9.0                              | 6.3     | 96.3               | 70.0    | 9.0                       | 7.7     | 97.7               | 85.0    |
| B23                          | 8.3                           | 6.7     | 83.3               | 60.0    | 9.0                              | 7.7     | 99.0               | 78.3    | 9.0                       | 8.3     | 97.7               | 90.0    |
| CATALYST                     | 8.0                           | 6.7     | 85.0               | 65.0    | 8.7                              | 7.3     | 94.7               | 78.3    | 9.0                       | 9.0     | 96.0               | 91.7    |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 7.7                           | 6.3     | 78.3               | 58.3    | 9.0                              | 7.0     | 96.3               | 71.7    | 9.0                       | 8.0     | 96.3               | 88.3    |



TABLE 11. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/

2015 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ \*/

| NAME                         | BEFORE TRAFFIC ON APRIL 13-14 |         |                    |         | AFTER TRAFFIC IN SPRING (JUNE 4) |         |                    |         | BEFORE TRAFFIC ON JUNE 29 |         |                    |         |
|------------------------------|-------------------------------|---------|--------------------|---------|----------------------------------|---------|--------------------|---------|---------------------------|---------|--------------------|---------|
|                              | UNIFORMITY                    |         | FULLNESS OF CANOPY |         | UNIFORMITY                       |         | FULLNESS OF CANOPY |         | UNIFORMITY                |         | FULLNESS OF CANOPY |         |
|                              | NO TRAFFIC                    | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                       | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                | TRAFFIC | NO TRAFFIC         | TRAFFIC |
| DIABLO (IS-TF 330)           | 7.3                           | 4.7     | 76.7               | 43.3    | 9.0                              | 6.7     | 94.7               | 70.0    | 8.7                       | 8.0     | 91.7               | 88.3    |
| IS-TF 269 SEL                | 7.3                           | 5.3     | 76.7               | 50.0    | 9.0                              | 7.3     | 93.3               | 75.0    | 8.7                       | 7.7     | 91.7               | 86.7    |
| IS-TF 272                    | 7.3                           | 4.3     | 76.7               | 45.0    | 9.0                              | 5.3     | 93.3               | 60.0    | 8.3                       | 8.0     | 94.7               | 83.3    |
| IS-TF 308 SEL                | 8.0                           | 6.0     | 81.7               | 53.3    | 9.0                              | 6.3     | 96.3               | 63.3    | 9.0                       | 8.0     | 96.3               | 88.3    |
| MAESTRO (T31)                | 8.0                           | 5.7     | 86.7               | 56.7    | 9.0                              | 6.3     | 96.3               | 68.3    | 9.0                       | 8.3     | 99.0               | 90.0    |
| MET 1                        | 8.0                           | 6.0     | 88.3               | 53.3    | 9.0                              | 6.7     | 96.3               | 66.7    | 9.0                       | 8.0     | 99.0               | 93.3    |
| 'SUPERSONIC (PPG-TF-170)     | 7.7                           | 5.0     | 85.0               | 50.0    | 8.7                              | 6.7     | 96.3               | 73.3    | 9.0                       | 8.0     | 97.7               | 88.3    |
| PSG-P01                      | 7.7                           | 5.0     | 81.7               | 46.7    | 9.0                              | 6.0     | 95.0               | 66.7    | 9.0                       | 8.0     | 97.7               | 91.7    |
| RAD-TF-83                    | 7.0                           | 5.0     | 73.3               | 51.7    | 9.0                              | 6.3     | 93.3               | 63.3    | 8.3                       | 7.3     | 91.7               | 83.3    |
| CAESAR (TY 10)               | 7.3                           | 5.3     | 78.3               | 50.0    | 8.0                              | 6.3     | 91.7               | 68.3    | 8.7                       | 7.7     | 93.3               | 86.7    |
| FIREBIRD 2                   | 8.0                           | 6.3     | 85.0               | 56.7    | 9.0                              | 6.3     | 97.7               | 70.0    | 9.0                       | 8.0     | 99.0               | 88.3    |
| GTO (BURL TF-2)              | 8.3                           | 6.0     | 86.7               | 58.3    | 9.0                              | 6.0     | 93.3               | 68.3    | 9.0                       | 8.3     | 99.0               | 88.3    |
| HOT ROD (BURL TF-136)        | 8.0                           | 6.7     | 86.7               | 61.7    | 9.0                              | 7.3     | 95.0               | 76.7    | 9.0                       | 8.3     | 96.3               | 91.7    |
| HOUNDOG8 (IS-TF 307 SEL)     | 7.7                           | 5.0     | 78.3               | 45.0    | 9.0                              | 6.0     | 95.0               | 70.0    | 9.0                       | 8.3     | 96.3               | 86.7    |
| INSPIRATION (PST-R5NW)       | 6.7                           | 4.7     | 70.0               | 45.0    | 8.0                              | 6.7     | 91.7               | 70.0    | 8.0                       | 7.7     | 91.7               | 86.7    |
| IS-TF 276 M2                 | 7.0                           | 4.3     | 76.7               | 45.0    | 9.0                              | 6.7     | 90.0               | 66.7    | 8.3                       | 8.0     | 91.7               | 85.0    |
| MERIDIAN (PST-5GRB)          | 8.0                           | 6.0     | 78.3               | 56.7    | 9.0                              | 7.7     | 96.3               | 76.7    | 9.0                       | 9.0     | 99.0               | 95.0    |
| MET-3                        | 7.3                           | 5.3     | 80.0               | 46.7    | 8.7                              | 6.3     | 91.7               | 68.3    | 8.7                       | 8.0     | 96.3               | 90.0    |
| PST-5MVD                     | 8.0                           | 5.3     | 83.3               | 51.7    | 9.0                              | 6.3     | 91.7               | 68.3    | 9.0                       | 8.0     | 91.7               | 85.0    |
| RAIN DANCE (PST-5SDT)        | 7.3                           | 6.0     | 81.7               | 58.3    | 8.0                              | 6.7     | 90.0               | 68.3    | 8.7                       | 8.0     | 91.7               | 85.0    |
| SALTILLO (PST-5SALT)         | 8.0                           | 5.7     | 80.0               | 50.0    | 8.7                              | 6.0     | 91.7               | 66.7    | 9.0                       | 8.3     | 96.3               | 91.7    |
| TECHNIQUE (RZ2)              | 8.0                           | 6.3     | 90.0               | 61.7    | 9.0                              | 7.7     | 99.0               | 81.7    | 9.0                       | 8.7     | 99.0               | 94.7    |
| ATF 1754                     | 8.3                           | 5.7     | 85.0               | 55.0    | 9.0                              | 6.7     | 93.3               | 66.7    | 9.0                       | 8.3     | 96.3               | 86.7    |
| FAYETTE (IS-TF 291)          | 8.0                           | 5.7     | 85.0               | 53.3    | 9.0                              | 7.7     | 96.3               | 81.7    | 9.0                       | 8.7     | 95.0               | 90.0    |
| JS 809                       | 6.7                           | 5.3     | 68.3               | 46.7    | 8.3                              | 5.7     | 91.7               | 61.7    | 8.7                       | 8.0     | 91.7               | 86.7    |
| PPG-TF-138                   | 7.3                           | 5.7     | 80.0               | 58.3    | 9.0                              | 6.7     | 95.0               | 68.3    | 9.0                       | 8.0     | 99.0               | 88.3    |
| ROWDY (SRX-TPC)              | 8.0                           | 6.0     | 81.7               | 53.3    | 9.0                              | 7.3     | 96.3               | 73.3    | 9.0                       | 8.3     | 97.7               | 91.7    |
| SWAGGER (PST-5R05)           | 7.7                           | 5.0     | 76.7               | 48.3    | 9.0                              | 7.0     | 93.3               | 71.7    | 8.7                       | 8.3     | 96.3               | 88.3    |
| TURFWAY (IS-TF 282 M2)       | 8.0                           | 5.3     | 78.3               | 51.7    | 8.3                              | 5.7     | 91.7               | 63.3    | 8.7                       | 8.0     | 91.7               | 85.0    |
| AVENGER II (PPG-TF-156)      | 8.3                           | 6.3     | 86.7               | 66.7    | 9.0                              | 7.3     | 97.7               | 75.0    | 9.0                       | 8.3     | 99.0               | 93.3    |
| FESNOVA                      | 8.0                           | 5.0     | 78.3               | 55.0    | 8.7                              | 6.3     | 91.7               | 65.0    | 9.0                       | 7.7     | 96.3               | 86.7    |
| FOXHOUND (IS-TF 284 M2)      | 7.7                           | 5.0     | 78.3               | 45.0    | 8.7                              | 6.7     | 93.3               | 65.0    | 8.7                       | 7.7     | 96.3               | 85.0    |
| FRONTLINE (EXP TF-09)        | 6.3                           | 4.3     | 73.3               | 41.7    | 8.0                              | 6.3     | 86.7               | 61.7    | 8.0                       | 7.7     | 85.0               | 83.3    |
| JS 818                       | 6.7                           | 3.7     | 71.7               | 38.3    | 8.7                              | 7.0     | 91.7               | 66.7    | 8.7                       | 8.0     | 91.7               | 85.0    |
| LEONARDO (LTP-FSD)           | 7.7                           | 5.0     | 83.3               | 51.7    | 9.0                              | 7.0     | 96.3               | 75.0    | 8.7                       | 8.0     | 94.3               | 88.3    |
| PSG-TT4                      | 7.3                           | 5.0     | 78.3               | 46.7    | 8.0                              | 6.0     | 88.3               | 66.7    | 8.3                       | 7.7     | 90.0               | 83.3    |
| REGENERATE                   | 8.0                           | 6.3     | 86.7               | 60.0    | 9.0                              | 6.3     | 96.3               | 73.3    | 9.0                       | 9.0     | 99.0               | 95.0    |
| RHIZING MOON (IS-TF 305 SEL) | 7.7                           | 5.3     | 73.3               | 45.0    | 9.0                              | 6.7     | 91.7               | 65.0    | 9.0                       | 8.0     | 91.7               | 85.0    |
| TERRANO                      | 7.0                           | 4.0     | 71.7               | 38.3    | 9.0                              | 6.7     | 91.7               | 65.0    | 8.7                       | 7.7     | 95.0               | 88.3    |
| 204 RES. BLK4                | 7.7                           | 5.0     | 76.7               | 45.0    | 8.7                              | 5.7     | 95.0               | 61.7    | 9.0                       | 8.3     | 94.7               | 86.7    |
| AQUADUCT                     | 7.3                           | 5.3     | 75.0               | 50.0    | 8.0                              | 6.7     | 90.0               | 70.0    | 8.3                       | 7.7     | 88.3               | 88.3    |
| ATF 1612                     | 8.0                           | 5.7     | 86.7               | 55.0    | 9.0                              | 7.3     | 97.7               | 76.7    | 9.0                       | 9.0     | 97.7               | 91.7    |
| ATF 1736                     | 8.0                           | 5.7     | 83.3               | 51.7    | 8.3                              | 6.7     | 93.3               | 66.7    | 9.0                       | 8.0     | 95.0               | 86.7    |
| BAR FA 121095                | 7.0                           | 5.3     | 76.7               | 51.7    | 8.0                              | 5.3     | 93.3               | 56.7    | 8.3                       | 7.3     | 96.3               | 80.0    |

TABLE 11. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2015 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ \*/

| NAME                     | BEFORE TRAFFIC ON APRIL 13-14 |         |                    |         | AFTER TRAFFIC IN SPRING (JUNE 4) |         |                    |         | BEFORE TRAFFIC ON JULY 29 |         |                    |         |
|--------------------------|-------------------------------|---------|--------------------|---------|----------------------------------|---------|--------------------|---------|---------------------------|---------|--------------------|---------|
|                          | UNIFORMITY                    |         | FULLNESS OF CANOPY |         | UNIFORMITY                       |         | FULLNESS OF CANOPY |         | UNIFORMITY                |         | FULLNESS OF CANOPY |         |
|                          | NO TRAFFIC                    | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                       | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                | TRAFFIC | NO TRAFFIC         | TRAFFIC |
| THOR (PPG-TF-157)        | 8.0                           | 5.0     | 85.0               | 45.0    | 9.0                              | 6.3     | 93.3               | 66.7    | 9.0                       | 7.7     | 96.3               | 83.3    |
| W41                      | 8.0                           | 5.3     | 81.7               | 55.0    | 9.0                              | 7.0     | 96.3               | 75.0    | 9.0                       | 8.3     | 99.0               | 88.3    |
| ANNIHILATOR              | 7.3                           | 5.0     | 73.3               | 48.3    | 8.3                              | 6.7     | 88.3               | 66.7    | 8.0                       | 7.7     | 83.3               | 78.3    |
| FIREWALL (PSG-WE1)       | 8.3                           | 6.0     | 86.7               | 55.0    | 8.7                              | 7.3     | 96.0               | 76.7    | 9.0                       | 8.0     | 96.0               | 90.0    |
| BAR FA 121091            | 7.0                           | 3.3     | 73.3               | 35.0    | 8.0                              | 5.7     | 90.0               | 65.0    | 8.0                       | 7.0     | 88.3               | 86.7    |
| BLOODHOUND (MET 6 SEL)   | 8.3                           | 5.3     | 83.3               | 51.7    | 9.0                              | 7.0     | 96.3               | 70.0    | 9.0                       | 8.3     | 95.0               | 90.0    |
| DYNAMITE LS (PPG-TF-145) | 6.7                           | 4.7     | 75.0               | 46.7    | 8.7                              | 6.0     | 91.7               | 68.3    | 8.7                       | 7.7     | 96.0               | 86.7    |
| JS 819                   | 6.3                           | 5.0     | 66.7               | 46.7    | 8.3                              | 6.3     | 91.7               | 68.3    | 8.3                       | 7.7     | 91.7               | 81.7    |
| JS 825                   | 5.7                           | 2.7     | 58.3               | 31.7    | 8.0                              | 6.3     | 83.3               | 61.7    | 8.0                       | 7.7     | 85.0               | 80.0    |
| PST-5DZP                 | 7.0                           | 5.3     | 75.0               | 46.7    | 9.0                              | 6.0     | 91.7               | 66.7    | 8.7                       | 8.0     | 96.3               | 88.3    |
| UNITUS (IS-TF 289)       | 7.0                           | 5.3     | 76.7               | 50.0    | 9.0                              | 7.0     | 95.0               | 75.0    | 8.3                       | 8.0     | 95.0               | 88.3    |
| WICHITA (PPG-TF-151)     | 7.7                           | 5.0     | 83.3               | 48.3    | 8.3                              | 6.3     | 93.3               | 65.0    | 9.0                       | 7.7     | 93.3               | 86.7    |
| ARES (PPG-TF-142)        | 7.0                           | 5.0     | 73.3               | 48.3    | 9.0                              | 5.3     | 91.7               | 55.0    | 8.7                       | 7.3     | 91.7               | 80.0    |
| BAR FA 121089            | 6.7                           | 4.7     | 73.3               | 50.0    | 8.0                              | 5.7     | 88.3               | 53.3    | 8.0                       | 6.7     | 86.7               | 78.3    |
| FAITH                    | 8.0                           | 5.0     | 81.7               | 48.3    | 8.7                              | 6.3     | 95.0               | 70.0    | 8.7                       | 8.0     | 96.3               | 90.0    |
| FALCON IV                | 7.3                           | 5.3     | 78.3               | 48.3    | 8.3                              | 6.7     | 91.7               | 60.0    | 8.7                       | 7.3     | 90.0               | 85.0    |
| K12-05                   | 7.0                           | 4.3     | 75.0               | 43.3    | 8.7                              | 6.0     | 94.7               | 60.0    | 9.0                       | 7.7     | 96.3               | 83.3    |
| PPG-TF-115               | 7.0                           | 5.0     | 75.0               | 46.7    | 8.7                              | 6.3     | 93.3               | 66.7    | 8.7                       | 7.3     | 91.7               | 85.0    |
| BAR FA 120878            | 5.3                           | 4.0     | 63.3               | 45.0    | 6.7                              | 5.0     | 71.7               | 51.7    | 7.0                       | 6.0     | 80.0               | 71.7    |
| MARAUDER                 | 7.3                           | 4.7     | 73.3               | 41.7    | 8.0                              | 5.3     | 90.0               | 60.0    | 7.7                       | 6.7     | 85.0               | 78.3    |
| TEMPTATION (OR-21)       | 7.3                           | 4.3     | 73.3               | 41.7    | 8.3                              | 5.0     | 90.0               | 58.3    | 8.7                       | 7.3     | 91.7               | 81.7    |
| FALCON V                 | 9.0                           | 6.3     | 86.7               | 58.3    | 9.0                              | 7.3     | 93.3               | 75.0    | 9.0                       | 8.0     | 97.7               | 91.7    |
| PARAMOUNT (PPG-TF-137)   | 8.3                           | 6.0     | 86.7               | 60.0    | 9.0                              | 6.0     | 99.0               | 73.3    | 9.0                       | 8.3     | 99.0               | 91.7    |
| THUNDERSTRUCK (TD1)      | 6.3                           | 4.7     | 68.3               | 43.3    | 9.0                              | 5.3     | 91.7               | 56.7    | 8.7                       | 7.7     | 93.0               | 85.0    |
| WARHAWK                  | 7.0                           | 4.7     | 68.3               | 46.7    | 7.7                              | 5.7     | 85.0               | 65.0    | 7.7                       | 7.0     | 86.7               | 80.0    |
| AMITY (CCR2)             | 8.3                           | 5.7     | 86.7               | 50.0    | 9.0                              | 5.3     | 95.0               | 56.7    | 9.0                       | 8.3     | 97.7               | 88.3    |
| KY-31                    | 5.3                           | 2.3     | 53.3               | 23.3    | 6.0                              | 4.0     | 61.7               | 41.7    | 7.0                       | 5.7     | 76.7               | 66.7    |
| LSD VALUE                | 0.7                           | 1.3     | 6.1                | 17.3    | 0.5                              | 1.5     | 4.2                | 12.1    | 0.6                       | 1.0     | 5.0                | 6.4     |
| C.V. (%)                 | 6.0                           | 14.2    | 5.0                | 16.4    | 3.9                              | 12.5    | 3.0                | 10.0    | 3.9                       | 7.0     | 3.4                | 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 11. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2015 DATA  
TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ \*/

| NAME                         | AFTER TRAFFIC IN SUMMER (AUGUST 18) |         |                    |         | BEFORE TRAFFIC ON SEPTEMBER 15 |         |                    |         | AFTER TRAFFIC IN FALL (NOVEMBER 4) |         |                    |         |
|------------------------------|-------------------------------------|---------|--------------------|---------|--------------------------------|---------|--------------------|---------|------------------------------------|---------|--------------------|---------|
|                              | UNIFORMITY                          |         | FULLNESS OF CANOPY |         | UNIFORMITY                     |         | FULLNESS OF CANOPY |         | UNIFORMITY                         |         | FULLNESS OF CANOPY |         |
|                              | NO TRAFFIC                          | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                     | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                         | TRAFFIC | NO TRAFFIC         | TRAFFIC |
| TEMPLE (DZ1)                 | 9.0                                 | 7.0     | 95.0               | 73.3    | 9.0                            | 7.0     | 95.0               | 70.0    | 9.0                                | 7.3     | 95.0               | 71.7    |
| EMBRACE (PST-5EV2)           | 9.0                                 | 6.3     | 97.7               | 70.0    | 8.7                            | 6.7     | 89.3               | 68.3    | 8.7                                | 6.7     | 93.0               | 70.0    |
| HEMI                         | 8.7                                 | 7.0     | 91.7               | 73.3    | 8.3                            | 7.7     | 83.3               | 71.7    | 8.7                                | 6.3     | 86.7               | 70.0    |
| REFLECTION (U45)             | 9.0                                 | 7.3     | 94.7               | 78.3    | 9.0                            | 8.7     | 90.0               | 75.0    | 9.0                                | 6.7     | 96.3               | 70.0    |
| BIZEM                        | 9.0                                 | 6.3     | 94.7               | 70.0    | 9.0                            | 8.0     | 96.3               | 73.3    | 9.0                                | 6.7     | 94.7               | 68.3    |
| IS-TF-287                    | 9.0                                 | 7.7     | 94.7               | 75.0    | 8.7                            | 8.0     | 88.3               | 75.0    | 8.7                                | 6.3     | 93.3               | 68.3    |
| K12-13                       | 8.3                                 | 5.7     | 86.7               | 58.3    | 9.0                            | 6.3     | 91.7               | 63.3    | 9.0                                | 7.0     | 90.0               | 68.3    |
| PSG-8BP2                     | 8.3                                 | 6.0     | 85.0               | 61.7    | 8.0                            | 6.3     | 84.7               | 63.3    | 8.3                                | 7.0     | 90.0               | 68.3    |
| PST-5BPO                     | 8.7                                 | 6.7     | 90.0               | 71.7    | 8.7                            | 8.0     | 88.3               | 75.0    | 8.0                                | 6.7     | 88.3               | 68.3    |
| COMP. RES. SST               | 8.3                                 | 6.0     | 90.0               | 66.7    | 8.3                            | 7.3     | 83.3               | 73.3    | 8.7                                | 6.7     | 90.0               | 66.7    |
| HOVER (BURL TF-69)           | 8.7                                 | 6.0     | 91.3               | 70.0    | 8.7                            | 6.3     | 86.7               | 70.0    | 8.7                                | 6.0     | 93.3               | 66.7    |
| VALKYRIE LS (PPG-TF-172)     | 9.0                                 | 7.3     | 97.7               | 80.0    | 8.7                            | 7.7     | 84.7               | 71.7    | 9.0                                | 7.0     | 94.7               | 66.7    |
| RAD-TF-89                    | 9.0                                 | 7.0     | 93.3               | 78.3    | 8.7                            | 6.7     | 91.3               | 71.7    | 8.7                                | 6.7     | 90.0               | 66.7    |
| RAPTOR III (ZW 44)           | 8.7                                 | 7.0     | 93.0               | 76.7    | 8.3                            | 7.3     | 83.3               | 75.0    | 8.7                                | 6.7     | 93.3               | 66.7    |
| RHAMBLER 2 SRP (LSD)         | 9.0                                 | 7.0     | 94.7               | 76.7    | 8.7                            | 7.3     | 94.7               | 81.7    | 9.0                                | 6.7     | 93.3               | 66.7    |
| XTENDER (PPG-TF-139)         | 8.7                                 | 6.3     | 91.7               | 68.3    | 8.3                            | 7.3     | 90.0               | 75.0    | 8.7                                | 6.7     | 88.3               | 66.7    |
| IS-TF 311                    | 8.7                                 | 7.3     | 94.3               | 78.3    | 8.0                            | 6.7     | 79.7               | 70.0    | 7.7                                | 6.3     | 83.3               | 65.0    |
| K12-MCD                      | 9.0                                 | 6.3     | 93.0               | 66.7    | 9.0                            | 7.3     | 96.3               | 73.3    | 9.0                                | 6.7     | 91.7               | 65.0    |
| MEMPHIS (GO-DFR)             | 8.3                                 | 5.3     | 91.7               | 56.7    | 8.7                            | 6.3     | 88.3               | 63.3    | 8.7                                | 6.7     | 90.0               | 65.0    |
| PPG-TF-135                   | 9.0                                 | 7.7     | 94.7               | 80.0    | 8.7                            | 7.0     | 86.7               | 66.7    | 8.7                                | 5.7     | 91.7               | 65.0    |
| PSG-GSD                      | 8.7                                 | 6.0     | 90.0               | 65.0    | 8.7                            | 8.0     | 93.0               | 76.7    | 8.3                                | 7.0     | 93.3               | 65.0    |
| PST-5BRK                     | 8.7                                 | 6.0     | 90.0               | 66.7    | 9.0                            | 6.7     | 93.3               | 75.0    | 8.0                                | 5.3     | 86.7               | 65.0    |
| SCREAMER LS (PPG-TF-148)     | 8.7                                 | 6.7     | 95.0               | 70.0    | 8.3                            | 6.3     | 86.7               | 68.3    | 9.0                                | 6.0     | 93.3               | 65.0    |
| 4TH MILLENNIUM SRP (U43)     | 9.0                                 | 7.0     | 94.7               | 75.0    | 9.0                            | 7.7     | 93.0               | 76.7    | 9.0                                | 7.0     | 94.7               | 63.3    |
| ATF 1704                     | 9.0                                 | 7.3     | 94.7               | 80.0    | 9.0                            | 7.7     | 93.3               | 75.0    | 8.3                                | 6.0     | 93.3               | 63.3    |
| BULLSEYE                     | 9.0                                 | 7.0     | 91.7               | 68.3    | 8.7                            | 7.7     | 91.3               | 71.7    | 8.3                                | 5.3     | 93.0               | 63.3    |
| F711                         | 9.0                                 | 7.0     | 96.3               | 78.3    | 9.0                            | 8.0     | 96.3               | 66.7    | 9.0                                | 6.7     | 95.0               | 63.3    |
| FIRECRACKER SLS (PPG-TF-105) | 8.7                                 | 6.3     | 97.7               | 66.7    | 9.0                            | 6.3     | 94.7               | 68.3    | 9.0                                | 6.3     | 95.0               | 63.3    |
| JS 916                       | 8.7                                 | 6.7     | 96.0               | 71.7    | 8.7                            | 7.3     | 91.7               | 71.7    | 8.3                                | 6.3     | 91.7               | 63.3    |
| MICHELANGELO (LTP-F5DPDR)    | 8.7                                 | 6.0     | 93.3               | 63.3    | 8.7                            | 6.3     | 91.7               | 68.3    | 8.7                                | 6.3     | 90.0               | 63.3    |
| OLYMPUS (RAD-TF-88)          | 9.0                                 | 6.0     | 94.7               | 68.3    | 8.7                            | 7.3     | 91.7               | 75.0    | 8.7                                | 6.3     | 96.3               | 63.3    |
| RAD-TF-92                    | 9.0                                 | 7.7     | 94.7               | 75.0    | 9.0                            | 8.3     | 94.7               | 83.3    | 8.7                                | 6.7     | 91.7               | 63.3    |
| REBOUNDER (PICK-W43)         | 8.7                                 | 5.7     | 91.7               | 63.3    | 9.0                            | 7.7     | 91.3               | 76.7    | 9.0                                | 6.7     | 95.0               | 63.3    |
| ROCKWELL (LTP-TWUU)          | 9.0                                 | 6.7     | 91.7               | 66.7    | 9.0                            | 7.3     | 96.0               | 73.3    | 9.0                                | 6.3     | 95.0               | 63.3    |
| TRAVERSE 2 SRP (W45)         | 9.0                                 | 6.3     | 94.7               | 68.3    | 8.7                            | 7.0     | 91.3               | 75.0    | 9.0                                | 7.0     | 94.7               | 63.3    |
| BLACK TAIL (PPG-TF-150)      | 9.0                                 | 6.0     | 90.0               | 61.7    | 8.7                            | 7.3     | 91.7               | 70.0    | 9.0                                | 5.3     | 95.0               | 61.7    |
| GRANDE 3                     | 8.3                                 | 5.7     | 90.0               | 61.7    | 7.3                            | 6.7     | 83.3               | 68.3    | 8.7                                | 5.3     | 93.3               | 61.7    |
| KINGDOM (DB1)                | 8.3                                 | 6.0     | 93.3               | 65.0    | 9.0                            | 7.3     | 94.7               | 68.3    | 8.7                                | 6.3     | 93.3               | 61.7    |
| NIGHTCRAWLER (IS-TF 285)     | 8.7                                 | 6.3     | 91.7               | 63.3    | 9.0                            | 6.7     | 88.3               | 68.3    | 9.0                                | 6.0     | 91.7               | 61.7    |
| PPG-TF-169                   | 8.7                                 | 5.7     | 93.3               | 63.3    | 8.3                            | 6.0     | 83.3               | 53.3    | 8.3                                | 5.3     | 90.0               | 61.7    |
| PST-5EX2                     | 8.3                                 | 7.0     | 88.3               | 68.3    | 8.3                            | 8.0     | 90.0               | 73.3    | 8.3                                | 6.3     | 83.3               | 61.7    |
| TITANIUM 2LS (PPG-TF-152)    | 9.0                                 | 5.7     | 97.7               | 65.0    | 9.0                            | 5.7     | 93.0               | 60.0    | 9.0                                | 6.3     | 96.3               | 61.7    |
| B23                          | 9.0                                 | 8.3     | 96.3               | 83.3    | 8.7                            | 7.0     | 93.3               | 78.3    | 9.0                                | 6.3     | 95.0               | 60.0    |
| CATALYST                     | 9.0                                 | 7.0     | 94.7               | 76.7    | 9.0                            | 7.3     | 90.0               | 70.0    | 9.0                                | 6.0     | 93.3               | 60.0    |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 9.0                                 | 6.3     | 93.3               | 66.7    | 8.7                            | 6.7     | 89.7               | 66.7    | 8.7                                | 5.7     | 95.0               | 60.0    |

TABLE 11. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2015 DATA  
TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ \*/

| NAME                         | AFTER TRAFFIC IN SUMMER (AUGUST 18) |         |                    |         | BEFORE TRAFFIC ON SEPTEMBER 15 |         |                    |         | AFTER TRAFFIC IN FALL (NOVEMBER 4) |         |                    |         |
|------------------------------|-------------------------------------|---------|--------------------|---------|--------------------------------|---------|--------------------|---------|------------------------------------|---------|--------------------|---------|
|                              | UNIFORMITY                          |         | FULLNESS OF CANOPY |         | UNIFORMITY                     |         | FULLNESS OF CANOPY |         | UNIFORMITY                         |         | FULLNESS OF CANOPY |         |
|                              | NO TRAFFIC                          | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                     | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                         | TRAFFIC | NO TRAFFIC         | TRAFFIC |
| DIABLO (IS-TF 330)           | 9.0                                 | 7.0     | 94.7               | 75.0    | 8.0                            | 6.3     | 86.3               | 71.7    | 8.7                                | 7.0     | 90.0               | 60.0    |
| IS-TF 269 SEL                | 9.0                                 | 6.7     | 95.0               | 75.0    | 8.7                            | 7.3     | 90.0               | 76.7    | 8.3                                | 5.7     | 83.3               | 60.0    |
| IS-TF 272                    | 7.7                                 | 5.0     | 90.0               | 55.0    | 7.0                            | 6.7     | 75.0               | 60.0    | 8.0                                | 5.3     | 86.7               | 60.0    |
| IS-TF 308 SEL                | 9.0                                 | 6.7     | 91.7               | 68.3    | 8.3                            | 7.3     | 91.3               | 68.3    | 8.3                                | 6.3     | 88.3               | 60.0    |
| MAESTRO (T31)                | 8.7                                 | 6.7     | 96.0               | 71.7    | 8.3                            | 6.0     | 81.3               | 63.3    | 8.7                                | 6.3     | 88.3               | 60.0    |
| MET 1                        | 9.0                                 | 6.0     | 94.7               | 65.0    | 8.7                            | 7.0     | 91.7               | 66.7    | 8.7                                | 6.3     | 90.0               | 60.0    |
| 'SUPERSONIC (PPG-TF-170)     | 9.0                                 | 6.7     | 95.0               | 71.7    | 8.3                            | 6.3     | 86.7               | 70.0    | 8.7                                | 6.3     | 90.0               | 60.0    |
| PSG-P01                      | 8.3                                 | 4.7     | 86.7               | 56.7    | 8.7                            | 5.3     | 90.0               | 55.0    | 8.7                                | 4.7     | 93.3               | 60.0    |
| RAD-TF-83                    | 8.3                                 | 5.3     | 83.3               | 55.0    | 8.3                            | 6.7     | 85.0               | 68.3    | 8.3                                | 5.0     | 88.3               | 60.0    |
| CAESAR (TY 10)               | 9.0                                 | 6.3     | 90.0               | 61.7    | 8.7                            | 6.0     | 88.3               | 60.0    | 8.7                                | 6.0     | 90.0               | 58.3    |
| FIREBIRD 2                   | 9.0                                 | 6.0     | 93.0               | 66.7    | 8.7                            | 7.0     | 91.3               | 63.3    | 8.7                                | 6.3     | 90.0               | 58.3    |
| GTO (BURL TF-2)              | 8.3                                 | 6.3     | 93.0               | 68.3    | 7.7                            | 6.7     | 76.3               | 65.0    | 8.3                                | 6.0     | 88.3               | 58.3    |
| HOT ROD (BURL TF-136)        | 9.0                                 | 6.7     | 90.0               | 68.3    | 8.3                            | 7.0     | 88.0               | 66.7    | 8.0                                | 5.7     | 86.7               | 58.3    |
| HOUNDG8 (IS-TF 307 SEL)      | 9.0                                 | 5.7     | 96.3               | 68.3    | 9.0                            | 6.3     | 93.3               | 60.0    | 9.0                                | 5.3     | 88.3               | 58.3    |
| INSPIRATION (PST-R5NW)       | 8.0                                 | 6.3     | 90.0               | 71.7    | 8.3                            | 7.3     | 81.7               | 63.3    | 8.0                                | 5.0     | 85.0               | 58.3    |
| IS-TF 276 M2                 | 8.7                                 | 6.3     | 91.7               | 60.0    | 8.7                            | 7.3     | 85.0               | 70.0    | 8.3                                | 5.7     | 88.3               | 58.3    |
| MERIDIAN (PST-5GRB)          | 9.0                                 | 8.0     | 96.3               | 81.7    | 8.7                            | 8.3     | 94.3               | 83.3    | 8.3                                | 6.0     | 89.7               | 58.3    |
| MET-3                        | 9.0                                 | 6.0     | 91.7               | 63.3    | 8.3                            | 6.7     | 85.0               | 66.7    | 8.7                                | 6.0     | 90.0               | 58.3    |
| PST-5MVD                     | 9.0                                 | 6.3     | 93.3               | 65.0    | 9.0                            | 7.0     | 95.0               | 70.0    | 8.3                                | 5.3     | 88.3               | 58.3    |
| RAIN DANCE (PST-5SDT)        | 9.0                                 | 6.7     | 95.0               | 70.0    | 8.7                            | 7.3     | 88.3               | 73.3    | 8.0                                | 5.7     | 86.7               | 58.3    |
| SALTILLO (PST-5SALT)         | 9.0                                 | 7.0     | 94.7               | 66.7    | 9.0                            | 7.3     | 93.3               | 78.3    | 8.3                                | 6.0     | 90.0               | 58.3    |
| TECHNIQUE (RZ2)              | 9.0                                 | 7.3     | 91.3               | 76.7    | 8.0                            | 7.0     | 86.3               | 71.7    | 8.7                                | 6.3     | 94.7               | 58.3    |
| ATF 1754                     | 9.0                                 | 5.3     | 91.7               | 55.0    | 8.7                            | 6.3     | 86.7               | 58.3    | 8.7                                | 5.3     | 90.0               | 56.7    |
| FAYETTE (IS-TF 291)          | 8.7                                 | 8.0     | 95.0               | 83.3    | 8.7                            | 8.3     | 94.7               | 76.7    | 9.0                                | 6.7     | 90.0               | 56.7    |
| JS 809                       | 8.7                                 | 5.7     | 91.3               | 61.7    | 8.3                            | 6.0     | 90.0               | 66.7    | 8.7                                | 6.7     | 88.3               | 56.7    |
| PPG-TF-138                   | 8.7                                 | 6.3     | 91.7               | 63.3    | 8.0                            | 5.7     | 80.0               | 58.3    | 8.3                                | 5.7     | 86.7               | 56.7    |
| ROWDY (SRX-TPC)              | 9.0                                 | 6.7     | 95.0               | 70.0    | 9.0                            | 7.0     | 96.3               | 78.3    | 9.0                                | 6.0     | 96.0               | 56.7    |
| SWAGGER (PST-5R05)           | 8.7                                 | 6.7     | 93.3               | 68.3    | 8.7                            | 7.7     | 96.3               | 75.0    | 8.7                                | 5.0     | 90.0               | 56.7    |
| TURFWAY (IS-TF 282 M2)       | 9.0                                 | 5.7     | 93.3               | 61.7    | 9.0                            | 6.3     | 93.3               | 61.7    | 9.0                                | 6.3     | 93.3               | 56.7    |
| AVENGER II (PPG-TF-156)      | 9.0                                 | 7.7     | 99.0               | 83.3    | 8.7                            | 7.7     | 91.3               | 70.0    | 8.7                                | 5.3     | 90.0               | 55.0    |
| FESNOVA                      | 9.0                                 | 6.0     | 88.3               | 61.7    | 9.0                            | 7.0     | 93.3               | 66.7    | 8.3                                | 5.7     | 90.0               | 55.0    |
| FOXHOUND (IS-TF 284 M2)      | 8.7                                 | 6.3     | 88.3               | 66.7    | 8.3                            | 7.3     | 85.0               | 71.7    | 9.0                                | 6.3     | 90.0               | 55.0    |
| FRONTLINE (EXP TF-09)        | 7.3                                 | 4.3     | 78.3               | 46.7    | 6.7                            | 5.3     | 76.7               | 61.7    | 7.7                                | 4.7     | 86.7               | 55.0    |
| JS 818                       | 9.0                                 | 5.7     | 91.7               | 61.7    | 8.7                            | 7.0     | 95.0               | 63.3    | 8.7                                | 5.3     | 90.0               | 55.0    |
| LEONARDO (LTP-FSD)           | 9.0                                 | 6.0     | 93.3               | 70.0    | 9.0                            | 7.7     | 94.7               | 73.3    | 8.7                                | 5.7     | 90.0               | 55.0    |
| PSG-TT4                      | 8.3                                 | 5.7     | 86.7               | 61.7    | 8.3                            | 6.7     | 86.7               | 63.3    | 7.7                                | 4.7     | 83.3               | 55.0    |
| REGENERATE                   | 9.0                                 | 8.0     | 91.7               | 81.7    | 7.7                            | 7.0     | 81.7               | 73.3    | 9.0                                | 6.0     | 93.3               | 55.0    |
| RHIZING MOON (IS-TF 305 SEL) | 8.7                                 | 5.7     | 91.3               | 63.3    | 8.0                            | 6.3     | 86.7               | 65.0    | 8.3                                | 6.0     | 80.0               | 55.0    |
| TERRANO                      | 9.0                                 | 5.7     | 91.7               | 60.0    | 9.0                            | 6.7     | 95.0               | 66.7    | 9.0                                | 5.0     | 90.0               | 55.0    |
| 204 RES. BLK4                | 8.7                                 | 4.3     | 88.3               | 51.7    | 8.3                            | 5.7     | 90.0               | 63.3    | 9.0                                | 5.0     | 91.3               | 53.3    |
| AQUADUCT                     | 7.7                                 | 6.0     | 81.7               | 61.7    | 8.0                            | 7.0     | 83.3               | 66.7    | 8.3                                | 6.0     | 85.0               | 53.3    |
| ATF 1612                     | 9.0                                 | 7.7     | 93.3               | 76.7    | 8.3                            | 7.3     | 90.0               | 65.0    | 8.7                                | 5.3     | 91.7               | 53.3    |
| ATF 1736                     | 9.0                                 | 5.3     | 91.7               | 53.3    | 8.7                            | 6.3     | 88.3               | 58.3    | 8.3                                | 5.3     | 90.0               | 53.3    |
| BAR FA 121095                | 8.7                                 | 5.7     | 93.3               | 60.0    | 9.0                            | 6.3     | 85.0               | 61.7    | 8.7                                | 5.0     | 86.7               | 53.3    |
| THOR (PPG-TF-157)            | 9.0                                 | 6.0     | 93.0               | 66.7    | 9.0                            | 7.0     | 93.3               | 60.0    | 9.0                                | 4.7     | 91.7               | 53.3    |

TABLE 11. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2015 DATA  
TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ \*/

| NAME                     | AFTER TRAFFIC IN SUMMER (AUGUST 18) |         |                    |         | BEFORE TRAFFIC ON SEPTEMBER 15 |         |                    |         | AFTER TRAFFIC IN FALL (NOVEMBER 4) |         |                    |         |
|--------------------------|-------------------------------------|---------|--------------------|---------|--------------------------------|---------|--------------------|---------|------------------------------------|---------|--------------------|---------|
|                          | UNIFORMITY                          |         | FULLNESS OF CANOPY |         | UNIFORMITY                     |         | FULLNESS OF CANOPY |         | UNIFORMITY                         |         | FULLNESS OF CANOPY |         |
|                          | NO TRAFFIC                          | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                     | TRAFFIC | NO TRAFFIC         | TRAFFIC | NO TRAFFIC                         | TRAFFIC | NO TRAFFIC         | TRAFFIC |
| W41                      | 9.0                                 | 6.7     | 94.7               | 70.0    | 8.3                            | 7.0     | 84.7               | 61.7    | 8.7                                | 5.0     | 90.0               | 53.3    |
| ANNIHILATOR              | 8.3                                 | 5.7     | 81.7               | 58.3    | 8.3                            | 6.7     | 83.3               | 68.3    | 8.0                                | 4.7     | 86.7               | 51.7    |
| FIREWALL (PSG-WE1)       | 8.3                                 | 6.0     | 91.3               | 66.7    | 6.7                            | 5.7     | 71.7               | 60.0    | 7.0                                | 5.0     | 76.7               | 51.7    |
| BAR FA 121091            | 8.0                                 | 6.3     | 83.0               | 65.0    | 8.0                            | 7.0     | 81.7               | 73.3    | 8.3                                | 5.3     | 85.0               | 50.0    |
| BLOODHOUND (MET 6 SEL)   | 9.0                                 | 5.7     | 97.7               | 63.3    | 9.0                            | 6.0     | 96.3               | 61.7    | 9.0                                | 5.0     | 94.7               | 50.0    |
| DYNAMITE LS (PPG-TF-145) | 8.3                                 | 5.3     | 93.3               | 53.3    | 8.7                            | 6.0     | 93.0               | 61.7    | 9.0                                | 5.7     | 86.7               | 50.0    |
| JS 819                   | 7.7                                 | 5.0     | 81.7               | 58.3    | 7.7                            | 6.0     | 76.7               | 65.0    | 8.0                                | 5.3     | 83.3               | 50.0    |
| JS 825                   | 7.7                                 | 5.3     | 85.0               | 61.7    | 7.7                            | 6.0     | 86.7               | 61.7    | 8.0                                | 5.0     | 81.7               | 50.0    |
| PST-5DZP                 | 9.0                                 | 5.3     | 91.7               | 60.0    | 8.3                            | 6.0     | 85.0               | 63.3    | 8.0                                | 4.7     | 85.0               | 50.0    |
| UNITUS (IS-TF 289)       | 8.7                                 | 6.0     | 91.7               | 65.0    | 8.0                            | 6.7     | 81.3               | 61.7    | 8.0                                | 5.0     | 85.0               | 50.0    |
| WICHITA (PPG-TF-151)     | 9.0                                 | 5.7     | 93.3               | 65.0    | 9.0                            | 6.3     | 94.7               | 65.0    | 9.0                                | 4.7     | 93.3               | 50.0    |
| ARES (PPG-TF-142)        | 8.7                                 | 5.3     | 90.0               | 56.7    | 8.3                            | 6.0     | 86.7               | 65.0    | 8.7                                | 5.3     | 88.3               | 48.3    |
| BAR FA 121089            | 8.3                                 | 4.3     | 86.7               | 48.3    | 8.3                            | 6.0     | 86.7               | 60.0    | 8.3                                | 4.3     | 90.0               | 48.3    |
| FAITH                    | 8.0                                 | 5.0     | 88.3               | 56.7    | 6.7                            | 6.3     | 68.3               | 56.7    | 7.7                                | 4.7     | 78.3               | 48.3    |
| FALCON IV                | 8.3                                 | 5.7     | 88.3               | 56.7    | 8.0                            | 6.3     | 86.7               | 68.3    | 8.3                                | 4.3     | 85.0               | 48.3    |
| K12-05                   | 9.0                                 | 6.3     | 96.3               | 68.3    | 8.7                            | 6.3     | 95.0               | 65.0    | 9.0                                | 5.3     | 93.3               | 48.3    |
| PPG-TF-115               | 8.3                                 | 6.0     | 93.0               | 61.7    | 8.0                            | 7.3     | 80.0               | 60.0    | 8.0                                | 5.3     | 85.0               | 48.3    |
| BAR FA 120878            | 7.0                                 | 5.3     | 65.0               | 50.0    | 6.3                            | 5.7     | 65.0               | 55.0    | 7.0                                | 4.7     | 71.7               | 46.7    |
| MARAUDER                 | 8.0                                 | 4.7     | 86.7               | 48.3    | 8.3                            | 5.7     | 88.0               | 55.0    | 8.3                                | 4.0     | 90.0               | 46.7    |
| TEMPTATION (OR-21)       | 8.0                                 | 4.0     | 85.0               | 45.0    | 7.3                            | 4.7     | 76.7               | 45.0    | 8.0                                | 4.3     | 83.3               | 46.7    |
| FALCON V                 | 9.0                                 | 6.3     | 91.7               | 68.3    | 8.3                            | 4.7     | 90.0               | 53.3    | 8.3                                | 4.7     | 91.7               | 43.3    |
| PARAMOUNT (PPG-TF-137)   | 8.7                                 | 6.0     | 93.0               | 63.3    | 8.3                            | 6.0     | 90.0               | 58.3    | 8.3                                | 4.3     | 90.0               | 43.3    |
| THUNDERSTRUCK (TD1)      | 9.0                                 | 4.0     | 91.7               | 50.0    | 8.3                            | 4.7     | 88.0               | 50.0    | 8.0                                | 4.7     | 86.7               | 43.3    |
| WARHAWK                  | 7.7                                 | 4.7     | 78.3               | 50.0    | 8.0                            | 6.0     | 80.0               | 60.0    | 8.3                                | 3.7     | 81.7               | 41.7    |
| AMITY (CCR2)             | 9.0                                 | 5.3     | 91.7               | 55.0    | 8.3                            | 5.0     | 88.0               | 50.0    | 8.7                                | 4.0     | 88.3               | 40.0    |
| KY-31                    | 6.0                                 | 4.0     | 58.3               | 36.7    | 5.7                            | 5.0     | 63.3               | 46.7    | 6.0                                | 3.3     | 61.7               | 31.7    |
| LSD VALUE                | 0.8                                 | 2.4     | 9.2                | 20.1    | 2.3                            | 2.3     | 38.9               | 28.0    | 1.7                                | 2.7     | 13.4               | 29.7    |
| C.V. (%)                 | 5.6                                 | 18.4    | 5.9                | 15.8    | 10.3                           | 15.7    | 11.9               | 15.9    | 8.0                                | 20.0    | 7.1                | 18.6    |

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

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

TABLE 12.

PERCENT LIVING GROUND COVER RATINGS OF TALL FESCUE CULTIVARS 1/  
GROWN UNDER TRAFFIC STRESS AT UNIVERSITY PARK, PA 2/  
2015 DATA

| NAME                         | PREWEAR | WEAR | POSTWEAR | NAME                         | PREWEAR | WEAR | POSTWEAR |
|------------------------------|---------|------|----------|------------------------------|---------|------|----------|
|                              | 8_25    | 8_25 | 11_6     |                              | W8_25   | 8_25 | 11_6     |
| BULLSEYE                     | 99      | 99   | 80.0     | REBOUNDER (PICK-W43)         | 99      | 99   | 73.3     |
| IS-TF 276 M2                 | 99      | 99   | 80.0     | PSG-GSD                      | 99      | 99   | 73.3     |
| NIGHTCRAWLER (IS-TF 285)     | 99      | 99   | 80.0     | PSG-TT4                      | 99      | 99   | 73.3     |
| RHAMBLER 2 SRP (LSD)         | 99      | 99   | 80.0     | PST-5DZP                     | 99      | 99   | 73.3     |
| ARES (PPG-TF-142)            | 99      | 99   | 78.3     | BAR FA 120878                | 99      | 99   | 71.7     |
| HOT ROD (BURL TF-136)        | 99      | 99   | 78.3     | COMP. RES. SST               | 99      | 99   | 71.7     |
| IS-TF 272                    | 99      | 99   | 78.3     | FALCON V                     | 99      | 99   | 71.7     |
| IS-TF-287                    | 99      | 99   | 78.3     | JS 825                       | 99      | 99   | 71.7     |
| K12-MCD                      | 99      | 99   | 78.3     | JS 916                       | 99      | 99   | 71.7     |
| RAD-TF-92                    | 99      | 99   | 78.3     | KINGDOM (DB1)                | 99      | 99   | 71.7     |
| ATF 1736                     | 99      | 99   | 76.7     | LEONARDO (LTP-FSD)           | 99      | 99   | 71.7     |
| ATF 1754                     | 99      | 99   | 76.7     | BLOODHOUND (MET 6 SEL)       | 99      | 99   | 71.7     |
| FAITH                        | 99      | 99   | 76.7     | PPG-TF-169                   | 99      | 99   | 71.7     |
| GTO (BURL TF-2)              | 99      | 99   | 76.7     | PSG-8BP2                     | 99      | 99   | 71.7     |
| HEMI                         | 99      | 99   | 76.7     | PST-5BRK                     | 99      | 99   | 71.7     |
| INSPIRATION (PST-R5NW)       | 99      | 99   | 76.7     | OLYMPUS (RAD-TF-88)          | 99      | 99   | 71.7     |
| PARAMOUNT (PPG-TF-137)       | 99      | 99   | 76.7     | SALTILLO (PST-5SALT)         | 99      | 99   | 71.7     |
| RAIN DANCE (PST-5SDT)        | 99      | 99   | 76.7     | SWAGGER (PST-5R05)           | 99      | 99   | 71.7     |
| TECHNIQUE (RZ2)              | 99      | 99   | 76.7     | THUNDERSTRUCK (TD1)          | 99      | 99   | 71.7     |
| AQUADUCT                     | 99      | 99   | 75.0     | W41                          | 99      | 99   | 71.7     |
| ATF 1704                     | 99      | 99   | 75.0     | XTENDER (PPG-TF-139)         | 99      | 99   | 71.7     |
| CATALYST                     | 99      | 99   | 75.0     | 4TH MILLENNIUM SRP (U43)     | 99      | 99   | 70.0     |
| FIREBIRD 2                   | 99      | 99   | 75.0     | ANNIHILATOR                  | 99      | 99   | 70.0     |
| FIRECRACKER SLS (PPG-TF-105) | 99      | 99   | 75.0     | BAR FA 121091                | 99      | 99   | 70.0     |
| UNITUS (IS-TF 289)           | 99      | 99   | 75.0     | BIZEM                        | 99      | 99   | 70.0     |
| IS-TF 308 SEL                | 99      | 99   | 75.0     | AMITY (CCR2)                 | 99      | 99   | 70.0     |
| MET-3                        | 99      | 99   | 75.0     | F711                         | 99      | 99   | 70.0     |
| PPG-TF-138                   | 99      | 99   | 75.0     | FIREWALL (PSG-WE1)           | 99      | 99   | 70.0     |
| VALKYRIE LS (PPG-TF-172)     | 99      | 99   | 75.0     | FOXHOUND (IS-TF 284 M2)      | 99      | 99   | 70.0     |
| PSG-P01                      | 99      | 99   | 75.0     | FRONTLINE (EXP TF-09)        | 99      | 99   | 70.0     |
| PST-5EX2                     | 99      | 99   | 75.0     | MEMPHIS (GO-DFR)             | 99      | 99   | 70.0     |
| RAD-TF-89                    | 99      | 99   | 75.0     | RHIZING MOON (IS-TF 305 SEL) | 99      | 99   | 70.0     |
| RAPTOR III (ZW 44)           | 99      | 99   | 75.0     | MET 1                        | 99      | 99   | 70.0     |
| ROWDY (SRX-TPC)              | 99      | 99   | 75.0     | PPG-TF-115                   | 99      | 99   | 70.0     |
| THOR (PPG-TF-157)            | 99      | 99   | 75.0     | 'SUPERSONIC (PPG-TF-170)     | 99      | 99   | 70.0     |
| TITANIUM 2LS (PPG-TF-152)    | 99      | 99   | 75.0     | PST-5MVD                     | 99      | 99   | 70.0     |
| B23                          | 99      | 99   | 73.3     | REFLECTION (U45)             | 99      | 99   | 70.0     |
| BAR FA 121095                | 99      | 99   | 73.3     | SCREAMER LS (PPG-TF-148)     | 99      | 99   | 70.0     |
| EMBRACE (PST-5EV2)           | 99      | 99   | 73.3     | TEMPLE (DZ1)                 | 99      | 99   | 70.0     |
| FALCON IV                    | 99      | 99   | 73.3     | TRAVERSE 2 SRP (W45)         | 99      | 99   | 70.0     |
| FAYETTE (IS-TF 291)          | 99      | 99   | 73.3     | DIABLO (IS-TF 330)           | 99      | 99   | 68.3     |
| GRANDE 3                     | 99      | 99   | 73.3     | DYNAMITE LS (PPG-TF-145)     | 99      | 99   | 68.3     |
| HOUND0G8 (IS-TF 307 SEL)     | 99      | 99   | 73.3     | IS-TF 269 SEL                | 99      | 99   | 68.3     |
| IS-TF 311                    | 99      | 99   | 73.3     | JS 809                       | 99      | 99   | 68.3     |
| JS 819                       | 99      | 99   | 73.3     | JS 818                       | 99      | 99   | 68.3     |
| K12-05                       | 99      | 99   | 73.3     | PPG-TF-135                   | 99      | 99   | 68.3     |
| MERIDIAN (PST-5GRB)          | 99      | 99   | 73.3     | TURFWAY (IS-TF 282 M2)       | 99      | 99   | 68.3     |

TABLE 12.  
(CONT'D)

PERCENT LIVING GROUND COVER RATINGS OF TALL FESCUE CULTIVARS 1/  
GROWN UNDER TRAFFIC STRESS AT UNIVERSITY PARK, PA 2/  
2015 DATA

| NAME                        | PREWEAR<br>8_25 | WEAR<br>8_25 | POSTWEAR<br>11_6 |
|-----------------------------|-----------------|--------------|------------------|
| WARHAWK                     | 99              | 99           | 68.3             |
| BAR FA 121089               | 99              | 99           | 67.5             |
| RAD-TF-83                   | 99              | 99           | 67.5             |
| MARAUDER                    | 99              | 99           | 66.7             |
| REGENERATE                  | 99              | 99           | 66.7             |
| TERRANO                     | 99              | 99           | 66.7             |
| CAESAR (TY 10)              | 99              | 99           | 65.0             |
| HOVER (BURL TF-69)          | 99              | 99           | 65.0             |
| CROSSFIRE 4 (IS-TF 310 SEL) | 99              | 99           | 65.0             |
| WICHITA (PPG-TF-151)        | 99              | 99           | 65.0             |
| TEMPTATION (OR-21)          | 99              | 99           | 65.0             |
| 204 RES. BLK4               | 99              | 99           | 63.3             |
| ATF 1612                    | 99              | 99           | 63.3             |
| AVENGER II (PPG-TF-156)     | 99              | 99           | 63.3             |
| BLACK TAIL (PPG-TF-150)     | 99              | 99           | 63.3             |
| FESNOVA                     | 99              | 99           | 63.3             |
| PST-5BP0                    | 99              | 99           | 63.3             |
| ROCKWELL (LTP-TWJU)         | 99              | 99           | 63.3             |
| MAESTRO (T31)               | 99              | 99           | 61.7             |
| MICHELANGELO (LTP-F5DPDR)   | 99              | 99           | 60.0             |
| K12-13                      | 99              | 99           | 53.3             |
| KY-31                       | 99              | 99           | 41.7             |
| LSD VALUE                   | 0               | 0            | 17.2             |
| C.V. (%)                    | 0               | 0            | 10.2             |

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

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

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA

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

| NAME                         | GENETIC<br>COLOR | QUALITY RATINGS |     |     |     |     |     |     |     |        | QUALITY RATINGS                 |                                    |                              |                               |
|------------------------------|------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|--------|---------------------------------|------------------------------------|------------------------------|-------------------------------|
|                              |                  | JAN             | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP 12 | PRETRAFFIC<br>OCT 13<br>10 GAME | AFTER TRAFFIC<br>NOV 17<br>20 GAME | RECOVERY<br>DEC 1<br>2-WEEKS | RECOVERY<br>DEC 15<br>1-MONTH |
| FIRECRACKER SLS (PPG-TF-105) | 7.0              | 7.3             | 7.3 | 8.0 | 7.7 | 8.3 | 8.0 | 8.0 | 8.0 | 7.7    | 7.7                             | 7.7                                | 7.3                          | 7.3                           |
| ARES (PPG-TF-142)            | 7.7              | 7.3             | 7.3 | 8.0 | 8.0 | 8.7 | 9.0 | 8.7 | 7.7 | 8.7    | 7.7                             | 7.3                                | 7.3                          | 7.0                           |
| FALCON IV                    | 6.7              | 7.3             | 7.3 | 8.0 | 8.3 | 8.7 | 8.0 | 8.0 | 8.3 | 7.0    | 7.3                             | 7.3                                | 7.3                          | 7.0                           |
| HEMI                         | 7.0              | 8.3             | 8.0 | 8.0 | 8.7 | 8.3 | 8.0 | 8.3 | 8.7 | 7.7    | 6.7                             | 8.0                                | 7.3                          | 7.0                           |
| RAD-TF-89                    | 7.0              | 8.0             | 8.0 | 8.3 | 8.0 | 8.0 | 8.3 | 7.7 | 8.0 | 8.0    | 6.7                             | 6.7                                | 6.7                          | 7.0                           |
| WARHAWK                      | 6.3              | 8.3             | 8.0 | 8.0 | 8.0 | 8.7 | 8.0 | 8.0 | 8.7 | 8.0    | 7.3                             | 7.7                                | 7.7                          | 7.0                           |
| ATF 1612                     | 7.0              | 7.3             | 7.0 | 7.7 | 8.0 | 8.7 | 8.0 | 8.0 | 8.3 | 8.0    | 6.7                             | 7.3                                | 7.0                          | 6.7                           |
| ATF 1736                     | 7.0              | 8.3             | 8.0 | 8.0 | 8.0 | 9.0 | 8.0 | 8.3 | 8.0 | 8.0    | 7.3                             | 8.0                                | 7.3                          | 6.7                           |
| AVENGER II (PPG-TF-156)      | 7.0              | 8.0             | 7.7 | 8.0 | 8.0 | 8.7 | 8.0 | 8.3 | 8.7 | 8.0    | 7.0                             | 7.3                                | 7.0                          | 6.7                           |
| B23                          | 7.3              | 6.7             | 6.7 | 7.3 | 7.7 | 8.3 | 8.7 | 8.3 | 8.0 | 8.3    | 6.7                             | 7.0                                | 6.7                          | 6.7                           |
| BAR FA 121089                | 7.0              | 7.3             | 7.3 | 7.7 | 8.0 | 8.0 | 7.7 | 7.3 | 8.7 | 7.7    | 7.0                             | 7.3                                | 7.3                          | 6.7                           |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 7.3              | 8.0             | 7.3 | 7.7 | 8.3 | 9.0 | 8.3 | 8.7 | 8.0 | 8.3    | 7.3                             | 7.3                                | 6.7                          | 6.7                           |
| FALCON V                     | 6.3              | 8.0             | 7.7 | 7.7 | 8.3 | 8.7 | 8.0 | 8.0 | 8.0 | 7.7    | 7.0                             | 7.7                                | 7.3                          | 6.7                           |
| FAYETTE (IS-TF 291)          | 7.3              | 7.3             | 7.3 | 7.7 | 8.0 | 8.3 | 8.3 | 8.7 | 8.3 | 8.3    | 7.0                             | 7.0                                | 7.0                          | 6.7                           |
| FESNOVA                      | 7.0              | 7.3             | 7.7 | 7.7 | 8.3 | 8.7 | 8.0 | 8.0 | 8.3 | 7.7    | 7.3                             | 7.0                                | 6.3                          | 6.7                           |
| K12-05                       | 6.7              | 7.0             | 7.0 | 7.3 | 8.0 | 9.0 | 8.7 | 8.7 | 8.3 | 8.0    | 7.7                             | 7.0                                | 7.0                          | 6.7                           |
| K12-13                       | 7.7              | 7.3             | 7.0 | 7.7 | 8.3 | 8.7 | 8.7 | 8.7 | 8.3 | 8.3    | 7.0                             | 7.0                                | 7.0                          | 6.7                           |
| MAESTRO (T31)                | 7.3              | 8.0             | 7.7 | 8.3 | 8.3 | 8.7 | 8.0 | 8.7 | 8.0 | 8.0    | 7.0                             | 7.0                                | 7.0                          | 6.7                           |
| PPG-TF-115                   | 7.0              | 7.7             | 7.3 | 8.3 | 8.0 | 8.7 | 8.0 | 8.3 | 8.3 | 7.7    | 7.3                             | 7.3                                | 7.0                          | 6.7                           |
| PPG-TF-169                   | 7.0              | 7.7             | 8.0 | 7.7 | 8.7 | 8.3 | 8.0 | 8.0 | 8.0 | 8.0    | 6.7                             | 7.0                                | 7.0                          | 6.7                           |
| PST-5DZP                     | 7.0              | 7.7             | 7.3 | 7.7 | 8.7 | 9.0 | 8.3 | 8.0 | 8.3 | 8.0    | 7.7                             | 7.3                                | 7.3                          | 6.7                           |
| RAPTOR III (ZW 44)           | 7.0              | 7.7             | 7.0 | 7.7 | 8.3 | 8.0 | 8.3 | 9.0 | 8.3 | 8.0    | 7.0                             | 7.3                                | 7.0                          | 6.7                           |
| RHAMBLER 2 SRP (LSD)         | 7.3              | 7.7             | 7.3 | 7.7 | 8.3 | 8.7 | 8.0 | 8.3 | 8.0 | 7.7    | 7.0                             | 7.7                                | 7.0                          | 6.7                           |
| RHIZING MOON (IS-TF 305 SEL) | 7.7              | 8.0             | 7.7 | 7.7 | 8.7 | 9.0 | 8.3 | 9.0 | 8.3 | 8.7    | 7.3                             | 7.7                                | 7.0                          | 6.7                           |
| ROWDY (SRX-TPC)              | 7.7              | 7.0             | 7.0 | 7.3 | 7.7 | 8.7 | 8.3 | 8.0 | 8.3 | 8.3    | 7.0                             | 7.7                                | 6.7                          | 6.7                           |
| TEMPTATION (OR-21)           | 7.7              | 8.0             | 7.7 | 8.3 | 8.7 | 8.7 | 8.3 | 8.7 | 8.0 | 8.3    | 7.0                             | 7.0                                | 6.7                          | 6.7                           |
| THOR (PPG-TF-157)            | 6.7              | 7.0             | 7.0 | 8.0 | 8.0 | 8.3 | 8.3 | 8.7 | 8.0 | 7.7    | 7.0                             | 6.7                                | 6.7                          | 6.7                           |
| TITANIUM 2LS (PPG-TF-152)    | 6.7              | 7.3             | 7.3 | 7.7 | 8.0 | 8.3 | 8.3 | 8.0 | 8.3 | 8.0    | 7.0                             | 7.3                                | 7.0                          | 6.7                           |
| TRAVERSE 2 SRP (W45)         | 8.0              | 8.0             | 8.0 | 8.0 | 9.0 | 9.0 | 8.0 | 8.7 | 8.7 | 7.7    | 6.3                             | 7.0                                | 7.0                          | 6.7                           |
| TURFWAY (IS-TF 282 M2)       | 7.7              | 7.3             | 7.3 | 8.3 | 8.0 | 9.0 | 8.7 | 8.7 | 8.3 | 8.7    | 6.3                             | 7.0                                | 6.7                          | 6.7                           |
| WICHITA (PPG-TF-151)         | 7.3              | 8.0             | 7.7 | 7.7 | 8.3 | 8.3 | 8.0 | 8.0 | 8.3 | 8.0    | 7.0                             | 7.7                                | 7.3                          | 6.7                           |
| 4TH MILLENNIUM SRP (U43)     | 7.3              | 7.3             | 7.3 | 7.7 | 8.0 | 7.0 | 7.0 | 8.3 | 8.7 | 8.0    | 6.0                             | 7.3                                | 6.3                          | 6.3                           |
| ATF 1704                     | 7.0              | 7.7             | 7.3 | 7.7 | 8.3 | 8.7 | 8.0 | 8.3 | 8.3 | 8.3    | 7.0                             | 7.0                                | 6.3                          | 6.3                           |
| DIABLO (IS-TF 330)           | 7.3              | 7.3             | 7.0 | 7.3 | 7.7 | 8.7 | 8.3 | 9.0 | 8.3 | 8.3    | 8.0                             | 7.3                                | 6.7                          | 6.3                           |
| DYNAMITE LS (PPG-TF-145)     | 7.0              | 6.3             | 6.7 | 7.0 | 7.7 | 8.7 | 8.3 | 8.7 | 9.0 | 8.3    | 6.7                             | 6.7                                | 6.7                          | 6.3                           |
| FIREWALL (PSG-WE1)           | 7.3              | 7.3             | 7.0 | 7.7 | 8.3 | 8.7 | 8.3 | 8.7 | 8.7 | 8.3    | 7.0                             | 7.3                                | 6.7                          | 6.3                           |
| FOXHOUND (IS-TF 284 M2)      | 7.7              | 8.0             | 8.0 | 8.0 | 8.3 | 9.0 | 8.7 | 8.7 | 8.3 | 8.0    | 7.0                             | 7.0                                | 6.3                          | 6.3                           |
| GRANDE 3                     | 7.0              | 7.7             | 7.3 | 8.3 | 8.7 | 8.7 | 8.3 | 8.7 | 8.7 | 7.7    | 7.3                             | 7.3                                | 7.3                          | 6.3                           |
| HOT ROD (BURL TF-136)        | 7.3              | 7.7             | 7.3 | 8.0 | 8.3 | 9.0 | 8.3 | 8.7 | 8.3 | 8.3    | 6.3                             | 7.3                                | 7.0                          | 6.3                           |
| INSPIRATION (PST-R5NW)       | 7.3              | 7.3             | 6.7 | 7.3 | 8.0 | 8.3 | 8.0 | 8.3 | 8.7 | 8.0    | 8.0                             | 7.3                                | 6.3                          | 6.3                           |
| IS-TF 269 SEL                | 7.7              | 7.0             | 6.7 | 7.3 | 8.0 | 9.0 | 8.3 | 9.0 | 9.0 | 8.3    | 6.7                             | 6.7                                | 6.0                          | 6.3                           |
| IS-TF 272                    | 7.3              | 7.3             | 7.0 | 7.7 | 8.0 | 9.0 | 9.0 | 8.3 | 8.0 | 8.3    | 7.3                             | 7.3                                | 6.7                          | 6.3                           |
| IS-TF 276 M2                 | 7.0              | 7.0             | 7.3 | 7.0 | 8.0 | 9.0 | 8.3 | 8.3 | 8.0 | 8.0    | 7.7                             | 7.3                                | 6.7                          | 6.3                           |
| IS-TF 308 SEL                | 7.0              | 7.3             | 7.0 | 7.0 | 8.0 | 8.3 | 8.7 | 9.0 | 8.3 | 8.0    | 7.3                             | 6.7                                | 6.7                          | 6.3                           |
| IS-TF-287                    | 6.7              | 7.3             | 7.0 | 8.0 | 8.3 | 8.3 | 8.3 | 8.3 | 8.7 | 7.7    | 7.3                             | 6.7                                | 6.3                          | 6.3                           |



TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME                     | GENETIC<br>COLOR | QUALITY RATINGS |     |     |     |     |     |     |     |                      |                                    | QUALITY RATINGS   |                              |                               |  |
|--------------------------|------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|----------------------|------------------------------------|-------------------|------------------------------|-------------------------------|--|
|                          |                  | JAN             | FEB | MAR | APR | MAY | JUN | JUL | AUG | PRETRAFFIC<br>SEP 12 | AFTER TRAFFIC<br>OCT 13<br>10 GAME | NOV 17<br>20 GAME | RECOVERY<br>DEC 1<br>2-WEEKS | RECOVERY<br>DEC 15<br>1-MONTH |  |
| K12-MCD                  | 6.7              | 7.0             | 6.7 | 7.3 | 7.7 | 8.3 | 8.0 | 7.7 | 7.7 | 7.3                  | 7.0                                | 6.7               | 6.0                          | 6.3                           |  |
| LEONARDO (LTP-FSD)       | 7.0              | 7.7             | 7.7 | 7.7 | 8.7 | 8.3 | 8.0 | 8.0 | 8.3 | 7.7                  | 6.7                                | 6.7               | 6.7                          | 6.3                           |  |
| MEMPHIS (GO-DFR)         | 7.0              | 7.7             | 7.7 | 8.3 | 9.0 | 9.0 | 7.3 | 8.0 | 8.0 | 8.0                  | 7.7                                | 6.7               | 7.0                          | 6.3                           |  |
| NIGHTCRAWLER (IS-TF 285) | 7.3              | 7.0             | 7.7 | 7.0 | 8.0 | 8.3 | 8.0 | 8.3 | 8.7 | 7.7                  | 6.7                                | 6.3               | 6.0                          | 6.3                           |  |
| PARAMOUNT (PPG-TF-137)   | 7.0              | 7.3             | 7.0 | 7.3 | 7.7 | 8.7 | 8.3 | 8.0 | 8.3 | 8.0                  | 6.7                                | 7.0               | 6.3                          | 6.3                           |  |
| 'SUPERSONIC (PPG-TF-170) | 7.3              | 7.3             | 6.7 | 7.3 | 8.0 | 8.3 | 8.3 | 8.3 | 8.0 | 7.7                  | 7.3                                | 7.3               | 6.7                          | 6.3                           |  |
| PSG-8BP2                 | 7.0              | 7.3             | 7.0 | 7.7 | 7.7 | 8.3 | 8.0 | 8.0 | 8.0 | 7.7                  | 7.3                                | 7.3               | 6.7                          | 6.3                           |  |
| PSG-PO1                  | 7.0              | 7.0             | 7.3 | 8.0 | 8.0 | 8.0 | 8.3 | 8.3 | 8.3 | 8.3                  | 6.7                                | 6.7               | 6.7                          | 6.3                           |  |
| PST-5BPO                 | 7.0              | 7.3             | 7.3 | 8.0 | 8.0 | 8.3 | 8.0 | 8.3 | 8.0 | 7.7                  | 7.3                                | 6.7               | 6.7                          | 6.3                           |  |
| PST-5MVD                 | 6.3              | 7.0             | 6.7 | 7.3 | 7.7 | 8.7 | 8.0 | 8.7 | 8.0 | 7.7                  | 7.7                                | 6.3               | 6.3                          | 6.3                           |  |
| REFLECTION (U45)         | 7.7              | 7.7             | 7.3 | 8.0 | 8.0 | 9.0 | 8.3 | 8.7 | 9.0 | 8.0                  | 7.0                                | 7.3               | 7.0                          | 6.3                           |  |
| SCREAMER LS (PPG-TF-148) | 7.0              | 7.0             | 6.7 | 8.0 | 8.0 | 8.3 | 8.7 | 8.0 | 8.0 | 8.0                  | 6.3                                | 7.0               | 6.3                          | 6.3                           |  |
| TEMPLE (DZ1)             | 7.3              | 7.7             | 8.0 | 7.3 | 8.0 | 8.0 | 8.0 | 8.3 | 8.3 | 8.0                  | 5.0                                | 6.7               | 6.0                          | 6.3                           |  |
| THUNDERSTRUCK (TD1)      | 8.0              | 8.0             | 7.7 | 7.7 | 8.0 | 8.3 | 8.3 | 8.7 | 8.0 | 8.3                  | 6.3                                | 7.3               | 6.7                          | 6.3                           |  |
| UNITUS (IS-TF 289)       | 7.0              | 7.3             | 7.3 | 7.7 | 8.3 | 9.0 | 8.7 | 8.3 | 8.0 | 8.0                  | 7.7                                | 6.3               | 6.7                          | 6.3                           |  |
| XTENDER (PPG-TF-139)     | 7.3              | 7.3             | 7.0 | 7.7 | 8.0 | 8.7 | 8.7 | 8.3 | 8.3 | 8.3                  | 7.0                                | 7.0               | 6.7                          | 6.3                           |  |
| AMITY (CCR2)             | 7.0              | 7.0             | 6.7 | 8.0 | 8.0 | 8.7 | 8.3 | 8.7 | 8.3 | 8.0                  | 6.3                                | 6.3               | 6.0                          | 6.0                           |  |
| AQUADUCT                 | 6.3              | 7.3             | 7.3 | 7.7 | 8.0 | 8.3 | 8.0 | 8.0 | 8.0 | 7.3                  | 7.3                                | 7.0               | 6.3                          | 6.0                           |  |
| ATF 1754                 | 6.3              | 7.7             | 7.7 | 7.7 | 8.3 | 9.0 | 8.0 | 8.0 | 8.0 | 7.7                  | 6.0                                | 7.0               | 6.7                          | 6.0                           |  |
| BAR FA 120878            | 6.0              | 6.7             | 6.3 | 7.0 | 7.3 | 7.3 | 7.3 | 7.7 | 8.0 | 7.3                  | 7.0                                | 6.0               | 6.0                          | 6.0                           |  |
| BAR FA 121091            | 6.7              | 8.0             | 7.3 | 7.7 | 7.7 | 8.3 | 8.0 | 8.3 | 8.3 | 7.7                  | 7.7                                | 6.7               | 6.0                          | 6.0                           |  |
| BAR FA 121095            | 6.0              | 7.3             | 7.0 | 7.3 | 8.0 | 8.0 | 7.7 | 8.3 | 8.3 | 7.0                  | 7.7                                | 6.3               | 6.0                          | 6.0                           |  |
| BIZEM                    | 7.0              | 7.0             | 6.7 | 7.3 | 8.0 | 8.7 | 8.3 | 8.3 | 9.0 | 8.0                  | 7.0                                | 6.3               | 6.0                          | 6.0                           |  |
| CATALYST                 | 7.0              | 7.0             | 6.7 | 8.0 | 8.3 | 8.7 | 8.0 | 8.0 | 8.0 | 8.0                  | 6.3                                | 6.0               | 6.0                          | 6.0                           |  |
| COMP. RES. SST           | 6.3              | 7.0             | 6.7 | 7.3 | 7.7 | 8.0 | 8.0 | 8.3 | 8.3 | 7.7                  | 5.7                                | 7.0               | 6.3                          | 6.0                           |  |
| EMBRACE (PST-5EV2)       | 6.7              | 7.0             | 6.3 | 7.0 | 7.3 | 8.3 | 8.3 | 8.3 | 8.3 | 7.7                  | 7.0                                | 6.3               | 6.3                          | 6.0                           |  |
| F711                     | 7.3              | 7.0             | 7.0 | 7.7 | 7.7 | 8.0 | 8.3 | 8.7 | 8.3 | 8.3                  | 6.7                                | 6.7               | 6.3                          | 6.0                           |  |
| FAITH                    | 7.3              | 7.0             | 7.0 | 7.3 | 8.0 | 8.0 | 8.0 | 8.7 | 8.3 | 8.0                  | 6.7                                | 7.0               | 6.3                          | 6.0                           |  |
| FIREBIRD 2               | 6.7              | 7.7             | 7.0 | 7.0 | 8.0 | 7.7 | 7.3 | 8.3 | 8.0 | 7.0                  | 6.3                                | 6.3               | 6.3                          | 6.0                           |  |
| FRONTLINE (EXP TF-09)    | 7.0              | 7.0             | 7.0 | 7.3 | 8.3 | 8.7 | 8.0 | 8.0 | 8.3 | 7.7                  | 7.0                                | 6.3               | 6.3                          | 6.0                           |  |
| GTO (BURL TF-2)          | 7.3              | 8.0             | 7.0 | 8.3 | 8.7 | 9.0 | 8.0 | 8.3 | 8.3 | 8.0                  | 7.0                                | 7.3               | 6.7                          | 6.0                           |  |
| HOVER (BURL TF-69)       | 7.0              | 7.0             | 7.0 | 7.7 | 8.0 | 8.3 | 8.3 | 8.3 | 8.3 | 7.7                  | 7.0                                | 7.0               | 6.7                          | 6.0                           |  |
| IS-TF 311                | 6.7              | 7.3             | 7.0 | 8.0 | 8.3 | 9.0 | 8.3 | 8.3 | 8.3 | 7.7                  | 7.3                                | 6.7               | 6.7                          | 6.0                           |  |
| MERIDIAN (PST-5GRB)      | 6.3              | 7.0             | 6.7 | 7.7 | 8.3 | 9.0 | 8.0 | 8.0 | 8.3 | 8.3                  | 7.7                                | 7.0               | 6.3                          | 6.0                           |  |
| MET 1                    | 7.0              | 7.3             | 6.7 | 7.3 | 7.3 | 8.0 | 8.0 | 8.7 | 8.7 | 8.0                  | 7.3                                | 7.0               | 6.7                          | 6.0                           |  |
| OLYMPUS (RAD-TF-88)      | 6.0              | 7.3             | 6.3 | 7.0 | 8.0 | 8.0 | 8.7 | 8.7 | 8.3 | 7.3                  | 7.7                                | 7.0               | 6.7                          | 6.0                           |  |
| PPG-TF-135               | 7.3              | 7.0             | 6.7 | 7.0 | 7.7 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3                  | 5.7                                | 6.0               | 6.0                          | 6.0                           |  |
| VALKYRIE LS (PPG-TF-172) | 7.0              | 7.3             | 7.3 | 7.7 | 8.7 | 9.0 | 8.3 | 8.3 | 8.3 | 8.0                  | 7.3                                | 7.3               | 6.7                          | 6.0                           |  |
| PSG-GSD                  | 6.0              | 7.3             | 7.0 | 7.0 | 7.3 | 8.0 | 7.7 | 8.0 | 8.0 | 7.7                  | 7.0                                | 7.0               | 6.7                          | 6.0                           |  |
| RAD-TF-92                | 6.3              | 7.3             | 7.3 | 8.0 | 8.0 | 8.7 | 9.0 | 8.7 | 7.7 | 7.0                  | 6.3                                | 6.7               | 6.3                          | 6.0                           |  |
| ROCKWELL (LTP-TWUU)      | 7.7              | 7.7             | 7.3 | 8.0 | 8.3 | 8.3 | 8.3 | 8.3 | 8.0 | 8.0                  | 6.7                                | 7.0               | 6.3                          | 6.0                           |  |
| SALTILLO (PST-5SALT)     | 6.0              | 7.0             | 6.7 | 7.3 | 7.7 | 8.3 | 8.0 | 8.3 | 8.0 | 7.7                  | 7.0                                | 6.7               | 6.3                          | 6.0                           |  |
| TERRANO                  | 7.0              | 7.3             | 7.3 | 7.3 | 8.3 | 8.7 | 8.0 | 8.3 | 7.3 | 7.3                  | 6.3                                | 6.0               | 6.0                          | 6.0                           |  |
| 204 RES. BLK4            | 5.7              | 6.7             | 7.0 | 7.3 | 7.7 | 8.3 | 8.0 | 8.3 | 8.0 | 7.7                  | 5.7                                | 6.0               | 6.0                          | 5.7                           |  |
| ANNIHILATOR              | 5.7              | 6.7             | 6.7 | 7.0 | 7.7 | 8.0 | 8.0 | 8.0 | 8.3 | 6.3                  | 6.3                                | 6.3               | 6.3                          | 5.7                           |  |

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA

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

| NAME                      | GENETIC<br>COLOR | QUALITY RATINGS |     |     |     |     |     |     |     | PRETRAFFIC<br>SEP 12 | QUALITY RATINGS<br>AFTER TRAFFIC |                   |      | RECOVERY<br>DEC 1<br>2-WEEKS | RECOVERY<br>DEC 15<br>1-MONTH |
|---------------------------|------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|----------------------|----------------------------------|-------------------|------|------------------------------|-------------------------------|
|                           |                  | JAN             | FEB | MAR | APR | MAY | JUN | JUL | AUG |                      | OCT 13<br>10 GAME                | NOV 17<br>20 GAME |      |                              |                               |
| BULLSEYE                  | 6.7              | 7.3             | 7.3 | 7.7 | 8.0 | 8.3 | 8.0 | 8.0 | 8.3 | 7.7                  | 6.0                              | 6.7               | 6.0  | 5.7                          |                               |
| CAESAR (TY 10)            | 7.7              | 7.0             | 7.0 | 7.0 | 7.7 | 7.7 | 7.7 | 8.3 | 8.0 | 7.7                  | 5.7                              | 5.7               | 5.7  | 5.7                          |                               |
| HOUND08 (IS-TF 307 SEL)   | 7.0              | 7.0             | 6.7 | 7.7 | 8.3 | 8.7 | 8.7 | 8.7 | 8.3 | 8.0                  | 8.0                              | 6.0               | 6.0  | 5.7                          |                               |
| JS 809                    | 6.7              | 6.7             | 6.3 | 7.0 | 8.0 | 8.0 | 8.3 | 8.3 | 8.0 | 7.7                  | 6.3                              | 6.7               | 6.3  | 5.7                          |                               |
| KINGDOM (DB1)             | 7.3              | 6.3             | 6.0 | 7.0 | 7.7 | 8.3 | 8.3 | 8.7 | 8.0 | 7.7                  | 6.3                              | 6.7               | 6.0  | 5.7                          |                               |
| MARAUDER                  | 6.7              | 6.7             | 6.3 | 7.0 | 7.3 | 8.3 | 8.0 | 8.0 | 8.3 | 7.7                  | 6.3                              | 6.0               | 6.0  | 5.7                          |                               |
| PPG-TF-138                | 6.3              | 7.3             | 7.7 | 7.3 | 7.3 | 7.7 | 8.3 | 8.7 | 8.0 | 8.0                  | 6.0                              | 6.0               | 6.0  | 5.7                          |                               |
| PSG-TT4                   | 6.7              | 7.0             | 6.7 | 7.7 | 8.0 | 8.3 | 8.0 | 8.0 | 8.3 | 7.7                  | 7.3                              | 6.0               | 6.0  | 5.7                          |                               |
| PST-5BRK                  | 6.3              | 7.3             | 6.7 | 7.0 | 7.7 | 7.7 | 7.7 | 8.3 | 8.7 | 7.3                  | 6.7                              | 6.0               | 5.7  | 5.7                          |                               |
| RAD-TF-83                 | 5.7              | 7.3             | 6.7 | 7.7 | 8.0 | 8.3 | 8.3 | 8.7 | 8.7 | 6.7                  | 6.3                              | 6.0               | 5.7  | 5.7                          |                               |
| RAIN DANCE (PST-5SDT)     | 6.0              | 6.7             | 6.7 | 7.7 | 8.0 | 8.0 | 8.3 | 7.7 | 8.0 | 7.0                  | 7.0                              | 6.0               | 6.0  | 5.7                          |                               |
| REBOUNDER (PICK-W43)      | 7.3              | 7.0             | 7.3 | 8.0 | 8.3 | 8.7 | 8.3 | 8.3 | 8.3 | 8.0                  | 6.7                              | 6.7               | 6.0  | 5.7                          |                               |
| SWAGGER (PST-5R05)        | 6.3              | 8.3             | 7.3 | 7.7 | 7.7 | 7.7 | 8.0 | 8.0 | 8.0 | 7.7                  | 7.0                              | 6.7               | 6.3  | 5.7                          |                               |
| TECHNIQUE (RZ2)           | 7.0              | 7.7             | 7.0 | 7.7 | 8.3 | 8.7 | 8.0 | 8.0 | 7.7 | 8.0                  | 7.0                              | 6.3               | 6.0  | 5.7                          |                               |
| W41                       | 8.0              | 7.3             | 7.0 | 7.7 | 7.7 | 8.7 | 8.7 | 9.0 | 9.0 | 8.3                  | 6.7                              | 6.7               | 6.0  | 5.7                          |                               |
| BLACK TAIL (PPG-TF-150)   | 7.0              | 6.7             | 6.7 | 7.7 | 8.3 | 8.7 | 8.3 | 8.7 | 8.7 | 8.0                  | 6.7                              | 5.7               | 5.0  | 5.3                          |                               |
| BLOODHOUND (MET 6 SEL)    | 7.0              | 6.7             | 6.0 | 7.3 | 7.7 | 8.0 | 8.0 | 8.0 | 8.3 | 7.3                  | 6.0                              | 5.0               | 5.7  | 5.3                          |                               |
| JS 818                    | 6.7              | 6.7             | 6.7 | 7.0 | 7.3 | 8.0 | 8.3 | 8.3 | 8.3 | 7.3                  | 6.3                              | 5.7               | 6.0  | 5.3                          |                               |
| JS 819                    | 7.0              | 7.0             | 7.0 | 7.3 | 7.7 | 8.7 | 8.0 | 8.0 | 8.7 | 7.7                  | 6.3                              | 6.3               | 6.0  | 5.3                          |                               |
| JS 825                    | 6.3              | 6.3             | 6.3 | 6.7 | 7.0 | 8.0 | 8.0 | 8.0 | 8.7 | 7.7                  | 6.7                              | 6.3               | 6.0  | 5.3                          |                               |
| JS 916                    | 6.7              | 7.3             | 6.7 | 7.0 | 7.0 | 8.0 | 8.0 | 8.3 | 8.3 | 8.0                  | 5.7                              | 5.7               | 5.7  | 5.3                          |                               |
| KY-31                     | 4.3              | 6.7             | 6.3 | 6.3 | 6.7 | 7.3 | 6.7 | 7.0 | 8.3 | 6.0                  | 5.7                              | 5.3               | 5.3  | 5.3                          |                               |
| MET-3                     | 6.7              | 7.3             | 7.0 | 8.0 | 8.0 | 8.7 | 8.3 | 8.0 | 8.3 | 7.7                  | 7.0                              | 7.0               | 6.3  | 5.3                          |                               |
| PST-5EX2                  | 5.7              | 7.0             | 7.3 | 6.7 | 7.0 | 6.7 | 7.0 | 8.0 | 8.3 | 7.0                  | 4.7                              | 5.0               | 5.0  | 5.3                          |                               |
| REGENERATE                | 8.0              | 6.0             | 6.7 | 6.3 | 7.3 | 8.0 | 8.0 | 8.0 | 7.7 | 8.0                  | 5.3                              | 5.3               | 4.7  | 5.0                          |                               |
| MICHELANGELO (LTP-F5DPDR) | 6.7              | 6.7             | 6.3 | 7.0 | 7.3 | 8.0 | 8.3 | 8.0 | 8.0 | 7.7                  | 5.3                              | 5.3               | 5.3  | 4.7                          |                               |
| LSD VALUE                 | 1.3              | .               | .   | .   | .   | .   | .   | .   | .   | 1.1                  | 2.3                              | 3.9               | 3.0  | 3.0                          |                               |
| C.V. (%)                  | 9.7              | .               | .   | .   | .   | .   | .   | .   | .   | 7.0                  | 13.2                             | 15.1              | 13.4 | 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 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME                         | PERCENT LIVING GROUND COVER RATINGS |      |        |                      |                                    |                   | RECOVERY FROM TRAFFIC |                   |
|------------------------------|-------------------------------------|------|--------|----------------------|------------------------------------|-------------------|-----------------------|-------------------|
|                              | MARCH                               | MAY  | AUGUST | PRETRAFFIC<br>SEP 19 | AFTER TRAFFIC<br>OCT 13<br>10 GAME | NOV 17<br>20 GAME | DEC 1<br>2-WEEKS      | DEC 15<br>1-MONTH |
| FIRECRACKER SLS (PPG-TF-105) | 94.3                                | 97.7 | 93.3   | 96.3                 | 28.3                               | 88.7              | 84.3                  | 79.7              |
| ARES (PPG-TF-142)            | 92.7                                | 98.0 | 95.7   | 97.3                 | 38.0                               | 84.7              | 80.7                  | 76.7              |
| FALCON IV                    | 95.7                                | 97.7 | 93.7   | 96.3                 | 28.3                               | 87.3              | 83.0                  | 78.0              |
| HEMI                         | 95.0                                | 97.3 | 93.0   | 96.3                 | 58.3                               | 86.7              | 82.0                  | 77.0              |
| RAD-TF-89                    | 92.0                                | 97.3 | 95.0   | 96.3                 | 83.7                               | 76.0              | 75.3                  | 74.3              |
| WARHAWK                      | 91.7                                | 97.7 | 93.7   | 96.7                 | 54.7                               | 85.0              | 81.0                  | 76.3              |
| ATF 1612                     | 93.3                                | 97.7 | 94.3   | 97.0                 | 51.0                               | 81.0              | 77.3                  | 74.3              |
| ATF 1736                     | 96.7                                | 98.0 | 93.3   | 97.3                 | 18.7                               | 88.0              | 83.0                  | 78.0              |
| AVENGER II (PPG-TF-156)      | 94.0                                | 97.3 | 93.7   | 96.7                 | 51.0                               | 80.3              | 76.0                  | 72.0              |
| B23                          | 86.7                                | 97.3 | 94.7   | 97.3                 | 47.0                               | 76.7              | 74.3                  | 72.0              |
| BAR FA 121089                | 89.0                                | 97.7 | 92.0   | 96.7                 | 40.7                               | 80.7              | 77.3                  | 73.3              |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 91.3                                | 97.7 | 92.7   | 96.7                 | 44.0                               | 81.0              | 76.3                  | 71.7              |
| FALCON V                     | 92.7                                | 97.3 | 93.7   | 97.0                 | 65.0                               | 88.7              | 84.0                  | 79.3              |
| FAYETTE (IS-TF 291)          | 87.3                                | 97.7 | 94.0   | 96.7                 | 50.7                               | 77.7              | 76.0                  | 74.7              |
| FESNOVA                      | 87.3                                | 97.7 | 93.3   | 96.0                 | 50.3                               | 73.3              | 70.0                  | 66.3              |
| K12-05                       | 90.7                                | 98.0 | 93.3   | 96.7                 | 40.3                               | 76.0              | 73.7                  | 71.3              |
| K12-13                       | 92.3                                | 98.0 | 93.3   | 97.0                 | 50.7                               | 78.0              | 77.0                  | 76.7              |
| MAESTRO (T31)                | 93.3                                | 98.0 | 94.0   | 97.0                 | 37.7                               | 82.3              | 78.3                  | 74.7              |
| PPG-TF-115                   | 97.0                                | 97.7 | 93.3   | 97.0                 | 41.3                               | 82.7              | 79.0                  | 75.3              |
| PPG-TF-169                   | 93.3                                | 97.7 | 93.3   | 96.3                 | 64.3                               | 82.3              | 77.0                  | 71.7              |
| PST-5DZP                     | 94.7                                | 97.7 | 94.3   | 97.0                 | 45.0                               | 84.3              | 79.0                  | 73.7              |
| RAPTOR III (ZW 44)           | 90.3                                | 98.0 | 94.0   | 96.7                 | 37.3                               | 79.0              | 76.7                  | 75.3              |
| RHAMBLER 2 SRP (LSD)         | 91.3                                | 98.0 | 94.3   | 96.7                 | 38.0                               | 85.7              | 82.0                  | 77.7              |
| RHIZING MOON (IS-TF 305 SEL) | 92.0                                | 97.3 | 94.7   | 97.0                 | 51.3                               | 84.7              | 80.0                  | 75.3              |
| ROWDY (SRX-TPC)              | 87.0                                | 97.7 | 92.7   | 96.7                 | 47.7                               | 82.0              | 76.0                  | 70.0              |
| TEMPTATION (OR-21)           | 93.3                                | 97.0 | 93.0   | 96.7                 | 54.0                               | 76.3              | 74.0                  | 71.3              |
| THOR (PPG-TF-157)            | 92.0                                | 97.0 | 94.0   | 96.7                 | 31.0                               | 80.0              | 79.0                  | 77.7              |
| TITANIUM 2LS (PPG-TF-152)    | 90.7                                | 97.7 | 93.7   | 96.3                 | 24.3                               | 81.0              | 76.3                  | 72.3              |
| TRAVERSE 2 SRP (W45)         | 94.0                                | 98.3 | 93.7   | 96.3                 | 37.0                               | 74.3              | 72.0                  | 68.7              |
| TURFWAY (IS-TF 282 M2)       | 93.0                                | 98.0 | 94.0   | 97.0                 | 77.3                               | 76.0              | 73.7                  | 72.0              |
| WICHITA (PPG-TF-151)         | 90.3                                | 97.3 | 94.3   | 96.7                 | 41.3                               | 83.3              | 81.7                  | 79.3              |
| 4TH MILLENNIUM SRP (U43)     | 80.7                                | 90.0 | 92.3   | 96.3                 | 60.3                               | 74.0              | 69.7                  | 64.7              |
| ATF 1704                     | 95.7                                | 97.7 | 93.7   | 97.0                 | 74.0                               | 81.3              | 76.3                  | 71.7              |
| DIABLO (IS-TF 330)           | 90.0                                | 98.0 | 94.3   | 97.0                 | 31.0                               | 81.7              | 76.7                  | 71.7              |
| DYNAMITE LS (PPG-TF-145)     | 88.3                                | 98.3 | 94.7   | 97.0                 | 47.3                               | 77.7              | 76.7                  | 75.7              |
| FIREWALL (PSG-WE1)           | 94.7                                | 98.0 | 94.0   | 97.0                 | 24.0                               | 81.3              | 74.3                  | 67.7              |
| FOXHOUND (IS-TF 284 M2)      | 94.7                                | 98.3 | 92.7   | 96.7                 | 37.7                               | 80.3              | 75.3                  | 69.7              |
| GRANDE 3                     | 93.3                                | 98.0 | 94.3   | 95.7                 | 65.0                               | 85.3              | 79.7                  | 73.7              |
| HOT ROD (BURL TF-136)        | 94.3                                | 98.0 | 92.7   | 96.3                 | 60.7                               | 79.0              | 74.3                  | 69.3              |
| INSPIRATION (PST-R5NW)       | 89.0                                | 97.3 | 94.0   | 96.7                 | 81.3                               | 84.7              | 78.3                  | 72.0              |
| IS-TF 269 SEL                | 88.0                                | 98.3 | 95.3   | 96.7                 | 50.0                               | 71.7              | 68.3                  | 65.7              |
| IS-TF 272                    | 94.0                                | 98.0 | 93.3   | 97.0                 | 61.3                               | 84.7              | 79.3                  | 73.7              |
| IS-TF 276 M2                 | 90.0                                | 98.0 | 93.3   | 96.7                 | 57.7                               | 80.3              | 75.3                  | 71.0              |
| IS-TF 308 SEL                | 92.0                                | 98.7 | 94.0   | 97.0                 | 57.7                               | 78.7              | 72.7                  | 66.3              |
| IS-TF-287                    | 92.0                                | 97.7 | 93.3   | 96.3                 | 77.3                               | 78.3              | 74.3                  | 70.3              |

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME                     | PERCENT LIVING GROUND COVER RATINGS |      |        |                      |                                    |                   | RECOVERY FROM TRAFFIC |                   |
|--------------------------|-------------------------------------|------|--------|----------------------|------------------------------------|-------------------|-----------------------|-------------------|
|                          | MARCH                               | MAY  | AUGUST | PRETRAFFIC<br>SEP 19 | AFTER TRAFFIC<br>OCT 13<br>10 GAME | NOV 17<br>20 GAME | DEC 1<br>2-WEEKS      | DEC 15<br>1-MONTH |
| K12-MCD                  | 86.0                                | 97.3 | 92.3   | 96.3                 | 19.7                               | 69.0              | 67.7                  | 66.7              |
| LEONARDO (LTP-FSD)       | 94.7                                | 97.0 | 94.0   | 97.0                 | 53.7                               | 74.7              | 72.3                  | 70.0              |
| MEMPHIS (GO-DFR)         | 96.0                                | 97.7 | 91.7   | 96.3                 | 81.0                               | 80.3              | 76.0                  | 71.7              |
| NIGHTCRAWLER (IS-TF 285) | 85.7                                | 97.7 | 94.7   | 97.0                 | 86.3                               | 70.3              | 68.3                  | 66.3              |
| PARAMOUNT (PPG-TF-137)   | 87.7                                | 97.3 | 92.0   | 96.7                 | 13.3                               | 70.0              | 68.3                  | 66.3              |
| 'SUPERSONIC (PPG-TF-170) | 90.3                                | 98.0 | 93.3   | 96.7                 | 60.7                               | 80.0              | 76.7                  | 73.3              |
| PSG-8BP2                 | 91.3                                | 97.3 | 93.7   | 96.3                 | 71.0                               | 80.3              | 74.7                  | 68.3              |
| PSG-P01                  | 92.3                                | 97.3 | 94.0   | 97.0                 | 47.0                               | 74.3              | 73.3                  | 72.7              |
| PST-5BPO                 | 95.0                                | 98.0 | 93.7   | 97.0                 | 70.7                               | 78.0              | 73.7                  | 69.3              |
| PST-5MVD                 | 89.0                                | 96.0 | 94.0   | 97.0                 | 70.3                               | 74.3              | 71.7                  | 69.0              |
| REFLECTION (U45)         | 93.7                                | 98.0 | 94.3   | 96.0                 | 44.7                               | 83.0              | 78.0                  | 72.7              |
| SCREAMER LS (PPG-TF-148) | 93.3                                | 97.7 | 92.3   | 96.3                 | 71.0                               | 79.0              | 74.3                  | 69.3              |
| TEMPLE (DZ1)             | 88.0                                | 97.0 | 94.0   | 97.0                 | 36.3                               | 67.7              | 66.7                  | 66.0              |
| THUNDERSTRUCK (TD1)      | 93.0                                | 97.7 | 94.0   | 96.7                 | 88.0                               | 82.7              | 79.7                  | 76.7              |
| UNITUS (IS-TF 289)       | 92.3                                | 97.3 | 92.3   | 96.3                 | 63.7                               | 72.7              | 72.7                  | 72.3              |
| XTENDER (PPG-TF-139)     | 91.0                                | 98.0 | 93.3   | 96.7                 | 51.0                               | 81.7              | 76.3                  | 70.3              |
| AMITY (CCR2)             | 88.3                                | 97.7 | 94.0   | 97.0                 | 52.7                               | 66.3              | 65.0                  | 63.3              |
| AQUADUCT                 | 90.7                                | 97.7 | 92.0   | 96.3                 | 61.0                               | 81.0              | 74.0                  | 67.3              |
| ATF 1754                 | 94.3                                | 98.0 | 93.0   | 96.7                 | 64.0                               | 80.0              | 76.3                  | 72.7              |
| BAR FA 120878            | 84.3                                | 97.3 | 92.7   | 97.3                 | 29.7                               | 67.3              | 67.7                  | 67.3              |
| BAR FA 121091            | 88.3                                | 97.0 | 93.7   | 96.3                 | 73.7                               | 73.7              | 71.0                  | 68.0              |
| BAR FA 121095            | 87.7                                | 97.3 | 93.3   | 96.0                 | 43.3                               | 74.0              | 69.7                  | 65.3              |
| BIZEM                    | 88.7                                | 98.0 | 93.3   | 96.3                 | 46.3                               | 70.0              | 66.7                  | 63.3              |
| CATALYST                 | 88.7                                | 97.3 | 92.7   | 96.0                 | 49.3                               | 64.3              | 63.0                  | 61.7              |
| COMP. RES. SST           | 87.3                                | 97.3 | 93.7   | 96.7                 | 60.7                               | 75.0              | 71.7                  | 68.0              |
| EMBRACE (PST-5EV2)       | 88.7                                | 97.3 | 94.0   | 97.0                 | 43.3                               | 72.0              | 69.0                  | 65.7              |
| F711                     | 89.7                                | 97.3 | 93.3   | 97.0                 | 43.7                               | 74.0              | 70.0                  | 66.7              |
| FAITH                    | 92.3                                | 97.7 | 94.3   | 97.0                 | 57.3                               | 77.7              | 72.3                  | 67.0              |
| FIREBIRD 2               | 79.0                                | 93.7 | 92.0   | 96.0                 | 59.3                               | 63.7              | 63.7                  | 63.3              |
| FRONTLINE (EXP TF-09)    | 88.7                                | 96.3 | 92.3   | 95.7                 | 89.7                               | 68.3              | 67.3                  | 66.0              |
| GTO (BURL TF-2)          | 95.0                                | 98.0 | 93.7   | 96.0                 | 54.7                               | 83.0              | 76.0                  | 68.7              |
| HOVER (BURL TF-69)       | 89.7                                | 97.7 | 94.0   | 96.3                 | 67.0                               | 73.3              | 68.3                  | 63.0              |
| IS-TF 311                | 94.7                                | 98.0 | 92.7   | 96.3                 | 37.3                               | 77.7              | 72.0                  | 65.7              |
| MERIDIAN (PST-5GRB)      | 93.3                                | 98.3 | 93.3   | 97.3                 | 37.7                               | 84.0              | 75.7                  | 67.7              |
| MET 1                    | 86.3                                | 95.3 | 93.3   | 97.0                 | 54.0                               | 79.7              | 76.3                  | 72.7              |
| OLYMPUS (RAD-TF-88)      | 84.3                                | 97.0 | 94.7   | 96.3                 | 87.3                               | 77.3              | 72.0                  | 66.0              |
| PPG-TF-135               | 84.0                                | 97.3 | 93.3   | 96.7                 | 52.3                               | 59.3              | 61.7                  | 64.7              |
| VALKYRIE LS (PPG-TF-172) | 93.0                                | 98.0 | 93.0   | 96.7                 | 41.0                               | 78.7              | 74.7                  | 70.7              |
| PSG-GSD                  | 82.7                                | 95.7 | 94.3   | 97.0                 | 44.7                               | 80.7              | 77.7                  | 75.3              |
| RAD-TF-92                | 88.3                                | 97.0 | 92.7   | 95.0                 | 63.3                               | 71.7              | 67.0                  | 62.3              |
| ROCKWELL (LTP-TWUJ)      | 91.7                                | 97.3 | 93.0   | 97.0                 | 46.7                               | 73.0              | 70.7                  | 68.0              |
| SALTILLO (PST-5SALT)     | 94.7                                | 98.3 | 94.3   | 97.3                 | 53.3                               | 71.3              | 69.7                  | 68.0              |
| TERRANO                  | 86.3                                | 98.0 | 93.7   | 96.0                 | 52.3                               | 62.7              | 62.7                  | 62.7              |
| 204 RES. BLK4            | 89.3                                | 97.0 | 94.0   | 97.3                 | 56.3                               | 67.7              | 67.0                  | 66.0              |
| ANNIHILATOR              | 82.0                                | 96.7 | 94.0   | 95.3                 | 43.7                               | 72.3              | 68.3                  | 64.7              |

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA

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

| NAME                      | PERCENT LIVING GROUND COVER RATINGS |      |        |                      |                                    |                   |   |                   |
|---------------------------|-------------------------------------|------|--------|----------------------|------------------------------------|-------------------|---|-------------------|
|                           | MARCH                               | MAY  | AUGUST | PRETRAFFIC<br>SEP 19 | AFTER TRAFFIC<br>OCT 13<br>10 GAME | NOV 17<br>20 GAME | RECOVERY FROM TRAFFIC<br>DEC 1<br>2-WEEKS | DEC 15<br>1-MONTH |
| BULLSEYE                  | 90.0                                | 97.3 | 93.3   | 96.0                 | 40.0                               | 69.7              | 66.3                                      | 63.7              |
| CAESAR (TY 10)            | 76.0                                | 95.7 | 94.0   | 96.3                 | 48.3                               | 54.7              | 57.0                                      | 60.0              |
| HOUNDOG8 (IS-TF 307 SEL)  | 92.0                                | 98.7 | 94.3   | 96.7                 | 49.3                               | 66.0              | 61.3                                      | 56.7              |
| JS 809                    | 82.7                                | 96.7 | 92.3   | 95.7                 | 76.3                               | 69.3              | 66.0                                      | 63.7              |
| KINGDOM (DB1)             | 83.0                                | 96.3 | 94.3   | 97.0                 | 50.0                               | 69.7              | 67.0                                      | 64.0              |
| MARAUDER                  | 79.0                                | 97.0 | 92.0   | 96.7                 | 39.3                               | 65.0              | 66.3                                      | 67.7              |
| PPG-TF-138                | 85.0                                | 96.0 | 94.7   | 97.3                 | 32.7                               | 62.3              | 62.3                                      | 62.0              |
| PSG-TT4                   | 94.7                                | 98.0 | 92.7   | 97.0                 | 53.3                               | 72.3              | 68.3                                      | 64.0              |
| PST-5BRK                  | 86.7                                | 96.3 | 94.3   | 97.0                 | 53.0                               | 66.0              | 63.0                                      | 60.0              |
| RAD-TF-83                 | 91.7                                | 97.7 | 94.0   | 95.0                 | 53.0                               | 65.3              | 62.7                                      | 59.7              |
| RAIN DANCE (PST-5SDT)     | 90.7                                | 97.7 | 92.7   | 96.7                 | 33.3                               | 71.0              | 65.7                                      | 60.7              |
| REBOUNDER (PICK-W43)      | 90.3                                | 97.3 | 95.0   | 96.3                 | 29.3                               | 67.3              | 64.3                                      | 61.0              |
| SWAGGER (PST-5R05)        | 91.0                                | 96.3 | 93.7   | 97.0                 | 66.7                               | 71.0              | 68.3                                      | 65.3              |
| TECHNIQUE (RZ2)           | 87.3                                | 96.7 | 92.7   | 96.7                 | 41.7                               | 61.3              | 59.7                                      | 57.3              |
| W41                       | 89.0                                | 97.7 | 94.3   | 96.7                 | 53.3                               | 71.7              | 67.0                                      | 61.3              |
| BLACK TAIL (PPG-TF-150)   | 90.3                                | 98.3 | 94.0   | 96.7                 | 65.3                               | 59.7              | 55.7                                      | 51.0              |
| BLOODHOUND (MET 6 SEL)    | 85.7                                | 97.3 | 92.3   | 96.7                 | 51.3                               | 53.3              | 56.3                                      | 59.3              |
| JS 818                    | 77.7                                | 96.3 | 93.3   | 96.7                 | 65.3                               | 59.3              | 60.0                                      | 61.0              |
| JS 819                    | 82.3                                | 97.3 | 93.3   | 96.3                 | 42.7                               | 64.3              | 64.0                                      | 63.0              |
| JS 825                    | 76.7                                | 95.0 | 92.7   | 96.7                 | 36.3                               | 66.3              | 64.0                                      | 61.7              |
| JS 916                    | 69.7                                | 94.3 | 92.3   | 97.0                 | 51.7                               | 55.0              | 53.7                                      | 52.3              |
| KY-31                     | 73.3                                | 96.3 | 93.3   | 96.3                 | 51.0                               | 50.7              | 53.7                                      | 56.3              |
| MET-3                     | 92.3                                | 98.0 | 94.7   | 96.3                 | 60.7                               | 77.7              | 71.7                                      | 66.0              |
| PST-5EX2                  | 82.7                                | 93.0 | 93.0   | 97.0                 | 48.0                               | 47.7              | 51.3                                      | 54.3              |
| REGENERATE                | 69.3                                | 94.0 | 93.7   | 97.0                 | 60.3                               | 41.3              | 43.0                                      | 45.0              |
| MICHELANGELO (LTP-F5DPDR) | 78.3                                | 96.3 | 93.7   | 96.7                 | 51.3                               | 52.3              | 53.3                                      | 54.0              |
| LSD VALUE                 | 30.9                                | 6.2  | 7.8    | 1.7                  | 180.6                              | 56.1              | 44.2                                      | 34.7              |
| C.V. (%)                  | 9.7                                 | 1.9  | 1.6    | 0.7                  | 58.9                               | 20.2              | 17.2                                      | 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 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA

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

| NAME                         | TDR MOISTURE PROBE RATINGS AFTER TRAFFIC |                  |                   |                  |                   | CLEGG (GMAX) RATINGS AFTER TRAFFIC |                  |                   |                  |                   |
|------------------------------|--|------------------|-------------------|------------------|-------------------|------------------------------------|------------------|-------------------|------------------|-------------------|
|                              | PRETRAFFIC<br>SEP 18                     | 5 GAME<br>SEP 30 | 10 GAME<br>OCT 12 | 15 GAME<br>NOV 5 | 20 GAME<br>NOV 17 | PRETRAFFIC<br>SEP 18               | 5 GAME<br>SEP 30 | 10 GAME<br>OCT 12 | 15 GAME<br>NOV 5 | 20 GAME<br>NOV 17 |
| FIRECRACKER SLS (PPG-TF-105) | 22.7                                     | 37.0             | 33.0              | 31.0             | 25.0              | 77.3                               | 50.7             | 47.3              | 47.0             | 86.0              |
| ARES (PPG-TF-142)            | 18.3                                     | 35.3             | 31.3              | 31.0             | 23.7              | 82.3                               | 52.0             | 43.0              | 59.0             | 84.3              |
| FALCON IV                    | 22.7                                     | 39.3             | 35.0              | 32.0             | 25.3              | 74.7                               | 49.7             | 42.7              | 43.7             | 85.0              |
| HEMI                         | 22.7                                     | 37.7             | 33.7              | 30.3             | 24.3              | 78.0                               | 54.0             | 46.3              | 53.0             | 86.7              |
| RAD-TF-89                    | 21.0                                     | 36.7             | 33.7              | 30.0             | 24.0              | 91.0                               | 52.3             | 38.7              | 58.0             | 82.3              |
| WARHAWK                      | 19.7                                     | 34.0             | 31.3              | 29.7             | 23.3              | 91.7                               | 57.0             | 57.7              | 56.0             | 86.7              |
| ATF 1612                     | 24.0                                     | 37.7             | 33.7              | 31.7             | 26.0              | 78.0                               | 53.7             | 48.7              | 48.0             | 80.0              |
| ATF 1736                     | 21.7                                     | 37.0             | 34.0              | 31.0             | 25.7              | 95.7                               | 49.7             | 37.0              | 60.3             | 86.3              |
| AVENGER II (PPG-TF-156)      | 21.0                                     | 37.7             | 34.0              | 32.7             | 24.7              | 87.3                               | 55.7             | 42.0              | 55.0             | 76.7              |
| B23                          | 19.0                                     | 36.3             | 31.3              | 32.0             | 25.3              | 83.7                               | 55.7             | 50.0              | 53.0             | 84.3              |
| BAR FA 121089                | 19.7                                     | 34.3             | 35.7              | 30.0             | 26.7              | 90.0                               | 57.0             | 47.0              | 54.7             | 89.7              |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 21.3                                     | 38.7             | 34.7              | 33.7             | 25.0              | 87.7                               | 53.7             | 39.7              | 52.0             | 78.0              |
| FALCON V                     | 21.7                                     | 35.3             | 33.7              | 31.7             | 26.0              | 73.7                               | 57.0             | 48.3              | 58.3             | 84.3              |
| FAYETTE (IS-TF 291)          | 21.7                                     | 35.7             | 32.7              | 30.7             | 26.3              | 85.0                               | 50.0             | 47.7              | 52.3             | 82.7              |
| FESNOVA                      | 20.7                                     | 37.0             | 35.3              | 31.3             | 26.7              | 80.7                               | 47.3             | 51.7              | 52.0             | 82.3              |
| K12-05                       | 19.3                                     | 37.7             | 31.7              | 33.7             | 26.3              | 78.0                               | 49.3             | 41.0              | 66.3             | 86.3              |
| K12-13                       | 23.0                                     | 37.0             | 34.3              | 30.0             | 27.7              | 77.7                               | 50.7             | 39.3              | 65.3             | 75.7              |
| MAESTRO (T31)                | 19.3                                     | 35.0             | 35.0              | 30.7             | 25.0              | 88.3                               | 48.7             | 48.3              | 57.3             | 75.7              |
| PPG-TF-115                   | 23.3                                     | 36.3             | 32.0              | 30.7             | 25.0              | 72.0                               | 51.0             | 46.0              | 57.3             | 83.3              |
| PPG-TF-169                   | 22.0                                     | 39.3             | 35.0              | 34.0             | 26.7              | 83.3                               | 38.3             | 46.3              | 54.3             | 82.0              |
| PST-5DZP                     | 18.7                                     | 35.0             | 31.3              | 31.3             | 25.0              | 76.7                               | 55.0             | 45.3              | 57.0             | 81.3              |
| RAPTOR III (ZW 44)           | 23.0                                     | 35.7             | 36.3              | 30.0             | 26.0              | 90.3                               | 51.0             | 47.3              | 57.3             | 82.0              |
| RHAMBLER 2 SRP (LSD)         | 22.3                                     | 36.3             | 33.0              | 30.7             | 24.3              | 90.0                               | 53.7             | 45.0              | 54.7             | 85.7              |
| RHIZING MOON (IS-TF 305 SEL) | 19.7                                     | 35.7             | 32.3              | 30.7             | 25.7              | 89.3                               | 50.7             | 45.7              | 53.3             | 87.3              |
| ROWDY (SRX-TPC)              | 21.3                                     | 37.7             | 35.7              | 32.0             | 26.7              | 76.0                               | 51.7             | 44.3              | 52.3             | 81.7              |
| TEMPTATION (OR-21)           | 20.7                                     | 36.3             | 33.3              | 31.3             | 25.0              | 75.3                               | 50.3             | 51.3              | 54.3             | 89.0              |
| THOR (PPG-TF-157)            | 23.7                                     | 37.0             | 33.3              | 33.3             | 25.7              | 86.0                               | 48.7             | 55.3              | 49.3             | 78.0              |
| TITANIUM 2LS (PPG-TF-152)    | 22.7                                     | 37.0             | 32.3              | 29.3             | 27.0              | 77.3                               | 49.3             | 32.3              | 50.3             | 84.0              |
| TRAVERSE 2 SRP (W45)         | 19.0                                     | 36.7             | 35.7              | 31.3             | 24.7              | 80.0                               | 51.3             | 38.7              | 50.3             | 78.3              |
| TURFWAY (IS-TF 282 M2)       | 18.0                                     | 35.7             | 31.7              | 31.7             | 24.7              | 88.7                               | 50.7             | 41.0              | 57.3             | 90.7              |
| WICHITA (PPG-TF-151)         | 18.7                                     | 34.7             | 35.0              | 31.7             | 25.0              | 83.0                               | 55.0             | 47.0              | 54.0             | 81.0              |
| 4TH MILLENNIUM SRP (U43)     | 18.3                                     | 33.7             | 31.7              | 31.0             | 24.0              | 94.3                               | 61.7             | 50.3              | 58.3             | 101.0             |
| ATF 1704                     | 19.7                                     | 38.3             | 35.3              | 33.3             | 27.0              | 90.0                               | 47.3             | 42.7              | 48.7             | 81.3              |
| DIABLO (IS-TF 330)           | 23.7                                     | 39.0             | 32.7              | 31.7             | 26.3              | 75.3                               | 46.7             | 43.7              | 56.0             | 85.7              |
| DYNAMITE LS (PPG-TF-145)     | 19.7                                     | 38.7             | 33.7              | 31.7             | 24.0              | 286.7                              | 54.0             | 44.3              | 58.7             | 78.7              |
| FIREWALL (PSG-WE1)           | 21.0                                     | 39.3             | 34.3              | 30.0             | 26.7              | 72.0                               | 46.7             | 44.7              | 53.7             | 79.0              |
| FOXHOUND (IS-TF 284 M2)      | 19.0                                     | 36.3             | 33.7              | 29.0             | 24.0              | 88.0                               | 49.7             | 44.3              | 53.0             | 91.7              |
| GRANDE 3                     | 23.0                                     | 38.0             | 33.3              | 30.3             | 25.3              | 78.3                               | 44.7             | 44.0              | 50.3             | 81.7              |
| HOT ROD (BURL TF-136)        | 20.7                                     | 36.3             | 36.3              | 31.3             | 27.3              | 79.0                               | 48.3             | 38.3              | 51.7             | 85.3              |
| INSPIRATION (PST-R5NW)       | 22.7                                     | 38.7             | 35.3              | 33.0             | 25.7              | 75.3                               | 45.7             | 51.7              | 53.0             | 81.7              |
| IS-TF 269 SEL                | 21.3                                     | 37.0             | 33.0              | 32.7             | 25.7              | 98.0                               | 53.0             | 44.7              | 51.7             | 79.7              |
| IS-TF 272                    | 23.3                                     | 38.3             | 33.0              | 31.3             | 25.0              | 76.3                               | 47.0             | 39.3              | 62.7             | 89.7              |
| IS-TF 276 M2                 | 18.3                                     | 37.7             | 31.3              | 29.7             | 26.3              | 85.7                               | 50.7             | 44.7              | 58.7             | 90.7              |
| IS-TF 308 SEL                | 22.7                                     | 36.0             | 31.0              | 34.0             | 25.3              | 74.7                               | 40.3             | 43.3              | 49.0             | 83.3              |
| IS-TF-287                    | 21.7                                     | 39.0             | 35.7              | 32.3             | 27.0              | 78.7                               | 49.0             | 38.3              | 55.3             | 74.7              |

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME                     | TDR MOISTURE PROBE RATINGS AFTER TRAFFIC |                  |                   |                  |                   | CLEGG (GMAX) RATINGS AFTER TRAFFIC |                  |                   |                  |                   |
|--------------------------|--|------------------|-------------------|------------------|-------------------|------------------------------------|------------------|-------------------|------------------|-------------------|
|                          | PRETRAFFIC<br>SEP 18                     | 5 GAME<br>SEP 30 | 10 GAME<br>OCT 12 | 15 GAME<br>NOV 5 | 20 GAME<br>NOV 17 | PRETRAFFIC<br>SEP 18               | 5 GAME<br>SEP 30 | 10 GAME<br>OCT 12 | 15 GAME<br>NOV 5 | 20 GAME<br>NOV 17 |
| K12-MCD                  | 20.3                                     | 37.7             | 35.3              | 31.7             | 25.7              | 89.7                               | 48.7             | 42.3              | 48.0             | 82.3              |
| LEONARDO (LTP-FSD)       | 20.7                                     | 33.7             | 32.0              | 30.0             | 24.3              | 84.0                               | 57.0             | 43.3              | 57.3             | 99.0              |
| MEMPHIS (GO-DFR)         | 19.3                                     | 36.3             | 30.7              | 31.7             | 24.3              | 76.7                               | 46.0             | 49.3              | 50.0             | 75.0              |
| NIGHTCRAWLER (IS-TF 285) | 20.3                                     | 37.0             | 33.3              | 31.3             | 24.3              | 75.7                               | 50.7             | 36.3              | 48.3             | 86.3              |
| PARAMOUNT (PPG-TF-137)   | 22.7                                     | 40.0             | 34.3              | 33.7             | 23.7              | 81.0                               | 50.7             | 41.3              | 49.0             | 78.7              |
| 'SUPERSONIC (PPG-TF-170) | 20.7                                     | 38.7             | 34.3              | 33.0             | 26.3              | 77.0                               | 50.7             | 43.3              | 48.7             | 83.7              |
| PSG-8BP2                 | 21.7                                     | 36.3             | 31.7              | 31.7             | 25.7              | 83.0                               | 49.7             | 44.7              | 56.7             | 81.3              |
| PSG-PO1                  | 22.7                                     | 37.7             | 34.0              | 32.0             | 23.7              | 83.7                               | 55.7             | 45.0              | 60.0             | 84.0              |
| PST-5BPO                 | 22.7                                     | 40.3             | 35.0              | 33.3             | 26.7              | 78.0                               | 44.7             | 42.3              | 55.3             | 80.0              |
| PST-5MVD                 | 24.7                                     | 37.3             | 36.3              | 32.0             | 25.0              | 77.3                               | 44.3             | 37.7              | 57.3             | 84.0              |
| REFLECTION (U45)         | 21.7                                     | 39.0             | 36.0              | 31.7             | 27.0              | 75.0                               | 49.3             | 41.3              | 49.7             | 83.0              |
| SCREAMER LS (PPG-TF-148) | 23.3                                     | 36.7             | 34.3              | 31.3             | 24.3              | 76.0                               | 46.0             | 47.0              | 52.0             | 89.7              |
| TEMPLE (DZ1)             | 19.7                                     | 32.0             | 30.3              | 27.3             | 22.3              | 75.3                               | 57.3             | 48.3              | 57.3             | 96.0              |
| THUNDERSTRUCK (TD1)      | 21.7                                     | 35.7             | 33.0              | 30.0             | 23.7              | 77.7                               | 57.7             | 50.0              | 48.7             | 84.7              |
| UNITUS (IS-TF 289)       | 21.3                                     | 35.7             | 33.7              | 30.7             | 25.3              | 76.7                               | 48.7             | 47.3              | 59.3             | 85.3              |
| XTENDER (PPG-TF-139)     | 20.3                                     | 40.3             | 35.0              | 31.3             | 26.3              | 83.7                               | 54.3             | 44.3              | 47.0             | 81.7              |
| AMITY (CCR2)             | 21.3                                     | 37.3             | 31.3              | 31.7             | 22.7              | 82.0                               | 60.7             | 46.0              | 53.3             | 88.0              |
| AQUADUCT                 | 17.7                                     | 35.3             | 34.3              | 31.3             | 25.3              | 86.0                               | 51.0             | 50.3              | 55.7             | 86.3              |
| ATF 1754                 | 23.3                                     | 35.7             | 33.7              | 31.0             | 24.7              | 88.3                               | 49.3             | 46.7              | 47.0             | 96.0              |
| BAR FA 120878            | 19.3                                     | 36.3             | 32.3              | 31.7             | 24.3              | 82.7                               | 52.0             | 45.0              | 59.3             | 80.0              |
| BAR FA 121091            | 19.3                                     | 38.3             | 34.3              | 33.0             | 27.7              | 82.7                               | 44.3             | 38.3              | 52.3             | 81.7              |
| BAR FA 121095            | 22.7                                     | 38.7             | 33.3              | 32.0             | 26.0              | 78.0                               | 49.0             | 43.0              | 49.7             | 82.0              |
| BIZEM                    | 19.0                                     | 38.3             | 34.3              | 31.7             | 26.7              | 71.0                               | 46.3             | 44.7              | 58.3             | 83.3              |
| CATALYST                 | 19.3                                     | 36.0             | 32.3              | 30.0             | 23.0              | 85.0                               | 56.3             | 43.0              | 62.7             | 80.7              |
| COMP. RES. SST           | 19.7                                     | 34.7             | 32.3              | 29.3             | 23.0              | 83.3                               | 56.3             | 51.7              | 62.0             | 90.7              |
| EMBRACE (PST-5EV2)       | 25.7                                     | 36.3             | 35.7              | 34.0             | 25.3              | 80.7                               | 46.3             | 50.3              | 53.7             | 82.0              |
| F711                     | 20.3                                     | 36.7             | 34.0              | 30.3             | 23.0              | 87.3                               | 47.7             | 48.3              | 50.3             | 87.3              |
| FAITH                    | 22.0                                     | 37.7             | 34.3              | 30.3             | 24.7              | 83.3                               | 52.7             | 36.7              | 57.3             | 84.7              |
| FIREBIRD 2               | 21.0                                     | 35.0             | 33.0              | 28.7             | 26.0              | 87.0                               | 54.3             | 43.3              | 59.3             | 94.0              |
| FRONTLINE (EXP TF-09)    | 21.0                                     | 35.7             | 34.7              | 31.3             | 26.0              | 77.7                               | 54.7             | 49.3              | 60.0             | 90.3              |
| GTO (BURL TF-2)          | 22.0                                     | 38.7             | 33.7              | 31.0             | 26.3              | 81.0                               | 48.0             | 43.7              | 49.7             | 88.0              |
| HOVER (BURL TF-69)       | 23.0                                     | 40.0             | 33.7              | 32.7             | 26.7              | 74.3                               | 45.0             | 42.3              | 47.0             | 84.7              |
| IS-TF 311                | 21.3                                     | 36.7             | 32.0              | 31.3             | 25.3              | 78.7                               | 50.0             | 45.0              | 47.3             | 84.3              |
| MERIDIAN (PST-5GRB)      | 25.0                                     | 40.3             | 32.0              | 33.3             | 27.0              | 76.7                               | 51.3             | 48.0              | 56.3             | 88.7              |
| MET 1                    | 19.7                                     | 37.3             | 32.3              | 30.0             | 25.3              | 90.7                               | 55.0             | 44.7              | 56.3             | 81.7              |
| OLYMPUS (RAD-TF-88)      | 20.3                                     | 36.3             | 35.3              | 31.0             | 25.7              | 87.3                               | 59.3             | 47.0              | 56.0             | 83.0              |
| PPG-TF-135               | 22.0                                     | 37.0             | 31.3              | 32.7             | 25.3              | 76.7                               | 56.0             | 45.0              | 68.7             | 89.7              |
| VALKYRIE LS (PPG-TF-172) | 22.0                                     | 38.3             | 34.3              | 32.0             | 25.7              | 73.7                               | 47.7             | 36.7              | 51.3             | 85.3              |
| PSG-GSD                  | 18.3                                     | 35.0             | 32.7              | 31.7             | 25.7              | 90.0                               | 54.3             | 39.0              | 45.7             | 88.3              |
| RAD-TF-92                | 19.0                                     | 37.7             | 32.3              | 31.3             | 22.0              | 79.7                               | 53.3             | 47.3              | 57.0             | 88.0              |
| ROCKWELL (LTP-TWUU)      | 23.3                                     | 37.3             | 34.3              | 30.0             | 24.7              | 86.3                               | 50.3             | 41.3              | 48.7             | 88.7              |
| SALTILLO (PST-5SALT)     | 21.3                                     | 38.3             | 32.7              | 32.0             | 27.7              | 75.7                               | 46.3             | 42.0              | 57.0             | 82.7              |
| TERRANO                  | 19.7                                     | 36.7             | 34.0              | 32.7             | 22.7              | 93.0                               | 42.7             | 46.3              | 64.7             | 91.3              |
| 204 RES. BLK4            | 19.7                                     | 34.0             | 32.7              | 27.7             | 22.7              | 89.0                               | 50.7             | 53.3              | 67.0             | 109.3             |
| ANNIHILATOR              | 17.3                                     | 35.7             | 35.3              | 33.0             | 25.0              | 90.3                               | 50.7             | 48.7              | 49.0             | 88.3              |

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME                      | TDR MOISTURE PROBE RATINGS AFTER TRAFFIC |                  |                   |                  |                   | CLEGG (GMAX) RATINGS AFTER TRAFFIC |                  |                   |                  |                   |
|---------------------------|--|------------------|-------------------|------------------|-------------------|------------------------------------|------------------|-------------------|------------------|-------------------|
|                           | PRETRAFFIC<br>SEP 18                     | 5 GAME<br>SEP 30 | 10 GAME<br>OCT 12 | 15 GAME<br>NOV 5 | 20 GAME<br>NOV 17 | PRETRAFFIC<br>SEP 18               | 5 GAME<br>SEP 30 | 10 GAME<br>OCT 12 | 15 GAME<br>NOV 5 | 20 GAME<br>NOV 17 |
| BULLSEYE                  | 22.7                                     | 36.3             | 33.0              | 31.7             | 24.7              | 77.3                               | 57.7             | 47.3              | 59.7             | 79.7              |
| CAESAR (TY 10)            | 21.3                                     | 35.0             | 33.3              | 29.0             | 21.3              | 77.7                               | 58.0             | 51.7              | 60.3             | 84.0              |
| HOUNDOG8 (IS-TF 307 SEL)  | 20.7                                     | 36.0             | 35.7              | 32.7             | 26.3              | 81.7                               | 46.3             | 40.7              | 52.7             | 74.0              |
| JS 809                    | 22.3                                     | 38.0             | 33.0              | 29.7             | 26.0              | 82.0                               | 48.0             | 44.0              | 49.7             | 77.7              |
| KINGDOM (DB1)             | 21.0                                     | 38.7             | 31.0              | 34.3             | 24.3              | 83.7                               | 52.3             | 48.0              | 51.3             | 83.0              |
| MARAUDER                  | 18.7                                     | 35.7             | 30.3              | 28.0             | 23.3              | 95.0                               | 49.0             | 48.3              | 57.7             | 83.3              |
| PPG-TF-138                | 18.7                                     | 35.7             | 32.0              | 30.3             | 23.3              | 97.3                               | 58.3             | 45.3              | 58.0             | 93.3              |
| PSG-TT4                   | 22.0                                     | 37.7             | 35.7              | 31.3             | 26.0              | 81.3                               | 45.0             | 46.7              | 58.7             | 86.7              |
| PST-5BRK                  | 23.0                                     | 37.7             | 34.3              | 33.7             | 24.7              | 74.0                               | 49.7             | 49.7              | 49.3             | 92.3              |
| RAD-TF-83                 | 21.0                                     | 37.3             | 33.0              | 32.3             | 23.7              | 71.7                               | 48.7             | 47.7              | 56.0             | 84.3              |
| RAIN DANCE (PST-5SDT)     | 23.0                                     | 36.3             | 34.7              | 33.0             | 25.3              | 75.3                               | 48.7             | 47.0              | 58.7             | 76.3              |
| REBOUNDER (PICK-W43)      | 20.0                                     | 40.3             | 34.0              | 33.0             | 27.3              | 87.7                               | 53.0             | 42.0              | 50.7             | 79.7              |
| SWAGGER (PST-5R05)        | 20.3                                     | 35.0             | 32.7              | 30.0             | 26.0              | 74.0                               | 55.0             | 48.7              | 62.0             | 95.7              |
| TECHNIQUE (RZ2)           | 19.7                                     | 36.7             | 35.3              | 32.3             | 25.0              | 86.0                               | 59.0             | 37.0              | 51.7             | 79.7              |
| W41                       | 18.7                                     | 38.0             | 31.3              | 32.0             | 26.3              | 81.3                               | 46.0             | 46.7              | 57.3             | 82.7              |
| BLACK TAIL (PPG-TF-150)   | 23.7                                     | 38.0             | 37.0              | 33.0             | 25.7              | 83.7                               | 49.0             | 38.3              | 56.0             | 79.0              |
| BLOODHOUND (MET 6 SEL)    | 22.0                                     | 39.0             | 31.3              | 30.7             | 25.3              | 74.0                               | 50.0             | 42.7              | 57.3             | 84.3              |
| JS 818                    | 20.7                                     | 37.7             | 32.3              | 31.3             | 23.7              | 90.7                               | 55.0             | 46.3              | 61.3             | 95.3              |
| JS 819                    | 21.0                                     | 36.3             | 33.0              | 27.7             | 25.7              | 89.3                               | 63.0             | 48.0              | 56.3             | 85.7              |
| JS 825                    | 18.7                                     | 36.3             | 33.3              | 30.3             | 24.7              | 93.7                               | 50.3             | 47.7              | 59.7             | 79.3              |
| JS 916                    | 21.0                                     | 36.7             | 33.3              | 29.0             | 25.7              | 84.3                               | 49.3             | 49.0              | 57.3             | 94.3              |
| KY-31                     | 17.0                                     | 33.3             | 30.3              | 28.3             | 23.3              | 96.7                               | 62.7             | 52.3              | 49.7             | 92.3              |
| MET-3                     | 23.7                                     | 40.0             | 34.3              | 32.0             | 25.3              | 84.3                               | 54.3             | 47.0              | 59.0             | 88.7              |
| PST-5EX2                  | 20.0                                     | 34.0             | 30.7              | 29.0             | 24.7              | 82.7                               | 51.3             | 52.3              | 62.3             | 104.3             |
| REGENERATE                | 21.7                                     | 35.0             | 31.0              | 29.3             | 24.7              | 94.7                               | 54.7             | 33.0              | 54.7             | 79.3              |
| MICHELANGELO (LTP-F5DPDR) | 23.3                                     | 35.7             | 34.7              | 30.0             | 25.0              | 81.0                               | 52.0             | 45.7              | 59.0             | 81.3              |
| LSD VALUE                 | 21.0                                     | 13.8             | 7.6               | 7.2              | 8.7               | 166.1                              | 24.0             | 22.7              | 33.7             | 29.0              |
| C.V. (%)                  | 16.7                                     | 7.9              | 7.2               | 7.3              | 8.5               | 42.0                               | 13.8             | 15.6              | 15.1             | 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 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

| NAME                        | TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/ |     |     |     |     |     |     |     |      |
|-----------------------------|--|-----|-----|-----|-----|-----|-----|-----|------|
|                             | APR                                      | MAY | JUN | JUL | SEP | OCT | NOV | DEC | MEAN |
| MET-3                       | 7.3                                      | 6.3 | 7.7 | 7.7 | 7.7 | 6.3 | 6.3 | 7.3 | 7.1  |
| 4TH MILLENNIUM SRP (U43)    | 7.3                                      | 6.0 | 7.3 | 7.3 | 7.3 | 6.7 | 6.7 | 7.3 | 7.0  |
| CATALYST                    | 7.3                                      | 5.7 | 7.3 | 7.3 | 7.3 | 6.7 | 6.7 | 7.3 | 7.0  |
| RAPTOR III (ZW 44)          | 6.7                                      | 6.0 | 8.0 | 7.3 | 7.7 | 5.7 | 6.0 | 6.7 | 6.8  |
| TRAVERSE 2 SRP (W45)        | 6.7                                      | 6.0 | 7.7 | 7.3 | 7.0 | 6.0 | 6.0 | 6.7 | 6.7  |
| DYNAMITE LS (PPG-TF-145)    | 7.0                                      | 5.3 | 7.0 | 7.0 | 7.0 | 6.3 | 6.3 | 7.0 | 6.6  |
| MET 1                       | 6.7                                      | 5.7 | 7.7 | 7.0 | 7.0 | 6.0 | 6.0 | 6.7 | 6.6  |
| REFLECTION (U45)            | 6.7                                      | 5.3 | 7.7 | 7.3 | 7.0 | 6.0 | 6.0 | 6.7 | 6.6  |
| FAYETTE (IS-TF 291)         | 6.3                                      | 6.3 | 7.0 | 7.0 | 6.7 | 6.0 | 6.0 | 6.3 | 6.5  |
| FIREWALL (PSG-WE1)          | 6.7                                      | 5.7 | 7.0 | 6.7 | 7.0 | 6.3 | 6.3 | 6.7 | 6.5  |
| BLOODHOUND (MET 6 SEL)      | 6.3                                      | 6.3 | 7.3 | 7.0 | 7.0 | 5.7 | 5.7 | 6.3 | 6.5  |
| PSG-P01                     | 6.7                                      | 5.0 | 7.3 | 6.3 | 7.0 | 6.3 | 6.3 | 6.7 | 6.5  |
| XTENDER (PPG-TF-139)        | 6.7                                      | 6.0 | 7.0 | 7.0 | 7.0 | 6.0 | 6.0 | 6.7 | 6.5  |
| ROWDY (SRX-TPC)             | 6.7                                      | 5.7 | 6.7 | 6.0 | 6.7 | 6.3 | 6.3 | 6.7 | 6.4  |
| TITANIUM 2LS (PPG-TF-152)   | 6.3                                      | 6.0 | 7.3 | 7.3 | 7.3 | 5.3 | 5.3 | 6.3 | 6.4  |
| W41                         | 6.0                                      | 6.7 | 7.7 | 7.3 | 7.0 | 5.0 | 5.3 | 6.0 | 6.4  |
| ATF 1704                    | 6.0                                      | 5.7 | 7.7 | 7.7 | 7.0 | 5.0 | 5.0 | 6.0 | 6.3  |
| GTO (BURL TF-2)             | 6.3                                      | 5.7 | 7.0 | 7.0 | 6.7 | 5.7 | 6.0 | 6.3 | 6.3  |
| HOVER (BURL TF-69)          | 6.3                                      | 5.7 | 7.7 | 6.7 | 6.7 | 5.3 | 5.7 | 6.3 | 6.3  |
| IS-TF 308 SEL               | 6.0                                      | 6.3 | 7.3 | 7.3 | 7.3 | 5.0 | 5.0 | 6.0 | 6.3  |
| 'SUPERSONIC (PPG-TF-170)    | 6.0                                      | 6.7 | 7.7 | 7.3 | 6.7 | 5.0 | 5.3 | 6.0 | 6.3  |
| ROCKWELL (LTP-TWUU)         | 5.7                                      | 6.0 | 7.3 | 8.0 | 7.0 | 5.0 | 5.3 | 5.7 | 6.3  |
| BIZEM                       | 5.7                                      | 6.7 | 7.7 | 8.0 | 6.7 | 4.7 | 4.7 | 5.7 | 6.2  |
| FESNOVA                     | 6.0                                      | 6.0 | 7.3 | 6.7 | 6.7 | 5.3 | 5.7 | 6.0 | 6.2  |
| K12-MCD                     | 6.0                                      | 6.0 | 6.7 | 6.7 | 7.0 | 5.3 | 5.7 | 6.0 | 6.2  |
| MICHELANGELO (LTP-F5DPDR)   | 6.0                                      | 5.7 | 7.0 | 7.0 | 6.3 | 5.7 | 5.7 | 6.0 | 6.2  |
| TURFWAY (IS-TF 282 M2)      | 6.3                                      | 5.3 | 7.0 | 6.7 | 6.7 | 5.7 | 5.7 | 6.3 | 6.2  |
| ARES (PPG-TF-142)           | 6.0                                      | 5.3 | 7.0 | 7.0 | 6.7 | 5.3 | 5.3 | 6.0 | 6.1  |
| BLACK TAIL (PPG-TF-150)     | 6.0                                      | 6.3 | 7.0 | 6.7 | 6.7 | 5.0 | 5.0 | 6.0 | 6.1  |
| HOUNDOG8 (IS-TF 307 SEL)    | 6.0                                      | 6.0 | 7.3 | 6.3 | 7.3 | 5.0 | 5.0 | 6.0 | 6.1  |
| PPG-TF-169                  | 6.0                                      | 6.3 | 7.0 | 6.7 | 7.0 | 5.0 | 5.0 | 6.0 | 6.1  |
| VALKYRIE LS (PPG-TF-172)    | 5.7                                      | 6.0 | 7.7 | 7.0 | 7.0 | 4.7 | 5.0 | 5.7 | 6.1  |
| REGENERATE                  | 6.0                                      | 5.7 | 7.0 | 7.0 | 6.7 | 5.0 | 5.3 | 6.0 | 6.1  |
| SALTILLO (PST-5SALT)        | 5.7                                      | 5.7 | 7.3 | 7.0 | 7.0 | 5.0 | 5.3 | 5.7 | 6.1  |
| TECHNIQUE (RZ2)             | 6.0                                      | 6.3 | 7.0 | 7.0 | 6.7 | 5.0 | 5.0 | 6.0 | 6.1  |
| TERRANO                     | 6.0                                      | 5.7 | 7.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.0 | 6.1  |
| THOR (PPG-TF-157)           | 5.7                                      | 6.0 | 7.3 | 7.3 | 6.7 | 5.0 | 5.0 | 5.7 | 6.1  |
| AVENGER II (PPG-TF-156)     | 5.7                                      | 6.3 | 7.3 | 7.3 | 6.7 | 4.7 | 4.7 | 5.7 | 6.0  |
| AMITY (CCR2)                | 5.3                                      | 6.0 | 7.7 | 7.0 | 7.3 | 4.3 | 4.7 | 5.3 | 6.0  |
| FIREBIRD 2                  | 6.0                                      | 5.7 | 6.7 | 6.3 | 6.3 | 5.7 | 5.7 | 6.0 | 6.0  |
| FOXHOUND (IS-TF 284 M2)     | 5.7                                      | 5.7 | 7.0 | 7.0 | 7.0 | 5.0 | 5.3 | 5.7 | 6.0  |
| HEMI                        | 6.7                                      | 4.7 | 6.3 | 6.0 | 6.7 | 5.7 | 5.7 | 6.7 | 6.0  |
| CROSSFIRE 4 (IS-TF 310 SEL) | 5.3                                      | 6.3 | 7.7 | 7.3 | 7.0 | 4.3 | 4.3 | 5.3 | 6.0  |
| JS 916                      | 6.0                                      | 5.7 | 7.0 | 6.7 | 6.7 | 5.0 | 5.0 | 6.0 | 6.0  |
| MAESTRO (T31)               | 6.0                                      | 5.3 | 6.3 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0  |

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/ |     |     |     |     |     |     |     |     |      |
|--|-----|-----|-----|-----|-----|-----|-----|-----|------|
| NAME                                     | APR | MAY | JUN | JUL | SEP | OCT | NOV | DEC | MEAN |
| REBOUNDER (PICK-W43)                     | 5.7 | 6.0 | 7.3 | 7.3 | 7.0 | 4.7 | 4.7 | 5.7 | 6.0  |
| PPG-TF-115                               | 6.3 | 5.3 | 6.7 | 6.3 | 6.3 | 5.3 | 5.3 | 6.3 | 6.0  |
| PARAMOUNT (PPG-TF-137)                   | 6.0 | 5.7 | 6.7 | 6.7 | 6.7 | 5.0 | 5.3 | 6.0 | 6.0  |
| PST-5BRK                                 | 5.3 | 6.0 | 7.7 | 7.7 | 7.3 | 4.3 | 4.7 | 5.3 | 6.0  |
| RHAMBLER 2 SRP (LSD)                     | 6.0 | 5.3 | 6.7 | 6.3 | 6.3 | 5.7 | 5.7 | 6.0 | 6.0  |
| SCREAMER LS (PPG-TF-148)                 | 6.3 | 5.7 | 6.7 | 6.0 | 6.3 | 5.7 | 5.3 | 6.3 | 6.0  |
| AQUADUCT                                 | 5.7 | 5.7 | 6.7 | 6.7 | 6.7 | 5.0 | 5.3 | 5.7 | 5.9  |
| ATF 1754                                 | 5.3 | 6.7 | 7.0 | 7.3 | 7.0 | 4.3 | 4.3 | 5.3 | 5.9  |
| B23                                      | 6.0 | 5.7 | 6.3 | 6.3 | 6.3 | 5.3 | 5.3 | 6.0 | 5.9  |
| F711                                     | 5.3 | 6.3 | 7.3 | 7.3 | 7.0 | 4.3 | 4.3 | 5.3 | 5.9  |
| RHIZING MOON (IS-TF 305 SEL)             | 6.0 | 5.7 | 6.7 | 6.0 | 6.7 | 5.0 | 5.0 | 6.0 | 5.9  |
| LEONARDO (LTP-FSD)                       | 5.3 | 6.0 | 7.3 | 7.3 | 6.7 | 4.7 | 4.3 | 5.3 | 5.9  |
| PPG-TF-135                               | 5.7 | 5.7 | 7.0 | 7.0 | 6.7 | 4.7 | 4.7 | 5.7 | 5.9  |
| PST-5BPO                                 | 6.0 | 6.3 | 6.7 | 6.3 | 6.0 | 5.0 | 5.0 | 6.0 | 5.9  |
| ATF 1736                                 | 5.3 | 6.7 | 7.0 | 7.0 | 6.3 | 4.7 | 4.3 | 5.3 | 5.8  |
| EMBRACE (PST-5EV2)                       | 5.3 | 6.0 | 7.0 | 6.7 | 6.3 | 4.7 | 4.7 | 5.3 | 5.8  |
| FAITH                                    | 6.0 | 5.0 | 6.7 | 5.7 | 6.7 | 5.0 | 5.3 | 6.0 | 5.8  |
| IS-TF 311                                | 5.7 | 5.7 | 7.0 | 6.7 | 6.3 | 4.7 | 4.7 | 5.7 | 5.8  |
| IS-TF-287                                | 6.0 | 5.7 | 6.3 | 5.7 | 6.0 | 5.3 | 5.3 | 6.0 | 5.8  |
| MERIDIAN (PST-5GRB)                      | 6.0 | 5.3 | 6.0 | 5.7 | 6.3 | 5.3 | 5.3 | 6.0 | 5.8  |
| PPG-TF-138                               | 6.0 | 5.7 | 6.3 | 6.3 | 6.3 | 5.0 | 5.0 | 6.0 | 5.8  |
| PST-5DZP                                 | 6.0 | 4.7 | 6.3 | 5.7 | 6.0 | 5.7 | 5.7 | 6.0 | 5.8  |
| RAIN DANCE (PST-5SDT)                    | 5.7 | 5.0 | 6.7 | 6.3 | 6.7 | 5.0 | 5.3 | 5.7 | 5.8  |
| TEMPLE (DZ1)                             | 5.7 | 5.3 | 7.0 | 6.3 | 6.3 | 5.0 | 4.7 | 5.7 | 5.8  |
| THUNDERSTRUCK (TD1)                      | 6.0 | 4.7 | 6.3 | 6.0 | 6.3 | 5.3 | 5.3 | 6.0 | 5.8  |
| BAR FA 121089                            | 5.7 | 5.0 | 6.3 | 6.7 | 6.0 | 5.0 | 5.0 | 5.7 | 5.7  |
| GRANDE 3                                 | 5.3 | 5.0 | 7.3 | 7.0 | 6.7 | 4.3 | 4.3 | 5.3 | 5.7  |
| HOT ROD (BURL TF-136)                    | 5.3 | 5.7 | 6.7 | 6.7 | 6.3 | 4.7 | 4.7 | 5.3 | 5.7  |
| UNITUS (IS-TF 289)                       | 5.7 | 5.0 | 6.3 | 6.0 | 5.7 | 5.7 | 5.3 | 5.7 | 5.7  |
| PST-5MVD                                 | 5.3 | 6.3 | 6.7 | 6.7 | 6.0 | 4.7 | 4.7 | 5.3 | 5.7  |
| SWAGGER (PST-5R05)                       | 5.7 | 6.3 | 6.0 | 5.3 | 6.0 | 5.0 | 5.3 | 5.7 | 5.7  |
| ATF 1612                                 | 5.7 | 5.0 | 6.7 | 6.0 | 6.3 | 4.7 | 5.0 | 5.7 | 5.6  |
| BULLSEYE                                 | 5.3 | 5.7 | 6.3 | 6.0 | 6.0 | 5.0 | 5.3 | 5.3 | 5.6  |
| CAESAR (TY 10)                           | 5.3 | 6.0 | 6.3 | 6.3 | 5.7 | 5.0 | 5.0 | 5.3 | 5.6  |
| FALCON IV                                | 5.7 | 5.0 | 6.7 | 6.0 | 6.0 | 5.0 | 5.0 | 5.7 | 5.6  |
| FALCON V                                 | 5.3 | 5.7 | 6.3 | 5.7 | 6.7 | 4.7 | 5.0 | 5.3 | 5.6  |
| IS-TF 269 SEL                            | 5.7 | 4.3 | 6.3 | 6.3 | 6.0 | 5.3 | 5.3 | 5.7 | 5.6  |
| IS-TF 276 M2                             | 5.7 | 5.3 | 6.3 | 6.0 | 6.3 | 4.7 | 4.7 | 5.7 | 5.6  |
| NIGHTCRAWLER (IS-TF 285)                 | 5.3 | 5.3 | 6.7 | 6.3 | 6.3 | 4.7 | 5.0 | 5.3 | 5.6  |
| WICHITA (PPG-TF-151)                     | 5.3 | 6.0 | 6.7 | 6.3 | 6.3 | 4.3 | 4.3 | 5.3 | 5.6  |
| PSG-TT4                                  | 5.7 | 6.0 | 6.3 | 6.0 | 6.0 | 4.7 | 4.7 | 5.7 | 5.6  |
| DIABLO (IS-TF 330)                       | 5.7 | 5.0 | 6.0 | 6.0 | 6.0 | 4.7 | 4.7 | 5.7 | 5.5  |
| FRONTLINE (EXP TF-09)                    | 5.7 | 4.7 | 5.7 | 5.3 | 6.0 | 5.3 | 5.3 | 5.7 | 5.5  |
| JS 818                                   | 5.7 | 5.0 | 5.3 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.5  |
| JS 819                                   | 6.0 | 5.0 | 5.7 | 5.3 | 6.0 | 5.0 | 5.0 | 6.0 | 5.5  |

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

| NAME                         | TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/ |      |      |      |     |      |      |      |      |
|------------------------------|--|------|------|------|-----|------|------|------|------|
|                              | APR                                      | MAY  | JUN  | JUL  | SEP | OCT  | NOV  | DEC  | MEAN |
| KINGDOM (DB1)                | 5.3                                      | 4.7  | 6.3  | 6.3  | 6.3 | 4.7  | 4.7  | 5.3  | 5.5  |
| MARAUDER                     | 5.7                                      | 5.0  | 5.7  | 5.7  | 5.7 | 5.3  | 5.3  | 5.7  | 5.5  |
| PSG-8BP2                     | 5.7                                      | 4.3  | 6.3  | 6.0  | 6.0 | 5.0  | 5.0  | 5.7  | 5.5  |
| PST-5EX2                     | 5.3                                      | 5.7  | 6.0  | 6.0  | 6.3 | 4.7  | 5.0  | 5.3  | 5.5  |
| RAD-TF-83                    | 5.7                                      | 4.3  | 6.3  | 6.0  | 6.0 | 5.0  | 5.0  | 5.7  | 5.5  |
| OLYMPUS (RAD-TF-88)          | 5.7                                      | 5.0  | 6.0  | 5.7  | 5.7 | 5.3  | 5.3  | 5.7  | 5.5  |
| RAD-TF-89                    | 5.7                                      | 5.7  | 6.3  | 5.7  | 6.0 | 4.7  | 4.7  | 5.7  | 5.5  |
| TEMPTATION (OR-21)           | 5.7                                      | 5.3  | 5.7  | 5.0  | 5.7 | 5.3  | 5.3  | 5.7  | 5.5  |
| FIRECRACKER SLS (PPG-TF-105) | 5.0                                      | 5.7  | 7.0  | 6.7  | 6.0 | 4.0  | 4.0  | 5.0  | 5.4  |
| INSPIRATION (PST-R5NW)       | 5.3                                      | 5.0  | 6.3  | 5.7  | 6.0 | 4.7  | 4.7  | 5.3  | 5.4  |
| PSG-GSD                      | 5.0                                      | 5.3  | 6.7  | 6.3  | 5.7 | 4.3  | 4.7  | 5.0  | 5.4  |
| BAR FA 120878                | 5.0                                      | 5.3  | 6.3  | 6.3  | 5.3 | 4.7  | 4.7  | 5.0  | 5.3  |
| BAR FA 121091                | 5.3                                      | 4.7  | 6.0  | 5.7  | 5.3 | 5.0  | 4.7  | 5.3  | 5.3  |
| RAD-TF-92                    | 5.0                                      | 4.7  | 6.7  | 6.3  | 6.0 | 4.0  | 4.3  | 5.0  | 5.3  |
| WARHAWK                      | 5.3                                      | 4.3  | 6.3  | 5.3  | 6.0 | 4.7  | 4.7  | 5.3  | 5.3  |
| BAR FA 121095                | 5.3                                      | 4.3  | 5.3  | 5.3  | 5.3 | 5.3  | 5.3  | 5.3  | 5.2  |
| MEMPHIS (GO-DFR)             | 5.3                                      | 4.3  | 5.7  | 5.3  | 5.3 | 5.0  | 5.0  | 5.3  | 5.2  |
| 204 RES. BLK4                | 5.7                                      | 4.3  | 5.0  | 4.7  | 5.7 | 4.7  | 4.7  | 5.7  | 5.0  |
| ANNIHILATOR                  | 5.3                                      | 4.0  | 5.3  | 4.7  | 5.7 | 5.0  | 5.0  | 5.3  | 5.0  |
| COMP. RES. SST               | 5.3                                      | 4.0  | 5.0  | 4.3  | 5.0 | 5.3  | 5.3  | 5.3  | 5.0  |
| IS-TF 272                    | 5.0                                      | 4.3  | 5.7  | 5.3  | 5.3 | 4.7  | 4.7  | 5.0  | 5.0  |
| JS 809                       | 5.0                                      | 5.0  | 5.7  | 5.3  | 5.0 | 4.7  | 4.7  | 5.0  | 5.0  |
| JS 825                       | 5.0                                      | 4.7  | 6.0  | 5.3  | 5.3 | 4.3  | 4.3  | 5.0  | 5.0  |
| K12-05                       | 4.7                                      | 4.7  | 6.7  | 6.0  | 6.0 | 3.7  | 3.7  | 4.7  | 5.0  |
| KY-31                        | 4.7                                      | 5.0  | 5.7  | 6.0  | 5.7 | 3.7  | 3.7  | 4.7  | 4.9  |
| K12-13                       | 4.7                                      | 4.0  | 4.7  | 4.3  | 4.3 | 4.3  | 4.0  | 4.7  | 4.4  |
| LSD VALUE                    | 1.4                                      | 1.5  | 1.4  | 1.9  | .   | 1.8  | 1.5  | 1.4  | 1.0  |
| C.V. (%)                     | 11.6                                     | 14.2 | 11.5 | 14.5 | .   | 15.4 | 14.5 | 11.6 | 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 14. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

| NAME                        | INITIAL COVER<br>IN MAY |         | BEFORE TRAFFIC<br>AUGUST 31 |         | MIDDLE SEASON TRAFFIC<br>IN OCTOBER |        | END TRAFFIC<br>IN EARLY NOVEMBER |        | 2-WEEKS AFTER TRAFFIC<br>IN MIDDLE NOVEMBER |        |
|-----------------------------|-------------------------|---------|-----------------------------|---------|-------------------------------------|--------|----------------------------------|--------|---|--------|
|                             | % GREEN                 | % STRAW | % GREEN                     | % STRAW | % GREEN                             | % BARE | % GREEN                          | % BARE | % GREEN                                     | % BARE |
| MET-3                       | 85.0                    | 15.0    | 99.0                        | 0.0     | 80.0                                | 20.0   | 61.7                             | 26.7   | 56.7  | 40.0   |
| 4TH MILLENNIUM SRP (U43)    | 85.0                    | 15.0    | 99.0                        | 0.0     | 81.7                                | 18.3   | 63.3                             | 31.7   | 53.3  | 36.7   |
| CATALYST                    | 80.0                    | 20.0    | 99.0                        | 0.0     | 69.7                                | 30.0   | 50.0                             | 36.7   | 36.7  | 33.3   |
| RAPTOR III (ZW 44)          | 86.7                    | 13.3    | 99.0                        | 0.0     | 93.0                                | 6.7    | 76.7                             | 6.7    | 70.0  | 13.3   |
| TRAVERSE 2 SRP (W45)        | 76.7                    | 23.3    | 94.3                        | 5.0     | 65.0                                | 35.0   | 55.0                             | 35.0   | 45.0  | 33.3   |
| DYNAMITE LS (PPG-TF-145)    | 85.0                    | 15.0    | 99.0                        | 0.0     | 81.7                                | 18.3   | 61.7                             | 25.0   | 51.7  | 33.3   |
| MET 1                       | 86.7                    | 13.3    | 99.0                        | 0.0     | 78.3                                | 21.7   | 55.0                             | 28.3   | 43.3  | 26.7   |
| REFLECTION (U45)            | 73.3                    | 26.7    | 91.0                        | 8.3     | 61.7                                | 38.3   | 46.7                             | 38.3   | 38.3  | 31.7   |
| FAYETTE (IS-TF 291)         | 85.0                    | 15.0    | 99.0                        | 0.0     | 75.0                                | 25.0   | 60.0                             | 31.7   | 48.3  | 38.3   |
| FIREWALL (PSG-WE1)          | 80.0                    | 20.0    | 99.0                        | 0.0     | 71.7                                | 28.3   | 55.0                             | 35.0   | 40.0  | 23.3   |
| BLOODHOUND (MET 6 SEL)      | 81.7                    | 18.3    | 99.0                        | 0.0     | 76.7                                | 23.3   | 60.0                             | 36.7   | 51.7  | 26.7   |
| PSG-PO1                     | 81.7                    | 18.3    | 99.0                        | 0.0     | 75.0                                | 25.0   | 53.3                             | 38.3   | 45.0  | 31.7   |
| XTENDER (PPG-TF-139)        | 80.0                    | 20.0    | 94.3                        | 5.0     | 68.3                                | 31.7   | 48.3                             | 38.3   | 40.0  | 33.3   |
| ROWDY (SRX-TPC)             | 78.3                    | 21.7    | 99.0                        | 0.0     | 76.7                                | 23.3   | 55.0                             | 30.0   | 50.0  | 33.3   |
| TITANIUM 2LS (PPG-TF-152)   | 81.7                    | 18.3    | 99.0                        | 0.0     | 58.3                                | 41.7   | 45.0                             | 48.3   | 33.3  | 41.7   |
| W41                         | 85.0                    | 15.0    | 99.0                        | 0.0     | 68.3                                | 31.7   | 46.7                             | 45.0   | 35.0  | 35.0   |
| ATF 1704                    | 83.3                    | 16.7    | 99.0                        | 0.0     | 71.7                                | 28.3   | 53.3                             | 35.0   | 43.3  | 23.3   |
| GTO (BURL TF-2)             | 78.3                    | 21.7    | 87.7                        | 11.7    | 66.7                                | 33.3   | 55.0                             | 33.3   | 48.3  | 35.0   |
| HOVER (BURL TF-69)          | 83.3                    | 16.7    | 99.0                        | 0.0     | 78.3                                | 21.7   | 56.7                             | 28.3   | 43.3  | 23.3   |
| IS-TF 308 SEL               | 86.7                    | 13.3    | 97.7                        | 1.7     | 80.0                                | 20.0   | 63.3                             | 26.7   | 55.0  | 31.7   |
| 'SUPERSONIC (PPG-TF-170)    | 78.3                    | 21.7    | 99.0                        | 0.0     | 66.7                                | 33.3   | 53.3                             | 40.0   | 41.7  | 30.0   |
| ROCKWELL (LTP-TWUU)         | 90.0                    | 10.0    | 99.0                        | 0.0     | 80.0                                | 20.0   | 61.7                             | 33.3   | 53.3  | 30.0   |
| BIZEM                       | 81.7                    | 18.3    | 99.0                        | 0.0     | 83.3                                | 16.7   | 63.3                             | 23.3   | 56.7  | 21.7   |
| FESNOVA                     | 78.3                    | 21.7    | 97.7                        | 1.7     | 63.3                                | 36.7   | 40.0                             | 50.0   | 26.7  | 46.7   |
| K12-MCD                     | 85.0                    | 15.0    | 99.0                        | 0.0     | 80.0                                | 20.0   | 53.3                             | 26.7   | 41.7  | 21.7   |
| MICHELANGELO (LTP-F5DPDR)   | 83.3                    | 16.7    | 97.7                        | 1.7     | 75.0                                | 25.0   | 53.3                             | 31.7   | 41.7  | 26.7   |
| TURFWAY (IS-TF 282 M2)      | 76.7                    | 23.3    | 94.3                        | 5.0     | 68.3                                | 31.7   | 51.7                             | 45.0   | 45.0  | 43.3   |
| ARES (PPG-TF-142)           | 78.3                    | 21.7    | 96.0                        | 3.3     | 70.0                                | 30.0   | 56.7                             | 30.0   | 50.0  | 30.0   |
| BLACK TAIL (PPG-TF-150)     | 80.0                    | 20.0    | 96.0                        | 3.3     | 76.7                                | 23.3   | 55.0                             | 30.0   | 48.3  | 26.7   |
| HOUNDG8 (IS-TF 307 SEL)     | 70.0                    | 30.0    | 96.0                        | 3.3     | 51.7                                | 48.3   | 31.7                             | 61.7   | 21.7  | 45.0   |
| PPG-TF-169                  | 81.7                    | 18.3    | 99.0                        | 0.0     | 81.7                                | 18.3   | 61.7                             | 25.0   | 56.7  | 21.7   |
| VALKYRIE LS (PPG-TF-172)    | 80.0                    | 20.0    | 99.0                        | 0.0     | 71.7                                | 28.3   | 58.3                             | 28.3   | 46.7  | 33.3   |
| REGENERATE                  | 78.3                    | 21.7    | 94.3                        | 5.0     | 63.3                                | 36.7   | 43.3                             | 50.0   | 26.7  | 45.0   |
| SALTILLO (PST-5SALT)        | 78.3                    | 21.7    | 99.0                        | 0.0     | 70.0                                | 30.0   | 58.3                             | 30.0   | 48.3  | 23.3   |
| TECHNIQUE (RZ2)             | 85.0                    | 15.0    | 99.0                        | 0.0     | 78.0                                | 21.7   | 56.7                             | 35.0   | 50.0  | 40.0   |
| TERRANO                     | 73.3                    | 26.7    | 91.3                        | 8.3     | 65.0                                | 35.0   | 51.7                             | 41.7   | 41.7  | 43.3   |
| THOR (PPG-TF-157)           | 68.3                    | 31.7    | 94.3                        | 5.0     | 71.7                                | 28.3   | 56.7                             | 35.0   | 45.0  | 41.7   |
| AVENGER II (PPG-TF-156)     | 80.0                    | 20.0    | 99.0                        | 0.0     | 81.7                                | 18.3   | 61.7                             | 18.3   | 51.7  | 30.0   |
| AMITY (CCR2)                | 80.0                    | 20.0    | 99.0                        | 0.0     | 75.0                                | 25.0   | 56.7                             | 31.7   | 46.7  | 25.0   |
| FIREBIRD 2                  | 81.7                    | 18.3    | 99.0                        | 0.0     | 68.3                                | 31.7   | 55.0                             | 38.3   | 46.7  | 38.3   |
| FOXHOUND (IS-TF 284 M2)     | 73.3                    | 26.7    | 92.7                        | 6.7     | 70.0                                | 30.0   | 55.0                             | 30.0   | 43.3  | 30.0   |
| HEMI                        | 80.0                    | 20.0    | 97.7                        | 1.7     | 60.0                                | 40.0   | 38.3                             | 53.3   | 30.0  | 50.0   |
| CROSSFIRE 4 (IS-TF 310 SEL) | 68.3                    | 31.7    | 89.3                        | 10.0    | 53.3                                | 46.7   | 38.3                             | 46.7   | 23.3  | 31.7   |
| JS 916                      | 75.0                    | 25.0    | 99.0                        | 0.0     | 73.3                                | 26.7   | 58.3                             | 26.7   | 50.0  | 16.7   |
| MAESTRO (T31)               | 76.7                    | 23.3    | 99.0                        | 0.0     | 68.3                                | 31.7   | 50.0                             | 38.3   | 45.0  | 35.0   |

TABLE 14. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

| NAME                         | INITIAL COVER<br>IN MAY |         | BEFORE TRAFFIC<br>AUGUST 31 |         | MIDDLE SEASON TRAFFIC<br>IN OCTOBER |        | END TRAFFIC<br>IN EARLY NOVEMBER |        | 2-WEEKS AFTER TRAFFIC<br>IN MIDDLE NOVEMBER |        |
|------------------------------|-------------------------|---------|-----------------------------|---------|-------------------------------------|--------|----------------------------------|--------|---|--------|
|                              | % GREEN                 | % STRAW | % GREEN                     | % STRAW | % GREEN                             | % BARE | % GREEN                          | % BARE | % GREEN                                     | % BARE |
| REBOUNDER (PICK-W43)         | 80.0                    | 20.0    | 99.0                        | 0.0     | 71.7                                | 28.3   | 51.7                             | 41.7   | 45.0  | 36.7   |
| PPG-TF-115                   | 81.7                    | 18.3    | 99.0                        | 0.0     | 78.3                                | 21.7   | 55.0                             | 28.3   | 45.0  | 26.7   |
| PARAMOUNT (PPG-TF-137)       | 85.0                    | 15.0    | 99.0                        | 0.0     | 75.0                                | 25.0   | 55.0                             | 38.3   | 43.3  | 30.0   |
| PST-5BRK                     | 78.3                    | 21.7    | 96.0                        | 3.3     | 70.0                                | 30.0   | 56.7                             | 30.0   | 45.0  | 26.7   |
| RHAMBLER 2 SRP (LSD)         | 78.3                    | 21.7    | 99.0                        | 0.0     | 85.0                                | 15.0   | 65.0                             | 21.7   | 60.0  | 30.0   |
| SCREAMER LS (PPG-TF-148)     | 83.3                    | 16.7    | 99.0                        | 0.0     | 71.7                                | 28.3   | 51.7                             | 41.7   | 45.0  | 36.7   |
| AQUADUCT                     | 88.3                    | 11.7    | 99.0                        | 0.0     | 78.3                                | 21.7   | 61.7                             | 21.7   | 53.3  | 26.7   |
| ATF 1754                     | 86.7                    | 13.3    | 99.0                        | 0.0     | 78.0                                | 21.7   | 55.0                             | 35.0   | 45.0  | 33.3   |
| B23                          | 85.0                    | 15.0    | 99.0                        | 0.0     | 89.7                                | 10.0   | 71.7                             | 10.0   | 66.7  | 20.0   |
| F711                         | 80.0                    | 20.0    | 99.0                        | 0.0     | 65.0                                | 35.0   | 50.0                             | 41.7   | 36.7  | 36.7   |
| RHIZING MOON (IS-TF 305 SEL) | 81.7                    | 18.3    | 99.0                        | 0.0     | 78.3                                | 21.7   | 60.0                             | 21.7   | 53.3  | 21.7   |
| LEONARDO (LTP-FSD)           | 73.3                    | 26.7    | 92.7                        | 6.7     | 71.7                                | 28.3   | 53.3                             | 28.3   | 40.0  | 18.3   |
| PPG-TF-135                   | 81.7                    | 18.3    | 99.0                        | 0.0     | 70.0                                | 30.0   | 50.0                             | 50.0   | 43.3  | 41.7   |
| PST-5BPO                     | 73.3                    | 26.7    | 92.7                        | 6.7     | 61.7                                | 38.3   | 45.0                             | 45.0   | 38.3  | 43.3   |
| ATF 1736                     | 73.3                    | 26.7    | 96.0                        | 3.3     | 70.0                                | 30.0   | 50.0                             | 43.3   | 45.0  | 30.0   |
| EMBRACE (PST-5EV2)           | 83.3                    | 16.7    | 99.0                        | 0.0     | 73.3                                | 26.7   | 53.3                             | 40.0   | 46.7  | 46.7   |
| FAITH                        | 83.3                    | 16.7    | 99.0                        | 0.0     | 68.3                                | 31.7   | 55.0                             | 38.3   | 45.0  | 30.0   |
| IS-TF 311                    | 85.0                    | 15.0    | 99.0                        | 0.0     | 66.7                                | 33.3   | 48.3                             | 46.7   | 35.0  | 40.0   |
| IS-TF-287                    | 86.7                    | 13.3    | 99.0                        | 0.0     | 78.3                                | 21.7   | 56.7                             | 35.0   | 45.0  | 30.0   |
| MERIDIAN (PST-5GRB)          | 81.7                    | 18.3    | 99.0                        | 0.0     | 65.0                                | 35.0   | 41.7                             | 48.3   | 31.7  | 41.7   |
| PPG-TF-138                   | 83.3                    | 16.7    | 99.0                        | 0.0     | 81.7                                | 18.3   | 70.0                             | 18.3   | 58.3  | 23.3   |
| PST-5DZP                     | 81.7                    | 18.3    | 99.0                        | 0.0     | 66.7                                | 33.3   | 48.3                             | 46.7   | 38.3  | 38.3   |
| RAIN DANCE (PST-5SDT)        | 76.7                    | 23.3    | 94.3                        | 5.0     | 53.3                                | 46.7   | 40.0                             | 46.7   | 28.3  | 31.7   |
| TEMPLE (DZ1)                 | 85.0                    | 15.0    | 99.0                        | 0.0     | 86.7                                | 13.3   | 70.0                             | 26.7   | 63.3  | 20.0   |
| THUNDERSTRUCK (TD1)          | 80.0                    | 20.0    | 92.7                        | 6.7     | 70.0                                | 30.0   | 56.7                             | 30.0   | 45.0  | 30.0   |
| BAR FA 121089                | 73.3                    | 26.7    | 87.7                        | 11.7    | 61.7                                | 38.3   | 41.7                             | 45.0   | 33.3  | 50.0   |
| GRANDE 3                     | 78.3                    | 21.7    | 99.0                        | 0.0     | 71.7                                | 28.3   | 53.3                             | 35.0   | 41.7  | 25.0   |
| HOT ROD (BURL TF-136)        | 73.3                    | 26.7    | 99.0                        | 0.0     | 61.7                                | 38.3   | 45.0                             | 45.0   | 31.7  | 28.3   |
| UNITUS (IS-TF 289)           | 78.3                    | 21.7    | 96.0                        | 3.3     | 71.7                                | 28.3   | 53.3                             | 35.0   | 41.7  | 43.3   |
| PST-5MVD                     | 81.7                    | 18.3    | 96.0                        | 3.3     | 81.7                                | 18.3   | 63.3                             | 25.0   | 53.3  | 26.7   |
| SWAGGER (PST-5R05)           | 78.3                    | 21.7    | 97.7                        | 1.7     | 76.7                                | 23.3   | 53.3                             | 30.0   | 45.0  | 18.3   |
| ATF 1612                     | 83.3                    | 16.7    | 99.0                        | 0.0     | 75.0                                | 25.0   | 51.7                             | 45.0   | 45.0  | 41.7   |
| BULLSEYE                     | 80.0                    | 20.0    | 99.0                        | 0.0     | 70.0                                | 30.0   | 56.7                             | 30.0   | 48.3  | 31.7   |
| CAESAR (TY 10)               | 76.7                    | 23.3    | 99.0                        | 0.0     | 63.3                                | 36.7   | 45.0                             | 36.7   | 30.0  | 35.0   |
| FALCON IV                    | 80.0                    | 20.0    | 99.0                        | 0.0     | 65.0                                | 35.0   | 45.0                             | 41.7   | 31.7  | 36.7   |
| FALCON V                     | 76.7                    | 23.3    | 99.0                        | 0.0     | 70.0                                | 30.0   | 48.3                             | 36.7   | 33.3  | 20.0   |
| IS-TF 269 SEL                | 81.7                    | 18.3    | 99.0                        | 0.0     | 75.0                                | 25.0   | 61.7                             | 25.0   | 58.3  | 15.0   |
| IS-TF 276 M2                 | 78.3                    | 21.7    | 99.0                        | 0.0     | 91.7                                | 8.3    | 61.7                             | 15.0   | 46.7  | 21.7   |
| NIGHTCRAWLER (IS-TF 285)     | 71.7                    | 28.3    | 99.0                        | 0.0     | 68.3                                | 31.7   | 56.7                             | 31.7   | 48.3  | 26.7   |
| WICHITA (PPG-TF-151)         | 88.3                    | 11.7    | 99.0                        | 0.0     | 86.7                                | 13.3   | 68.3                             | 20.0   | 60.0  | 26.7   |
| PSG-TT4                      | 80.0                    | 20.0    | 99.0                        | 0.0     | 75.0                                | 25.0   | 61.7                             | 31.7   | 51.7  | 23.3   |
| DIABLO (IS-TF 330)           | 81.7                    | 18.3    | 99.0                        | 0.0     | 81.7                                | 18.3   | 63.3                             | 25.0   | 51.7  | 13.3   |
| FRONTLINE (EXP TF-09)        | 73.3                    | 26.7    | 92.7                        | 6.7     | 66.7                                | 33.3   | 45.0                             | 40.0   | 33.3  | 21.7   |
| JS 818                       | 75.0                    | 25.0    | 99.0                        | 0.0     | 76.7                                | 23.3   | 56.7                             | 36.7   | 48.3  | 28.3   |
| JS 819                       | 68.3                    | 31.7    | 86.3                        | 13.3    | 63.3                                | 36.7   | 48.3                             | 43.3   | 38.3  | 40.0   |

TABLE 14. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

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

| NAME                         | INITIAL COVER<br>IN MAY |         | BEFORE TRAFFIC<br>AUGUST 31 |         | MIDDLE SEASON TRAFFIC<br>IN OCTOBER |        | END TRAFFIC<br>IN EARLY NOVEMBER |        | 2-WEEKS AFTER TRAFFIC<br>IN MIDDLE NOVEMBER |        |
|------------------------------|-------------------------|---------|-----------------------------|---------|-------------------------------------|--------|----------------------------------|--------|---|--------|
|                              | % GREEN                 | % STRAW | % GREEN                     | % STRAW | % GREEN                             | % BARE | % GREEN                          | % BARE | % GREEN                                     | % BARE |
| KINGDOM (DB1)                | 68.3                    | 31.7    | 97.7                        | 1.7     | 65.0                                | 35.0   | 50.0                             | 41.7   | 43.3  | 36.7   |
| MARAUDER                     | 71.7                    | 28.3    | 99.0                        | 0.0     | 65.0                                | 35.0   | 46.7                             | 41.7   | 31.7  | 18.3   |
| PSG-8BP2                     | 78.3                    | 21.7    | 99.0                        | 0.0     | 73.3                                | 26.7   | 56.7                             | 26.7   | 48.3  | 30.0   |
| PST-5EX2                     | 85.0                    | 15.0    | 99.0                        | 0.0     | 76.7                                | 23.3   | 56.7                             | 23.3   | 45.0  | 23.3   |
| RAD-TF-83                    | 78.3                    | 21.7    | 92.7                        | 6.7     | 76.7                                | 23.3   | 58.3                             | 23.3   | 51.7  | 28.3   |
| OLYMPUS (RAD-TF-88)          | 78.3                    | 21.7    | 99.0                        | 0.0     | 70.0                                | 30.0   | 55.0                             | 36.7   | 41.7  | 28.3   |
| RAD-TF-89                    | 81.7                    | 18.3    | 99.0                        | 0.0     | 70.0                                | 30.0   | 46.7                             | 36.7   | 35.0  | 28.3   |
| TEMPTATION (OR-21)           | 68.3                    | 31.7    | 81.3                        | 18.3    | 66.7                                | 33.3   | 50.0                             | 40.0   | 40.0  | 41.7   |
| FIRECRACKER SLS (PPG-TF-105) | 81.7                    | 18.3    | 99.0                        | 0.0     | 81.7                                | 18.3   | 60.0                             | 25.0   | 50.0  | 28.3   |
| INSPIRATION (PST-R5NW)       | 80.0                    | 20.0    | 99.0                        | 0.0     | 70.0                                | 30.0   | 51.7                             | 36.7   | 40.0  | 20.0   |
| PSG-GSD                      | 80.0                    | 20.0    | 99.0                        | 0.0     | 75.0                                | 25.0   | 58.3                             | 31.7   | 45.0  | 35.0   |
| BAR FA 120878                | 71.7                    | 28.3    | 89.3                        | 10.0    | 66.7                                | 33.3   | 48.3                             | 40.0   | 35.0  | 40.0   |
| BAR FA 121091                | 71.7                    | 28.3    | 99.0                        | 0.0     | 60.0                                | 40.0   | 41.7                             | 46.7   | 33.3  | 31.7   |
| RAD-TF-92                    | 71.7                    | 28.3    | 92.7                        | 6.7     | 55.0                                | 45.0   | 45.0                             | 45.0   | 31.7  | 43.3   |
| WARHAWK                      | 75.0                    | 25.0    | 99.0                        | 0.0     | 63.3                                | 36.7   | 45.0                             | 50.0   | 35.0  | 36.7   |
| BAR FA 121095                | 80.0                    | 20.0    | 99.0                        | 0.0     | 80.0                                | 20.0   | 61.7                             | 20.0   | 48.3  | 10.0   |
| MEMPHIS (GO-DFR)             | 76.7                    | 23.3    | 99.0                        | 0.0     | 68.3                                | 31.7   | 50.0                             | 45.0   | 38.3  | 41.7   |
| 204 RES. BLK4                | 71.7                    | 28.3    | 97.7                        | 1.7     | 66.7                                | 33.3   | 51.7                             | 40.0   | 40.0  | 16.7   |
| ANNIHILATOR                  | 76.7                    | 23.3    | 96.0                        | 3.3     | 71.7                                | 28.3   | 50.0                             | 48.3   | 43.3  | 45.0   |
| COMP. RES. SST               | 81.7                    | 18.3    | 97.7                        | 1.7     | 76.7                                | 23.3   | 60.0                             | 30.0   | 51.7  | 28.3   |
| IS-TF 272                    | 75.0                    | 25.0    | 99.0                        | 0.0     | 78.3                                | 21.7   | 55.0                             | 35.0   | 48.3  | 21.7   |
| JS 809                       | 81.7                    | 18.3    | 97.7                        | 1.7     | 73.3                                | 26.7   | 60.0                             | 26.7   | 50.0  | 31.7   |
| JS 825                       | 78.3                    | 21.7    | 99.0                        | 0.0     | 71.7                                | 28.3   | 48.3                             | 41.7   | 40.0  | 23.3   |
| K12-05                       | 76.7                    | 23.3    | 99.0                        | 0.0     | 81.7                                | 18.3   | 61.7                             | 18.3   | 50.0  | 13.3   |
| KY-31                        | 73.3                    | 26.7    | 83.0                        | 16.7    | 58.3                                | 41.7   | 41.7                             | 48.3   | 31.7  | 40.0   |
| K12-13                       | 76.7                    | 23.3    | 99.0                        | 0.0     | 60.0                                | 40.0   | 50.0                             | 40.0   | 45.0  | 28.3   |
| LSD VALUE                    | 26.1                    | 26.1    | 26.3                        | 27.4    | 65.1                                | 65.1   | 65.2                             | 76.6   | 72.6  | 93.1   |
| C.V. (%)                     | 9.7                     | 36.9    | 6.2                         | 320.8   | 19.5                                | 50.2   | 25.0                             | 48.1   | 35.2  | 54.0   |

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 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER SHADE AT CARBONDALE, IL 1/  
2015 DATA

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

| NAME                         | SPRING<br>GREENUP | PERCENT<br>COVER<br>SUMMER | PERCENT<br>COVER<br>FALL | QUALITY RATINGS |     |     |     |     |     |     |     | MEAN |
|------------------------------|-------------------|----------------------------|--------------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|------|
|                              |                   |                            |                          | APR             | MAY | JUN | JUL | AUG | SEP | OCT | NOV |      |
| ROWDY (SRX-TPC)              | 5.0               | 78.7                       | 76.3                     | 6.7             | 5.3 | 6.7 | 7.7 | 8.7 | 8.0 | 7.3 | 7.3 | 7.2  |
| FIRECRACKER SLS (PPG-TF-105) | 4.0               | 77.3                       | 64.3                     | 6.7             | 6.0 | 5.0 | 6.7 | 6.7 | 7.0 | 6.7 | 6.3 | 6.4  |
| VALKYRIE LS (PPG-TF-172)     | 4.7               | 69.7                       | 64.0                     | 7.3             | 5.7 | 6.3 | 6.0 | 6.3 | 6.7 | 6.7 | 6.3 | 6.4  |
| TRAVERSE 2 SRP (W45)         | 5.7               | 64.7                       | 62.7                     | 7.3             | 7.3 | 6.7 | 6.0 | 5.3 | 6.7 | 6.3 | 5.7 | 6.4  |
| MERIDIAN (PST-5GRB)          | 4.0               | 72.0                       | 61.3                     | 6.7             | 5.7 | 6.3 | 6.3 | 6.3 | 7.3 | 6.3 | 5.7 | 6.3  |
| PST-5BRK                     | 4.3               | 58.3                       | 63.0                     | 7.7             | 6.7 | 6.7 | 6.3 | 6.0 | 6.0 | 5.7 | 5.3 | 6.3  |
| PST-5EX2                     | 3.3               | 72.0                       | 65.3                     | 6.0             | 5.7 | 6.3 | 7.0 | 7.0 | 6.7 | 6.0 | 6.0 | 6.3  |
| SCREAMER LS (PPG-TF-148)     | 4.0               | 68.7                       | 73.0                     | 7.3             | 5.7 | 5.7 | 6.0 | 6.0 | 6.7 | 7.0 | 6.3 | 6.3  |
| MET 1                        | 5.3               | 59.0                       | 50.7                     | 7.0             | 6.3 | 6.7 | 6.7 | 6.7 | 5.7 | 5.7 | 5.0 | 6.2  |
| ATF 1612                     | 3.0               | 47.3                       | 58.0                     | 5.7             | 5.3 | 5.7 | 6.0 | 6.3 | 6.0 | 6.7 | 6.3 | 6.0  |
| ATF 1704                     | 3.0               | 72.7                       | 61.3                     | 6.7             | 5.0 | 5.3 | 6.0 | 6.0 | 7.0 | 6.7 | 5.7 | 6.0  |
| B23                          | 3.7               | 67.7                       | 59.7                     | 6.3             | 5.3 | 6.0 | 6.3 | 6.7 | 5.7 | 5.7 | 6.3 | 6.0  |
| BAR FA 121089                | 4.3               | 65.0                       | 66.7                     | 6.7             | 4.7 | 5.7 | 6.0 | 6.7 | 6.7 | 6.3 | 5.7 | 6.0  |
| BIZEM                        | 4.3               | 58.3                       | 35.3                     | 7.0             | 6.3 | 6.0 | 5.7 | 5.3 | 6.3 | 6.0 | 5.0 | 6.0  |
| FESNOVA                      | 4.7               | 64.7                       | 50.3                     | 6.7             | 5.7 | 5.7 | 6.0 | 6.0 | 6.3 | 6.3 | 5.3 | 6.0  |
| FIREWALL (PSG-WE1)           | 4.0               | 61.3                       | 48.3                     | 6.3             | 5.3 | 6.3 | 6.3 | 7.0 | 5.7 | 5.7 | 5.0 | 6.0  |
| PPG-TF-138                   | 3.3               | 51.0                       | 52.3                     | 6.0             | 6.0 | 6.7 | 6.3 | 6.3 | 5.7 | 5.7 | 5.0 | 6.0  |
| FAYETTE (IS-TF 291)          | 4.0               | 39.0                       | 46.3                     | 6.0             | 5.3 | 5.7 | 6.0 | 6.3 | 7.0 | 5.7 | 5.3 | 5.9  |
| GTO (BURL TF-2)              | 4.0               | 55.3                       | 55.0                     | 6.3             | 5.7 | 6.0 | 6.0 | 5.7 | 6.3 | 5.7 | 5.3 | 5.9  |
| K12-MCD                      | 4.0               | 59.7                       | 43.3                     | 6.3             | 5.3 | 5.7 | 6.0 | 6.0 | 7.0 | 6.0 | 5.0 | 5.9  |
| CAESAR (TY 10)               | 3.3               | 59.3                       | 48.7                     | 6.0             | 5.0 | 5.7 | 5.7 | 6.3 | 5.7 | 6.3 | 5.3 | 5.8  |
| CATALYST                     | 3.7               | 38.7                       | 55.0                     | 6.7             | 5.7 | 6.0 | 5.3 | 5.7 | 6.0 | 5.7 | 5.0 | 5.8  |
| PST-5BPO                     | 3.3               | 68.0                       | 51.3                     | 6.0             | 5.0 | 5.7 | 5.7 | 6.3 | 7.0 | 5.7 | 4.7 | 5.8  |
| RHAMBLER 2 SRP (LSD)         | 5.0               | 53.0                       | 40.7                     | 7.0             | 6.0 | 6.3 | 6.3 | 6.3 | 5.0 | 5.7 | 3.7 | 5.8  |
| 4TH MILLENNIUM SRP (U43)     | 3.3               | 53.3                       | 57.3                     | 6.7             | 5.0 | 5.7 | 5.7 | 6.0 | 5.3 | 5.7 | 5.7 | 5.7  |
| HOUNDOG8 (IS-TF 307 SEL)     | 3.7               | 66.0                       | 50.0                     | 5.7             | 5.7 | 6.0 | 5.3 | 5.0 | 5.7 | 6.3 | 6.0 | 5.7  |
| ATF 1736                     | 3.7               | 64.3                       | 44.0                     | 6.7             | 5.7 | 5.7 | 5.3 | 5.3 | 5.0 | 5.7 | 5.3 | 5.6  |
| FRONTLINE (EXP TF-09)        | 4.3               | 56.3                       | 35.0                     | 5.7             | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.3 | 4.7 | 5.6  |
| TITANIUM 2LS (PPG-TF-152)    | 5.0               | 47.7                       | 47.3                     | 7.0             | 6.0 | 6.0 | 5.7 | 5.3 | 5.3 | 5.0 | 4.7 | 5.6  |
| MET-3                        | 3.3               | 40.7                       | 50.3                     | 6.3             | 5.3 | 5.3 | 5.3 | 5.3 | 5.0 | 6.0 | 5.7 | 5.5  |
| IS-TF 272                    | 3.3               | 49.3                       | 36.7                     | 5.7             | 4.7 | 5.3 | 5.3 | 5.0 | 6.0 | 6.0 | 5.0 | 5.4  |
| MAESTRO (T31)                | 3.0               | 52.7                       | 58.0                     | 6.7             | 5.3 | 5.3 | 5.0 | 4.7 | 6.0 | 5.3 | 5.0 | 5.4  |
| WICHITA (PPG-TF-151)         | 2.7               | 46.0                       | 43.3                     | 6.3             | 5.0 | 5.3 | 5.7 | 5.7 | 5.7 | 5.3 | 4.3 | 5.4  |
| PSG-TT4                      | 3.3               | 54.7                       | 63.0                     | 5.0             | 4.7 | 5.0 | 5.3 | 5.3 | 6.3 | 6.0 | 5.7 | 5.4  |
| REFLECTION (U45)             | 3.7               | 51.7                       | 44.7                     | 5.0             | 4.3 | 5.3 | 5.3 | 5.7 | 6.3 | 5.7 | 5.3 | 5.4  |
| SALTILLO (PST-5SALT)         | 3.7               | 45.0                       | 46.3                     | 6.3             | 5.3 | 5.7 | 5.7 | 5.3 | 5.0 | 5.3 | 4.7 | 5.4  |
| TECHNIQUE (RZ2)              | 3.3               | 51.0                       | 44.0                     | 5.7             | 4.3 | 5.0 | 5.3 | 5.3 | 6.3 | 5.7 | 5.3 | 5.4  |
| PSG-PO1                      | 3.0               | 49.3                       | 42.3                     | 5.7             | 4.3 | 5.0 | 5.3 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3  |
| RAPTOR III (ZW 44)           | 4.0               | 42.3                       | 41.0                     | 6.7             | 5.3 | 5.3 | 5.0 | 5.0 | 5.3 | 5.0 | 4.7 | 5.3  |
| TERRANO                      | 3.0               | 47.0                       | 34.7                     | 6.3             | 5.3 | 5.7 | 5.0 | 5.0 | 5.3 | 4.7 | 4.7 | 5.3  |
| F711                         | 2.7               | 43.0                       | 46.0                     | 6.0             | 5.3 | 5.7 | 5.3 | 5.0 | 5.0 | 4.7 | 4.3 | 5.2  |
| HEMI                         | 3.7               | 54.3                       | 48.0                     | 6.0             | 5.3 | 5.3 | 5.3 | 5.0 | 5.0 | 4.7 | 4.7 | 5.2  |
| JS 809                       | 4.0               | 56.7                       | 36.0                     | 5.3             | 4.7 | 5.3 | 5.3 | 5.7 | 5.7 | 5.3 | 4.3 | 5.2  |
| REBOUNDER (PICK-W43)         | 3.7               | 57.3                       | 49.7                     | 5.7             | 4.0 | 4.7 | 5.0 | 5.7 | 5.7 | 5.7 | 5.0 | 5.2  |
| ROCKWELL (LTP-TWUU)          | 3.3               | 37.7                       | 30.3                     | 5.7             | 6.0 | 5.7 | 5.3 | 5.0 | 5.3 | 4.3 | 4.0 | 5.2  |

TABLE 15.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER SHADE AT CARBONDALE, IL 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME                         | SPRING<br>GREENUP | PERCENT<br>COVER<br>SUMMER | PERCENT<br>COVER<br>FALL | QUALITY RATINGS |     |     |     |     |     |     |     |     | MEAN |
|------------------------------|-------------------|----------------------------|--------------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                              |                   |                            |                          | APR             | MAY | JUN | JUL | AUG | SEP | OCT | NOV |     |      |
| EMBRACE (PST-5EV2)           | 3.3               | 39.7                       | 44.3                     | 6.0             | 4.7 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.1  |
| FIREBIRD 2                   | 3.7               | 47.0                       | 33.3                     | 6.0             | 5.0 | 5.0 | 5.0 | 4.7 | 5.3 | 5.3 | 5.3 | 4.7 | 5.1  |
| IS-TF 276 M2                 | 5.0               | 35.3                       | 36.3                     | 6.3             | 5.3 | 5.3 | 5.7 | 5.3 | 4.7 | 4.3 | 3.7 | 5.1 | 5.1  |
| PPG-TF-169                   | 2.3               | 47.7                       | 47.3                     | 4.7             | 4.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.7 | 5.0 | 5.0 | 5.1  |
| 'SUPERSONIC (PPG-TF-170)     | 3.7               | 58.0                       | 49.7                     | 6.0             | 4.7 | 5.0 | 5.0 | 5.3 | 5.3 | 5.0 | 4.7 | 5.1 | 5.1  |
| PSG-GSD                      | 3.7               | 48.3                       | 42.0                     | 6.0             | 4.7 | 5.3 | 5.0 | 5.0 | 5.7 | 5.0 | 4.3 | 5.1 | 5.1  |
| RAD-TF-89                    | 4.0               | 50.3                       | 30.7                     | 5.3             | 5.0 | 5.3 | 5.0 | 5.0 | 5.7 | 5.0 | 4.3 | 5.1 | 5.1  |
| PPG-TF-115                   | 3.3               | 47.0                       | 45.0                     | 6.0             | 4.7 | 5.0 | 5.7 | 5.7 | 5.0 | 4.3 | 4.0 | 5.0 | 5.0  |
| PARAMOUNT (PPG-TF-137)       | 4.0               | 48.0                       | 32.7                     | 6.0             | 5.0 | 5.3 | 5.0 | 5.3 | 4.7 | 4.7 | 4.3 | 5.0 | 5.0  |
| THUNDERSTRUCK (TD1)          | 2.7               | 56.0                       | 44.3                     | 5.3             | 4.7 | 5.0 | 4.7 | 5.3 | 5.3 | 5.0 | 4.7 | 5.0 | 5.0  |
| WARHAWK                      | 4.0               | 54.7                       | 43.3                     | 5.7             | 5.0 | 5.3 | 4.7 | 4.3 | 5.7 | 5.0 | 4.3 | 5.0 | 5.0  |
| BLACK TAIL (PPG-TF-150)      | 3.3               | 43.7                       | 44.0                     | 6.0             | 4.7 | 4.7 | 4.7 | 4.7 | 5.3 | 5.0 | 4.3 | 4.9 | 4.9  |
| FALCON IV                    | 4.7               | 44.3                       | 33.3                     | 5.7             | 5.7 | 5.3 | 5.0 | 4.3 | 4.7 | 4.7 | 4.0 | 4.9 | 4.9  |
| HOVER (BURL TF-69)           | 3.0               | 20.0                       | 29.3                     | 5.7             | 5.0 | 5.0 | 4.7 | 4.7 | 4.3 | 4.7 | 5.0 | 4.9 | 4.9  |
| XTENDER (PPG-TF-139)         | 4.0               | 33.3                       | 29.0                     | 6.3             | 5.3 | 5.3 | 5.0 | 5.0 | 4.7 | 4.0 | 3.3 | 4.9 | 4.9  |
| BAR FA 121095                | 2.7               | 52.3                       | 39.3                     | 4.7             | 4.3 | 4.7 | 4.7 | 4.7 | 4.7 | 5.3 | 5.0 | 4.8 | 4.8  |
| IS-TF 269 SEL                | 4.0               | 36.0                       | 33.0                     | 5.3             | 5.3 | 5.0 | 4.7 | 3.7 | 4.3 | 5.0 | 4.7 | 4.8 | 4.8  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 3.0               | 37.7                       | 35.3                     | 6.0             | 5.7 | 5.3 | 4.7 | 4.0 | 4.3 | 4.0 | 4.3 | 4.8 | 4.8  |
| JS 916                       | 3.0               | 36.7                       | 47.0                     | 5.7             | 4.7 | 5.0 | 4.7 | 4.7 | 4.3 | 4.3 | 5.3 | 4.8 | 4.8  |
| LEONARDO (LTP-FSD)           | 3.0               | 39.0                       | 37.0                     | 6.0             | 4.3 | 4.7 | 4.7 | 5.0 | 4.3 | 4.3 | 4.7 | 4.8 | 4.8  |
| BLOODHOUND (MET 6 SEL)       | 3.7               | 43.0                       | 37.0                     | 6.0             | 5.0 | 5.0 | 4.7 | 4.3 | 4.7 | 4.0 | 4.7 | 4.8 | 4.8  |
| RAIN DANCE (PST-5SDT)        | 2.7               | 49.3                       | 44.7                     | 4.7             | 4.0 | 5.0 | 5.0 | 5.3 | 5.0 | 4.7 | 4.7 | 4.8 | 4.8  |
| REGENERATE                   | 2.7               | 48.3                       | 41.3                     | 6.0             | 5.0 | 4.7 | 5.0 | 4.7 | 4.7 | 4.3 | 4.3 | 4.8 | 4.8  |
| ANNIHILATOR                  | 3.3               | 41.0                       | 53.7                     | 4.0             | 4.3 | 4.7 | 5.0 | 5.0 | 4.3 | 4.7 | 5.7 | 4.7 | 4.7  |
| ATF 1754                     | 3.0               | 38.7                       | 33.3                     | 5.3             | 4.7 | 5.0 | 4.3 | 4.7 | 5.0 | 4.3 | 4.0 | 4.7 | 4.7  |
| FAITH                        | 3.3               | 37.7                       | 34.7                     | 5.3             | 4.3 | 4.7 | 4.7 | 4.7 | 5.3 | 4.7 | 4.0 | 4.7 | 4.7  |
| IS-TF-287                    | 3.3               | 48.7                       | 36.7                     | 5.7             | 5.0 | 5.3 | 4.7 | 4.3 | 4.3 | 4.3 | 4.0 | 4.7 | 4.7  |
| RAD-TF-83                    | 2.7               | 45.3                       | 46.0                     | 5.3             | 4.3 | 4.7 | 4.3 | 4.3 | 5.0 | 5.0 | 4.3 | 4.7 | 4.7  |
| FALCON V                     | 3.7               | 43.7                       | 26.3                     | 5.3             | 4.3 | 4.7 | 4.7 | 4.7 | 5.0 | 4.0 | 4.0 | 4.6 | 4.6  |
| RHIZING MOON (IS-TF 305 SEL) | 4.0               | 39.7                       | 35.3                     | 6.0             | 4.3 | 4.7 | 4.7 | 5.0 | 4.0 | 4.0 | 4.0 | 4.6 | 4.6  |
| KINGDOM (DB1)                | 3.0               | 39.0                       | 43.7                     | 5.0             | 4.0 | 4.7 | 4.3 | 4.3 | 5.3 | 5.0 | 4.0 | 4.6 | 4.6  |
| AQUADUCT                     | 4.0               | 41.3                       | 32.7                     | 4.7             | 4.3 | 4.7 | 4.7 | 4.7 | 4.3 | 4.7 | 4.0 | 4.5 | 4.5  |
| AVENGER II (PPG-TF-156)      | 5.0               | 29.3                       | 28.3                     | 6.3             | 5.3 | 5.0 | 4.3 | 3.7 | 4.0 | 3.3 | 4.3 | 4.5 | 4.5  |
| DIABLO (IS-TF 330)           | 3.3               | 29.7                       | 39.7                     | 4.7             | 4.7 | 4.7 | 4.3 | 4.3 | 4.3 | 4.3 | 4.7 | 4.5 | 4.5  |
| MICHELANGELO (LTP-F5DPDR)    | 3.0               | 33.0                       | 32.7                     | 5.0             | 4.0 | 4.3 | 4.3 | 4.7 | 4.7 | 4.3 | 4.3 | 4.5 | 4.5  |
| PSG-8BP2                     | 3.3               | 25.0                       | 21.7                     | 5.0             | 4.3 | 4.7 | 5.0 | 5.0 | 3.7 | 4.0 | 4.0 | 4.5 | 4.5  |
| PST-5MVD                     | 3.3               | 40.7                       | 37.7                     | 5.3             | 4.3 | 4.7 | 4.3 | 4.3 | 4.3 | 4.7 | 4.3 | 4.5 | 4.5  |
| TURFWAY (IS-TF 282 M2)       | 2.7               | 37.3                       | 38.7                     | 5.0             | 4.3 | 4.7 | 4.3 | 4.7 | 5.0 | 4.3 | 3.7 | 4.5 | 4.5  |
| FOXHOUND (IS-TF 284 M2)      | 3.0               | 37.3                       | 47.3                     | 4.0             | 4.3 | 5.0 | 4.7 | 5.0 | 4.3 | 4.0 | 4.0 | 4.4 | 4.4  |
| GRANDE 3                     | 4.3               | 34.0                       | 33.0                     | 5.3             | 3.7 | 4.0 | 4.0 | 4.3 | 4.7 | 4.7 | 4.3 | 4.4 | 4.4  |
| JS 818                       | 2.0               | 38.7                       | 26.0                     | 5.0             | 4.3 | 4.7 | 4.3 | 4.3 | 4.7 | 4.0 | 3.7 | 4.4 | 4.4  |
| RAD-TF-92                    | 3.0               | 39.0                       | 36.0                     | 5.3             | 5.0 | 4.7 | 4.3 | 4.0 | 4.3 | 4.0 | 3.7 | 4.4 | 4.4  |
| AMITY (CCR2)                 | 2.7               | 35.3                       | 49.0                     | 4.3             | 3.3 | 4.0 | 4.0 | 4.7 | 4.7 | 4.0 | 5.0 | 4.3 | 4.3  |
| JS 819                       | 4.0               | 34.0                       | 27.7                     | 4.3             | 3.7 | 4.0 | 4.0 | 4.3 | 5.0 | 4.7 | 4.3 | 4.3 | 4.3  |
| K12-13                       | 2.3               | 31.7                       | 23.0                     | 4.0             | 4.0 | 4.7 | 5.0 | 5.0 | 5.0 | 3.7 | 3.0 | 4.3 | 4.3  |



TABLE 15.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER SHADE AT CARBONDALE, IL 1/  
2015 DATA

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

| NAME                     | SPRING<br>GREENUP | PERCENT<br>COVER<br>SUMMER | PERCENT<br>COVER<br>FALL | QUALITY RATINGS |      |      |      |      |      |      |      |      | MEAN |
|--------------------------|-------------------|----------------------------|--------------------------|-----------------|------|------|------|------|------|------|------|------|------|
|                          |                   |                            |                          | APR             | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  |      |      |
| PST-5DZP                 | 4.0               | 35.7                       | 24.3                     | 5.3             | 4.3  | 4.3  | 3.7  | 3.3  | 5.3  | 4.7  | 3.7  | 4.3  |      |
| TEMPLE (DZ1)             | 3.7               | 36.0                       | 30.0                     | 5.3             | 4.0  | 4.0  | 3.7  | 3.7  | 4.7  | 4.7  | 4.3  | 4.3  |      |
| TEMPTATION (OR-21)       | 3.0               | 45.0                       | 32.7                     | 4.7             | 3.7  | 4.3  | 4.7  | 5.3  | 4.3  | 3.7  | 3.7  | 4.3  |      |
| W41                      | 3.0               | 33.7                       | 30.0                     | 5.0             | 4.0  | 4.7  | 4.3  | 4.3  | 4.0  | 4.3  | 4.0  | 4.3  |      |
| BULLSEYE                 | 4.0               | 31.3                       | 28.7                     | 4.7             | 4.7  | 4.7  | 4.3  | 3.7  | 4.0  | 3.7  | 4.0  | 4.2  |      |
| NIGHTCRAWLER (IS-TF 285) | 4.3               | 34.0                       | 28.3                     | 5.3             | 4.0  | 4.3  | 4.0  | 4.3  | 4.3  | 3.7  | 3.3  | 4.2  |      |
| THOR (PPG-TF-157)        | 3.3               | 39.3                       | 42.0                     | 4.0             | 2.7  | 3.3  | 4.0  | 4.7  | 4.7  | 5.0  | 4.7  | 4.1  |      |
| BAR FA 121091            | 2.3               | 33.0                       | 34.7                     | 4.0             | 3.3  | 4.7  | 4.3  | 3.3  | 4.0  | 4.3  | 4.3  | 4.0  |      |
| HOT ROD (BURL TF-136)    | 3.7               | 25.7                       | 41.7                     | 5.0             | 4.0  | 3.7  | 3.7  | 3.3  | 4.3  | 4.3  | 4.0  | 4.0  |      |
| JS 825                   | 2.3               | 33.3                       | 27.7                     | 5.3             | 4.3  | 4.3  | 4.0  | 3.7  | 3.7  | 3.0  | 3.3  | 4.0  |      |
| INSPIRATION (PST-R5NW)   | 3.0               | 25.0                       | 24.3                     | 4.7             | 4.3  | 4.3  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.9  |      |
| IS-TF 311                | 4.0               | 25.0                       | 24.3                     | 4.7             | 4.0  | 4.0  | 4.3  | 4.3  | 3.3  | 3.3  | 3.3  | 3.9  |      |
| MARAUDER                 | 2.0               | 26.3                       | 36.7                     | 3.3             | 2.7  | 3.7  | 4.0  | 4.0  | 4.7  | 4.3  | 4.3  | 3.9  |      |
| KY-31                    | 4.0               | 22.3                       | 36.7                     | 4.7             | 3.0  | 3.7  | 3.3  | 4.0  | 4.0  | 4.3  | 3.3  | 3.8  |      |
| MEMPHIS (GO-DFR)         | 2.7               | 26.0                       | 22.3                     | 3.7             | 4.0  | 4.0  | 3.7  | 3.7  | 4.3  | 3.0  | 3.0  | 3.7  |      |
| IS-TF 308 SEL            | 3.0               | 32.3                       | 25.3                     | 4.3             | 3.3  | 3.7  | 3.7  | 3.7  | 3.7  | 3.7  | 3.7  | 3.7  |      |
| UNITUS (IS-TF 289)       | 3.0               | 26.3                       | 20.7                     | 5.0             | 3.7  | 3.7  | 3.0  | 3.0  | 3.3  | 3.0  | 3.3  | 3.5  |      |
| K12-05                   | 2.0               | 26.3                       | 25.7                     | 3.3             | 3.3  | 3.7  | 3.3  | 3.3  | 3.7  | 3.3  | 3.7  | 3.5  |      |
| OLYMPUS (RAD-TF-88)      | 2.0               | 13.3                       | 25.3                     | 4.0             | 3.3  | 3.3  | 3.3  | 3.0  | 3.3  | 3.7  | 3.7  | 3.5  |      |
| DYNAMITE LS (PPG-TF-145) | 1.7               | 28.7                       | 19.3                     | 4.0             | 3.0  | 3.3  | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 3.2  |      |
| 204 RES. BLK4            | 2.7               | 29.7                       | 15.0                     | 3.0             | 3.0  | 3.3  | 3.3  | 3.0  | 2.7  | 3.0  | 3.0  | 3.0  |      |
| ARES (PPG-TF-142)        | 1.7               | 17.7                       | 15.0                     | 3.0             | 3.0  | 3.3  | 3.0  | 3.0  | 2.7  | 2.3  | 3.3  | 3.0  |      |
| COMP. RES. SST           | 2.0               | 12.3                       | 14.7                     | 3.0             | 2.7  | 3.0  | 3.3  | 3.3  | 3.0  | 2.7  | 2.7  | 3.0  |      |
| PPG-TF-135               | 2.3               | 14.3                       | 20.3                     | 4.0             | 2.7  | 3.0  | 2.7  | 2.7  | 2.7  | 2.7  | 3.3  | 3.0  |      |
| BAR FA 120878            | 2.3               | 13.0                       | 21.7                     | 3.0             | 2.3  | 3.0  | 2.7  | 3.0  | 2.3  | 2.3  | 2.0  | 2.6  |      |
| SWAGGER (PST-5R05)       | 1.7               | 8.7                        | 11.0                     | 3.3             | 2.7  | 3.0  | 2.3  | 2.3  | 2.3  | 2.0  | 2.0  | 2.5  |      |
| LSD VALUE                | 1.8               | 125.3                      | 110.2                    | 3.8             | 3.8  | 5.3  | 5.8  | 7.9  | 10.0 | 7.9  | 6.8  | 5.0  |      |
| C.V. (%)                 | 27.0              | 60.1                       | 58.2                     | 27.1            | 29.6 | 28.8 | 32.4 | 37.4 | 39.9 | 38.7 | 35.7 | 29.4 |      |

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

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

TABLE 16

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
FOR BROWN PATCH STUDY AT WICHITA, KS 1/  
2015 DATA

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

| NAME                         | GENETIC<br>COLOR | SPRING<br>GREENUP | LEAF<br>TEXTURE | BROWN<br>PATCH<br>WARM TEMP. | FALL<br>COLOR<br>DECEMBER | QUALITY RATINGS |     |     |     |     |     |     | MEAN |
|------------------------------|------------------|-------------------|-----------------|------------------------------|---------------------------|-----------------|-----|-----|-----|-----|-----|-----|------|
|                              |                  |                   |                 |                              |                           | APR             | MAY | JUN | JUL | AUG | SEP | OCT |      |
| IS-TF 308 SEL                | 7.0              | 5.0               | 6.7             | 8.0                          | 5.3                       | 5.0             | 6.0 | 6.7 | 6.3 | 6.7 | 5.3 | 6.0 | 6.0  |
| REBOUNDER (PICK-W43)         | 7.0              | 5.7               | 7.7             | 7.7                          | 5.7                       | 5.3             | 7.0 | 7.7 | 6.3 | 5.7 | 4.0 | 6.3 | 6.0  |
| GTO (BURL TF-2)              | 5.7              | 4.3               | 7.0             | 6.7                          | 4.7                       | 5.0             | 6.7 | 7.0 | 5.7 | 6.0 | 5.0 | 5.7 | 5.9  |
| MET-3                        | 6.0              | 5.0               | 6.7             | 6.3                          | 4.7                       | 5.3             | 6.7 | 7.0 | 5.7 | 6.0 | 4.3 | 6.0 | 5.9  |
| MICHELANGELO (LTP-F5DPDR)    | 6.0              | 5.0               | 6.7             | 6.3                          | 5.7                       | 5.3             | 6.7 | 7.0 | 5.7 | 6.0 | 4.7 | 6.0 | 5.9  |
| PPG-TF-135                   | 6.3              | 4.0               | 6.7             | 8.7                          | 5.3                       | 4.3             | 5.7 | 6.3 | 6.7 | 6.3 | 5.3 | 6.7 | 5.9  |
| TRAVERSE 2 SRP (W45)         | 6.3              | 4.3               | 6.7             | 7.3                          | 5.3                       | 5.0             | 6.7 | 6.7 | 6.0 | 6.0 | 4.3 | 6.3 | 5.9  |
| AVENGER II (PPG-TF-156)      | 6.3              | 4.7               | 7.0             | 6.3                          | 5.3                       | 5.0             | 6.0 | 6.7 | 6.3 | 6.3 | 4.7 | 5.7 | 5.8  |
| BIZEM                        | 6.3              | 4.7               | 6.3             | 7.0                          | 5.0                       | 5.3             | 6.0 | 7.0 | 5.7 | 6.0 | 4.7 | 5.7 | 5.8  |
| BLACK TAIL (PPG-TF-150)      | 6.0              | 4.7               | 7.0             | 7.7                          | 4.3                       | 5.0             | 6.0 | 7.0 | 6.0 | 6.0 | 5.0 | 5.7 | 5.8  |
| MAESTRO (T31)                | 6.7              | 5.0               | 6.7             | 7.0                          | 5.0                       | 5.7             | 6.0 | 6.7 | 6.3 | 4.7 | 4.3 | 7.0 | 5.8  |
| VALKYRIE LS (PPG-TF-172)     | 6.7              | 4.7               | 6.3             | 7.0                          | 5.0                       | 4.3             | 6.7 | 7.0 | 5.7 | 5.7 | 4.7 | 6.3 | 5.8  |
| TERRANO                      | 5.7              | 4.3               | 6.3             | 6.7                          | 5.3                       | 5.3             | 6.7 | 6.7 | 6.3 | 5.3 | 4.3 | 5.7 | 5.8  |
| THOR (PPG-TF-157)            | 7.0              | 4.7               | 6.7             | 5.7                          | 5.7                       | 5.0             | 7.0 | 6.7 | 5.0 | 6.3 | 4.7 | 5.7 | 5.8  |
| TITANIUM 2LS (PPG-TF-152)    | 6.7              | 4.3               | 6.7             | 6.3                          | 5.3                       | 5.3             | 6.7 | 7.3 | 6.0 | 5.0 | 4.0 | 6.0 | 5.8  |
| 4TH MILLENNIUM SRP (U43)     | 6.3              | 4.0               | 6.7             | 7.0                          | 4.7                       | 4.7             | 6.3 | 6.7 | 6.3 | 5.7 | 4.3 | 6.0 | 5.7  |
| ARES (PPG-TF-142)            | 7.7              | 4.3               | 6.3             | 7.0                          | 5.3                       | 5.3             | 6.7 | 7.3 | 5.0 | 5.3 | 4.0 | 6.0 | 5.7  |
| ATF 1612                     | 6.3              | 4.3               | 7.3             | 7.7                          | 5.7                       | 5.0             | 6.0 | 6.3 | 6.0 | 5.7 | 4.3 | 6.7 | 5.7  |
| ATF 1704                     | 5.7              | 5.0               | 6.3             | 6.3                          | 5.3                       | 5.0             | 6.0 | 6.7 | 5.7 | 5.3 | 5.0 | 6.0 | 5.7  |
| B23                          | 6.3              | 4.0               | 7.0             | 6.3                          | 5.0                       | 4.7             | 7.0 | 6.3 | 6.3 | 5.7 | 4.0 | 5.7 | 5.7  |
| F711                         | 5.7              | 5.0               | 6.3             | 6.7                          | 5.3                       | 5.0             | 7.0 | 7.0 | 6.0 | 5.3 | 3.7 | 6.0 | 5.7  |
| FALCON V                     | 6.3              | 4.7               | 6.3             | 5.7                          | 5.7                       | 5.0             | 6.0 | 6.7 | 5.3 | 6.3 | 4.7 | 5.7 | 5.7  |
| FIREBIRD 2                   | 6.0              | 4.3               | 6.3             | 6.3                          | 4.3                       | 4.7             | 6.7 | 6.3 | 5.0 | 6.3 | 5.3 | 5.3 | 5.7  |
| HEMI                         | 6.3              | 4.3               | 7.0             | 6.0                          | 5.0                       | 4.3             | 6.7 | 6.7 | 6.3 | 5.3 | 4.3 | 6.0 | 5.7  |
| IS-TF 276 M2                 | 6.0              | 4.7               | 6.7             | 6.0                          | 4.7                       | 6.3             | 6.7 | 6.3 | 5.7 | 4.3 | 4.3 | 6.0 | 5.7  |
| BLOODHOUND (MET 6 SEL)       | 5.0              | 4.7               | 7.3             | 6.7                          | 4.3                       | 5.0             | 6.3 | 6.3 | 6.0 | 5.0 | 4.3 | 6.7 | 5.7  |
| PPG-TF-115                   | 6.0              | 4.7               | 5.3             | 6.3                          | 5.7                       | 5.3             | 7.0 | 7.0 | 6.0 | 5.0 | 3.7 | 6.0 | 5.7  |
| WICHITA (PPG-TF-151)         | 6.3              | 5.0               | 6.7             | 6.3                          | 4.7                       | 5.0             | 7.0 | 6.3 | 5.3 | 6.0 | 4.7 | 5.7 | 5.7  |
| PPG-TF-169                   | 5.7              | 4.7               | 7.0             | 7.3                          | 4.7                       | 5.0             | 6.3 | 6.3 | 5.3 | 5.0 | 5.3 | 6.3 | 5.7  |
| PST-5BPO                     | 5.3              | 5.0               | 6.0             | 8.0                          | 4.3                       | 5.7             | 6.7 | 6.3 | 6.0 | 4.3 | 4.3 | 6.7 | 5.7  |
| PST-5BRK                     | 4.7              | 4.7               | 6.7             | 6.7                          | 4.3                       | 5.0             | 6.7 | 6.0 | 5.3 | 5.7 | 4.7 | 6.3 | 5.7  |
| PST-5EX2                     | 4.7              | 5.0               | 5.7             | 7.7                          | 4.3                       | 5.7             | 5.7 | 6.3 | 6.0 | 5.0 | 4.7 | 6.3 | 5.7  |
| PST-5MVD                     | 5.0              | 4.3               | 6.0             | 6.3                          | 4.7                       | 5.0             | 6.3 | 6.3 | 5.7 | 5.7 | 4.3 | 6.3 | 5.7  |
| REFLECTION (U45)             | 6.7              | 4.0               | 6.3             | 7.3                          | 5.3                       | 5.0             | 6.3 | 7.0 | 6.0 | 5.3 | 4.7 | 5.3 | 5.7  |
| ROCKWELL (LTP-TWUU)          | 6.3              | 4.3               | 6.0             | 7.3                          | 5.0                       | 4.7             | 6.3 | 7.0 | 6.0 | 5.3 | 4.0 | 6.3 | 5.7  |
| ROWDY (SRX-TPC)              | 6.0              | 4.0               | 6.7             | 7.3                          | 5.0                       | 5.0             | 6.7 | 7.0 | 6.0 | 6.0 | 4.3 | 5.0 | 5.7  |
| FIRECRACKER SLS (PPG-TF-105) | 6.7              | 4.7               | 6.0             | 6.7                          | 5.0                       | 4.3             | 6.7 | 6.7 | 6.3 | 5.3 | 4.3 | 5.7 | 5.6  |
| GRANDE 3                     | 6.0              | 4.7               | 7.0             | 6.3                          | 5.3                       | 4.7             | 6.3 | 6.7 | 5.3 | 6.0 | 4.3 | 5.7 | 5.6  |
| HOUNDOG8 (IS-TF 307 SEL)     | 6.7              | 4.3               | 7.0             | 6.7                          | 4.7                       | 5.0             | 6.3 | 6.7 | 5.3 | 5.3 | 4.3 | 6.3 | 5.6  |
| KINGDOM (DB1)                | 7.0              | 5.0               | 6.3             | 7.7                          | 5.3                       | 5.3             | 7.3 | 5.3 | 5.0 | 5.3 | 4.7 | 6.0 | 5.6  |
| LEONARDO (LTP-FSD)           | 6.0              | 4.7               | 6.0             | 7.3                          | 5.0                       | 5.0             | 6.3 | 6.7 | 6.0 | 5.3 | 4.3 | 5.7 | 5.6  |
| REGENERATE                   | 6.7              | 4.7               | 6.7             | 6.3                          | 5.7                       | 5.0             | 5.7 | 6.3 | 5.3 | 6.0 | 5.0 | 5.7 | 5.6  |
| RHAMBLER 2 SRP (LSD)         | 6.0              | 4.0               | 6.7             | 6.3                          | 5.0                       | 5.0             | 7.0 | 6.3 | 5.3 | 5.3 | 4.3 | 5.7 | 5.6  |
| SCREAMER LS (PPG-TF-148)     | 6.0              | 4.3               | 7.3             | 6.7                          | 5.3                       | 5.0             | 6.0 | 6.3 | 5.7 | 5.7 | 4.7 | 6.0 | 5.6  |
| TECHNIQUE (RZ2)              | 6.0              | 3.7               | 7.3             | 6.7                          | 4.7                       | 4.3             | 6.3 | 7.0 | 5.3 | 5.7 | 5.0 | 5.7 | 5.6  |

TABLE 16. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
FOR BROWN PATCH STUDY AT WICHITA, KS 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME                         | GENETIC<br>COLOR | SPRING<br>GREENUP | LEAF<br>TEXTURE | BROWN<br>PATCH<br>WARM TEMP. | FALL<br>COLOR<br>DECEMBER | APR | MAY | JUN | QUALITY RATINGS |     |     |     | MEAN |
|------------------------------|------------------|-------------------|-----------------|------------------------------|---------------------------|-----|-----|-----|-----------------|-----|-----|-----|------|
|                              |                  |                   |                 |                              |                           |     |     |     | JUL             | AUG | SEP | OCT |      |
| TEMPLE (DZ1)                 | 6.3              | 4.3               | 6.3             | 6.3                          | 6.0                       | 4.3 | 6.0 | 6.3 | 5.3             | 6.0 | 5.0 | 6.3 | 5.6  |
| AMITY (CCR2)                 | 6.3              | 4.7               | 6.7             | 7.3                          | 4.3                       | 4.3 | 6.3 | 7.0 | 6.3             | 5.3 | 4.0 | 5.3 | 5.5  |
| FRONTLINE (EXP TF-09)        | 7.3              | 5.0               | 6.3             | 6.3                          | 5.0                       | 6.3 | 7.0 | 6.3 | 4.3             | 4.3 | 3.7 | 6.7 | 5.5  |
| HOT ROD (BURL TF-136)        | 6.0              | 4.0               | 7.7             | 5.7                          | 4.7                       | 4.7 | 6.3 | 6.7 | 5.3             | 5.0 | 4.0 | 6.3 | 5.5  |
| IS-TF-287                    | 6.3              | 5.0               | 6.7             | 7.7                          | 4.3                       | 5.3 | 6.0 | 6.7 | 6.0             | 5.0 | 3.7 | 6.0 | 5.5  |
| MET 1                        | 6.0              | 5.0               | 6.7             | 5.7                          | 5.0                       | 4.7 | 6.0 | 6.7 | 4.7             | 5.7 | 4.7 | 6.0 | 5.5  |
| PPG-TF-138                   | 6.0              | 4.0               | 7.0             | 6.0                          | 5.7                       | 5.0 | 7.0 | 7.0 | 5.0             | 6.0 | 3.3 | 5.3 | 5.5  |
| PSG-GSD                      | 5.7              | 5.0               | 6.0             | 6.0                          | 5.0                       | 6.0 | 6.7 | 6.3 | 5.7             | 5.3 | 3.3 | 5.3 | 5.5  |
| PSG-P01                      | 6.0              | 5.0               | 6.7             | 6.3                          | 4.0                       | 4.7 | 6.3 | 6.3 | 5.3             | 5.3 | 4.3 | 6.0 | 5.5  |
| RAD-TF-89                    | 6.3              | 3.7               | 6.0             | 7.7                          | 4.7                       | 4.3 | 6.3 | 6.0 | 6.3             | 5.0 | 4.7 | 6.0 | 5.5  |
| SALTILLO (PST-5SALT)         | 5.0              | 4.7               | 6.0             | 6.3                          | 4.3                       | 4.7 | 6.7 | 6.0 | 5.7             | 5.7 | 3.7 | 6.0 | 5.5  |
| ATF 1736                     | 6.0              | 5.0               | 6.0             | 8.0                          | 4.7                       | 4.3 | 6.3 | 6.7 | 5.7             | 5.3 | 4.0 | 5.3 | 5.4  |
| CATALYST                     | 6.0              | 4.3               | 6.3             | 5.7                          | 4.3                       | 5.0 | 6.3 | 7.0 | 4.7             | 5.3 | 4.3 | 5.3 | 5.4  |
| DIABLO (IS-TF 330)           | 7.0              | 5.0               | 7.3             | 7.3                          | 5.0                       | 5.0 | 6.7 | 6.7 | 5.7             | 5.3 | 3.7 | 5.0 | 5.4  |
| DYNAMITE LS (PPG-TF-145)     | 7.0              | 4.3               | 6.3             | 6.7                          | 5.0                       | 5.7 | 6.0 | 6.0 | 5.3             | 5.0 | 4.3 | 5.3 | 5.4  |
| EMBRACE (PST-5EV2)           | 5.3              | 4.7               | 7.0             | 6.3                          | 4.0                       | 4.7 | 6.0 | 6.3 | 5.7             | 5.7 | 4.3 | 5.3 | 5.4  |
| FESNOVA                      | 6.0              | 5.0               | 6.3             | 6.3                          | 5.0                       | 5.0 | 6.3 | 6.3 | 5.7             | 4.0 | 4.3 | 6.0 | 5.4  |
| FIREWALL (PSG-WE1)           | 7.0              | 4.3               | 6.7             | 6.7                          | 4.7                       | 4.3 | 6.3 | 6.3 | 5.7             | 5.0 | 4.0 | 6.0 | 5.4  |
| MEMPHIS (GO-DFR)             | 6.3              | 4.3               | 6.3             | 5.3                          | 4.3                       | 5.3 | 7.0 | 6.3 | 4.7             | 4.7 | 4.0 | 5.7 | 5.4  |
| IS-TF 311                    | 6.0              | 4.7               | 6.3             | 6.7                          | 4.3                       | 5.3 | 6.0 | 6.7 | 5.0             | 5.7 | 3.7 | 5.3 | 5.4  |
| JS 916                       | 6.7              | 5.0               | 6.0             | 6.7                          | 5.0                       | 4.7 | 6.3 | 5.7 | 5.0             | 5.7 | 4.7 | 5.7 | 5.4  |
| MERIDIAN (PST-5GRB)          | 5.3              | 3.7               | 6.7             | 7.3                          | 4.0                       | 4.0 | 6.0 | 6.7 | 5.3             | 5.7 | 4.7 | 5.7 | 5.4  |
| PARAMOUNT (PPG-TF-137)       | 6.3              | 3.3               | 6.7             | 7.3                          | 5.3                       | 4.0 | 6.0 | 6.7 | 6.0             | 5.3 | 4.0 | 5.7 | 5.4  |
| RAPTOR III (ZW 44)           | 6.0              | 5.0               | 6.7             | 6.3                          | 4.7                       | 4.3 | 6.0 | 7.3 | 6.0             | 5.0 | 3.7 | 5.7 | 5.4  |
| SWAGGER (PST-5R05)           | 5.0              | 5.0               | 5.7             | 7.0                          | 4.0                       | 4.7 | 6.3 | 5.7 | 5.7             | 5.3 | 4.3 | 5.7 | 5.4  |
| AQUADUCT                     | 4.7              | 4.7               | 5.7             | 6.0                          | 4.0                       | 5.3 | 6.3 | 6.0 | 6.0             | 4.3 | 3.7 | 5.7 | 5.3  |
| FAITH                        | 6.3              | 5.0               | 6.3             | 6.0                          | 4.3                       | 5.7 | 6.0 | 5.7 | 5.0             | 5.3 | 3.3 | 6.0 | 5.3  |
| FALCON IV                    | 6.0              | 5.0               | 6.0             | 5.7                          | 4.3                       | 5.3 | 6.0 | 6.3 | 5.7             | 4.7 | 3.7 | 5.3 | 5.3  |
| FAYETTE (IS-TF 291)          | 7.0              | 4.7               | 6.7             | 5.3                          | 5.3                       | 5.3 | 6.3 | 6.3 | 4.3             | 5.0 | 4.0 | 6.0 | 5.3  |
| HOVER (BURL TF-69)           | 6.3              | 4.3               | 6.7             | 5.7                          | 4.3                       | 5.0 | 6.3 | 6.7 | 5.0             | 5.3 | 3.7 | 5.3 | 5.3  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 6.7              | 4.3               | 6.0             | 6.3                          | 4.7                       | 4.7 | 6.0 | 6.0 | 5.0             | 5.0 | 4.3 | 6.0 | 5.3  |
| JS 819                       | 6.3              | 4.7               | 6.0             | 5.7                          | 4.0                       | 5.7 | 6.7 | 6.3 | 4.7             | 5.0 | 3.3 | 5.7 | 5.3  |
| K12-MCD                      | 5.7              | 4.3               | 7.0             | 6.3                          | 4.7                       | 5.0 | 6.3 | 6.7 | 5.0             | 5.0 | 3.7 | 5.7 | 5.3  |
| 'SUPERSONIC (PPG-TF-170)     | 6.3              | 4.7               | 6.0             | 5.7                          | 4.7                       | 5.0 | 6.3 | 6.7 | 5.7             | 4.7 | 3.3 | 5.7 | 5.3  |
| PSG-TT4                      | 5.7              | 4.7               | 6.0             | 5.7                          | 4.0                       | 5.0 | 6.0 | 6.0 | 4.3             | 5.0 | 5.0 | 5.7 | 5.3  |
| OLYMPUS (RAD-TF-88)          | 6.0              | 3.7               | 6.7             | 6.3                          | 5.0                       | 4.7 | 5.7 | 6.0 | 5.0             | 5.7 | 4.7 | 5.3 | 5.3  |
| TURFWAY (IS-TF 282 M2)       | 7.7              | 4.7               | 6.3             | 6.3                          | 4.0                       | 5.0 | 6.7 | 6.0 | 5.0             | 5.0 | 4.7 | 5.0 | 5.3  |
| ATF 1754                     | 5.3              | 4.0               | 7.0             | 7.0                          | 4.3                       | 4.7 | 6.0 | 6.0 | 5.0             | 5.3 | 4.7 | 5.0 | 5.2  |
| BAR FA 121091                | 7.7              | 4.7               | 5.7             | 7.0                          | 4.3                       | 5.0 | 6.0 | 6.0 | 5.7             | 5.0 | 3.7 | 5.0 | 5.2  |
| BULLSEYE                     | 6.3              | 4.7               | 6.3             | 5.7                          | 4.0                       | 5.3 | 6.3 | 7.0 | 4.7             | 4.7 | 3.0 | 5.7 | 5.2  |
| CAESAR (TY 10)               | 7.0              | 5.0               | 6.0             | 6.3                          | 5.3                       | 5.3 | 6.3 | 6.3 | 4.0             | 5.0 | 4.0 | 5.3 | 5.2  |
| FOXHOUND (IS-TF 284 M2)      | 7.7              | 4.3               | 6.3             | 5.7                          | 4.3                       | 5.0 | 7.0 | 5.7 | 4.7             | 5.0 | 4.0 | 5.0 | 5.2  |
| RHIZING MOON (IS-TF 305 SEL) | 7.3              | 5.0               | 6.0             | 6.0                          | 4.3                       | 5.7 | 6.0 | 6.3 | 4.3             | 4.7 | 3.7 | 6.0 | 5.2  |
| JS 825                       | 5.3              | 5.0               | 5.7             | 4.7                          | 4.0                       | 6.3 | 6.7 | 6.0 | 4.3             | 3.7 | 3.7 | 5.7 | 5.2  |
| PSG-8BP2                     | 6.0              | 5.0               | 6.3             | 6.0                          | 4.0                       | 5.0 | 6.0 | 6.3 | 5.3             | 4.7 | 4.0 | 5.3 | 5.2  |

TABLE 16. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
FOR BROWN PATCH STUDY AT WICHITA, KS 1/  
2015 DATA

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

| NAME                     | GENETIC<br>COLOR | SPRING<br>GREENUP | LEAF<br>TEXTURE | BROWN<br>PATCH<br>WARM TEMP. | FALL<br>COLOR<br>DECEMBER | QUALITY RATINGS |     |      |      |      |      | MEAN |     |
|--------------------------|------------------|-------------------|-----------------|------------------------------|---------------------------|-----------------|-----|------|------|------|------|------|-----|
|                          |                  |                   |                 |                              |                           | APR             | MAY | JUN  | JUL  | AUG  | SEP  |      | OCT |
| W41                      | 7.0              | 4.3               | 6.3             | 6.0                          | 5.0                       | 4.7             | 6.3 | 5.7  | 4.0  | 6.0  | 4.3  | 5.7  | 5.2 |
| BAR FA 121089            | 6.0              | 4.7               | 6.3             | 6.3                          | 5.0                       | 5.7             | 6.3 | 6.3  | 4.7  | 4.7  | 3.0  | 5.0  | 5.1 |
| IS-TF 269 SEL            | 7.0              | 4.0               | 6.3             | 6.0                          | 4.7                       | 4.7             | 6.7 | 5.7  | 4.7  | 4.0  | 4.3  | 5.7  | 5.1 |
| NIGHTCRAWLER (IS-TF 285) | 7.0              | 4.7               | 6.7             | 6.7                          | 4.0                       | 5.0             | 7.3 | 6.7  | 5.3  | 3.7  | 2.7  | 5.0  | 5.1 |
| JS 818                   | 6.3              | 4.3               | 6.3             | 6.7                          | 4.0                       | 5.7             | 6.3 | 6.0  | 4.3  | 4.3  | 3.3  | 5.7  | 5.1 |
| PST-5DZP                 | 6.3              | 4.7               | 6.3             | 6.0                          | 4.0                       | 5.7             | 7.0 | 5.3  | 4.3  | 4.7  | 3.0  | 5.7  | 5.1 |
| RAD-TF-92                | 5.7              | 4.3               | 6.7             | 6.3                          | 5.0                       | 4.7             | 6.3 | 5.7  | 4.7  | 4.7  | 4.7  | 5.3  | 5.1 |
| RAIN DANCE (PST-5SDT)    | 5.3              | 5.3               | 5.7             | 5.7                          | 4.0                       | 5.7             | 6.0 | 6.0  | 4.3  | 4.0  | 4.0  | 5.7  | 5.1 |
| XTENDER (PPG-TF-139)     | 6.7              | 4.7               | 6.7             | 6.7                          | 4.7                       | 5.3             | 6.7 | 6.0  | 5.7  | 4.0  | 3.0  | 5.3  | 5.1 |
| ANNIHILATOR              | 6.3              | 4.0               | 6.3             | 5.7                          | 4.3                       | 5.0             | 6.0 | 5.3  | 4.0  | 5.0  | 3.7  | 5.7  | 5.0 |
| COMP. RES. SST           | 5.7              | 4.3               | 7.3             | 5.0                          | 4.7                       | 5.3             | 6.0 | 4.7  | 4.7  | 4.7  | 4.0  | 5.7  | 5.0 |
| INSPIRATION (PST-R5NW)   | 6.0              | 4.7               | 5.3             | 6.7                          | 4.0                       | 4.7             | 5.7 | 6.0  | 5.3  | 4.7  | 3.7  | 5.3  | 5.0 |
| RAD-TF-83                | 6.7              | 4.0               | 6.7             | 6.3                          | 5.0                       | 5.0             | 6.0 | 5.7  | 4.7  | 4.3  | 4.3  | 5.3  | 5.0 |
| TEMPTATION (OR-21)       | 7.7              | 4.7               | 6.0             | 5.7                          | 5.3                       | 5.3             | 6.3 | 6.3  | 4.0  | 4.0  | 3.7  | 5.0  | 5.0 |
| THUNDERSTRUCK (TD1)      | 6.7              | 5.3               | 6.0             | 5.0                          | 5.0                       | 5.7             | 6.7 | 5.3  | 4.0  | 4.7  | 3.3  | 5.7  | 5.0 |
| WARHAWK                  | 6.3              | 4.0               | 6.7             | 6.3                          | 4.3                       | 5.3             | 5.7 | 5.0  | 4.3  | 4.7  | 4.0  | 5.7  | 5.0 |
| BAR FA 121095            | 6.0              | 4.3               | 6.0             | 5.3                          | 3.7                       | 5.3             | 6.0 | 5.7  | 4.3  | 3.7  | 4.0  | 5.3  | 4.9 |
| K12-05                   | 6.3              | 4.0               | 6.0             | 6.7                          | 4.3                       | 4.7             | 6.3 | 5.3  | 5.0  | 3.7  | 4.0  | 5.3  | 4.9 |
| MARAUDER                 | 5.3              | 3.7               | 5.7             | 4.7                          | 4.7                       | 5.0             | 5.7 | 5.0  | 3.7  | 5.0  | 4.0  | 5.7  | 4.9 |
| BAR FA 120878            | 4.3              | 4.7               | 5.0             | 7.7                          | 4.0                       | 5.0             | 5.0 | 5.0  | 4.7  | 4.3  | 4.3  | 5.3  | 4.8 |
| IS-TF 272                | 7.3              | 4.3               | 7.0             | 6.3                          | 5.0                       | 5.0             | 6.0 | 6.0  | 5.0  | 3.7  | 3.0  | 5.0  | 4.8 |
| UNITUS (IS-TF 289)       | 7.0              | 4.0               | 6.3             | 4.7                          | 4.7                       | 4.7             | 5.7 | 6.3  | 3.7  | 4.0  | 3.7  | 5.3  | 4.8 |
| JS 809                   | 6.3              | 4.3               | 6.3             | 4.3                          | 4.0                       | 6.0             | 6.3 | 5.7  | 3.3  | 4.0  | 2.7  | 5.3  | 4.8 |
| 204 RES. BLK4            | 5.3              | 4.0               | 7.0             | 5.3                          | 4.3                       | 4.7             | 6.0 | 4.3  | 4.0  | 4.3  | 3.3  | 6.0  | 4.7 |
| K12-13                   | 7.0              | 3.3               | 6.0             | 6.3                          | 4.0                       | 4.3             | 5.7 | 5.3  | 5.0  | 3.7  | 3.7  | 5.3  | 4.7 |
| KY-31                    | 3.0              | 5.0               | 3.3             | 7.7                          | 4.0                       | 4.0             | 4.0 | 3.7  | 3.7  | 3.0  | 4.0  | 4.0  | 3.8 |
| LSD VALUE                | 1.0              | 1.5               | 1.1             | 2.7                          | 0.9                       | 2.0             | 1.1 | 1.2  | 1.7  | 1.8  | 2.2  | 1.0  | 0.5 |
| C.V. (%)                 | 9.9              | 13.3              | 9.5             | 17.0                         | 11.0                      | 14.0            | 8.9 | 10.8 | 16.3 | 17.3 | 20.1 | 9.2  | 5.8 |

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

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

TABLE 17.

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS  
FOR BROWN PATCH STUDY AT LEXINGTON, KY 1/  
2015 DATA

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

| NAME                        | BROWN PATCH<br>(WARM TEMP.) | NAME                         | BROWN PATCH<br>(WARM TEMP.) |
|-----------------------------|-----------------------------|------------------------------|-----------------------------|
| F711                        | 8.0                         | ATF 1704                     | 7                           |
| GTO (BURL TF-2)             | 8.0                         | BLACK TAIL (PPG-TF-150)      | 7                           |
| TECHNIQUE (RZ2)             | 8.0                         | BULLSEYE                     | 7                           |
| FAYETTE (IS-TF 291)         | 7.7                         | CAESAR (TY 10)               | 7                           |
| MET 1                       | 7.7                         | CATALYST                     | 7                           |
| BLOODHOUND (MET 6 SEL)      | 7.7                         | AMITY (CCR2)                 | 7                           |
| PARAMOUNT (PPG-TF-137)      | 7.7                         | COMP. RES. SST               | 7                           |
| PSG-PO1                     | 7.7                         | DIABLO (IS-TF 330)           | 7                           |
| PST-5BRK                    | 7.7                         | FALCON IV                    | 7                           |
| RAPTOR III (ZW 44)          | 7.7                         | FESNOVA                      | 7                           |
| REFLECTION (U45)            | 7.7                         | FIRECRACKER SLS (PPG-TF-105) | 7                           |
| ROWDY (SRX-TPC)             | 7.7                         | FOXHOUND (IS-TF 284 M2)      | 7                           |
| ARES (PPG-TF-142)           | 7.3                         | FRONTLINE (EXP TF-09)        | 7                           |
| ATF 1754                    | 7.3                         | MEMPHIS (GO-DFR)             | 7                           |
| AVENGER II (PPG-TF-156)     | 7.3                         | HEMI                         | 7                           |
| B23                         | 7.3                         | HOVER (BURL TF-69)           | 7                           |
| BIZEM                       | 7.3                         | INSPIRATION (PST-R5NW)       | 7                           |
| DYNAMITE LS (PPG-TF-145)    | 7.3                         | IS-TF 272                    | 7                           |
| EMBRACE (PST-5EV2)          | 7.3                         | RHIZING MOON (IS-TF 305 SEL) | 7                           |
| FAITH                       | 7.3                         | JS 819                       | 7                           |
| FALCON V                    | 7.3                         | JS 825                       | 7                           |
| FIREBIRD 2                  | 7.3                         | JS 916                       | 7                           |
| FIREWALL (PSG-WE1)          | 7.3                         | K12-MCD                      | 7                           |
| GRANDE 3                    | 7.3                         | KINGDOM (DB1)                | 7                           |
| HOT ROD (BURL TF-136)       | 7.3                         | KY-31                        | 7                           |
| IS-TF 269 SEL               | 7.3                         | LEONARDO (LTP-FSD)           | 7                           |
| IS-TF 276 M2                | 7.3                         | MET-3                        | 7                           |
| NIGHTCRAWLER (IS-TF 285)    | 7.3                         | MICHELANGELO (LTP-F5DPDR)    | 7                           |
| UNITUS (IS-TF 289)          | 7.3                         | PPG-TF-115                   | 7                           |
| HOUND08 (IS-TF 307 SEL)     | 7.3                         | PPG-TF-135                   | 7                           |
| IS-TF 308 SEL               | 7.3                         | WICHITA (PPG-TF-151)         | 7                           |
| CROSSFIRE 4 (IS-TF 310 SEL) | 7.3                         | 'SUPERSONIC (PPG-TF-170)     | 7                           |
| IS-TF 311                   | 7.3                         | PSG-8BP2                     | 7                           |
| IS-TF-287                   | 7.3                         | PSG-GSD                      | 7                           |
| MAESTRO (T31)               | 7.3                         | PSG-TT4                      | 7                           |
| MERIDIAN (PST-5GRB)         | 7.3                         | PST-5BPO                     | 7                           |
| REBOUNDER (PICK-W43)        | 7.3                         | PST-5DZP                     | 7                           |
| PPG-TF-138                  | 7.3                         | PST-5EX2                     | 7                           |
| PPG-TF-169                  | 7.3                         | PST-5MVD                     | 7                           |
| VALKYRIE LS (PPG-TF-172)    | 7.3                         | RAD-TF-83                    | 7                           |
| RAIN DANCE (PST-5SDT)       | 7.3                         | OLYMPUS (RAD-TF-88)          | 7                           |
| SWAGGER (PST-5R05)          | 7.3                         | RAD-TF-89                    | 7                           |
| TEMPLE (DZ1)                | 7.3                         | RAD-TF-92                    | 7                           |
| 204 RES. BLK4               | 7.0                         | REGENERATE                   | 7                           |
| 4TH MILLENNIUM SRP (U43)    | 7.0                         | RHAMBLER 2 SRP (LSD)         | 7                           |

TABLE 17. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) FOR BROWN PATCH STUDY AT LEXINGTON, KY 1/  
 2015 DATA

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

| NAME                      | BROWN PATCH<br>(WARM TEMP.) |
|---------------------------|-----------------------------|
| ROCKWELL (LTP-TWUU)       | 7.0                         |
| SALTILLO (PST-5SALT)      | 7.0                         |
| SCREAMER LS (PPG-TF-148)  | 7.0                         |
| TEMPTATION (OR-21)        | 7.0                         |
| TERRANO                   | 7.0                         |
| THOR (PPG-TF-157)         | 7.0                         |
| THUNDERSTRUCK (TD1)       | 7.0                         |
| TRAVERSE 2 SRP (W45)      | 7.0                         |
| TURFWAY (IS-TF 282 M2)    | 7.0                         |
| W41                       | 7.0                         |
| XTENDER (PPG-TF-139)      | 7.0                         |
| ANNIHILATOR               | 6.7                         |
| ATF 1612                  | 6.7                         |
| ATF 1736                  | 6.7                         |
| BAR FA 120878             | 6.7                         |
| BAR FA 121095             | 6.7                         |
| JS 809                    | 6.7                         |
| JS 818                    | 6.7                         |
| K12-05                    | 6.7                         |
| MARAUDER                  | 6.7                         |
| TITANIUM 2LS (PPG-TF-152) | 6.7                         |
| AQUADUCT                  | 6.3                         |
| BAR FA 121089             | 6.3                         |
| K12-13                    | 6.3                         |
| WARHAWK                   | 6.3                         |
| BAR FA 121091             | 6.0                         |
| LSD VALUE                 | 0.7                         |
| C.V. (%)                  | 5.4                         |

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

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

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/  
2015 DATA

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

| NAME                         | GENETIC<br>COLOR | SPRING<br>GREENUP | QUALITY RATINGS |     |     |     |     |     |     | MEAN |
|------------------------------|------------------|-------------------|-----------------|-----|-----|-----|-----|-----|-----|------|
|                              |                  |                   | MAY             | JUN | JUL | AUG | SEP | OCT |     |      |
| THUNDERSTRUCK (TD1)          | 7.0              | 8.0               | 7.3             | 7.7 | 6.0 | 6.0 | 5.3 | 4.3 | 6.1 |      |
| REGENERATE                   | 6.0              | 7.0               | 7.0             | 6.7 | 5.3 | 5.7 | 6.3 | 5.0 | 6.0 |      |
| REBOUNDER (PICK-W43)         | 6.0              | 6.7               | 6.7             | 6.3 | 5.0 | 5.3 | 6.3 | 5.7 | 5.9 |      |
| RAPTOR III (ZW 44)           | 6.7              | 7.0               | 7.0             | 7.0 | 5.7 | 4.7 | 5.7 | 5.3 | 5.9 |      |
| TURFWAY (IS-TF 282 M2)       | 6.7              | 7.3               | 7.3             | 6.3 | 6.0 | 5.3 | 5.7 | 5.0 | 5.9 |      |
| AVENGER II (PPG-TF-156)      | 5.7              | 6.7               | 6.7             | 6.7 | 5.3 | 5.0 | 5.3 | 5.7 | 5.8 |      |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 6.3              | 7.0               | 7.3             | 6.3 | 5.7 | 5.3 | 5.0 | 5.0 | 5.8 |      |
| MET 1                        | 6.7              | 7.3               | 6.0             | 6.0 | 5.7 | 5.7 | 6.0 | 5.3 | 5.8 |      |
| IS-TF 269 SEL                | 6.3              | 6.7               | 6.3             | 6.0 | 5.3 | 6.0 | 5.3 | 5.0 | 5.7 |      |
| IS-TF 272                    | 7.3              | 6.3               | 7.3             | 6.0 | 6.0 | 5.3 | 5.3 | 4.3 | 5.7 |      |
| UNITUS (IS-TF 289)           | 6.7              | 5.3               | 7.3             | 6.7 | 5.0 | 5.0 | 5.3 | 4.7 | 5.7 |      |
| B23                          | 6.0              | 6.7               | 7.0             | 6.7 | 5.0 | 4.7 | 5.0 | 5.0 | 5.6 |      |
| AMITY (CCR2)                 | 6.0              | 7.0               | 6.0             | 6.0 | 5.0 | 5.3 | 6.0 | 5.3 | 5.6 |      |
| FAYETTE (IS-TF 291)          | 6.0              | 6.0               | 6.0             | 5.7 | 5.0 | 5.3 | 6.0 | 5.3 | 5.6 |      |
| FOXHOUND (IS-TF 284 M2)      | 7.0              | 6.7               | 7.0             | 6.0 | 5.7 | 4.7 | 5.3 | 4.7 | 5.6 |      |
| HOT ROD (BURL TF-136)        | 6.3              | 6.3               | 7.0             | 6.3 | 5.3 | 5.3 | 5.3 | 4.3 | 5.6 |      |
| HOVER (BURL TF-69)           | 6.0              | 7.0               | 6.7             | 6.7 | 5.0 | 5.0 | 5.3 | 5.0 | 5.6 |      |
| HOUNDG8 (IS-TF 307 SEL)      | 6.7              | 7.0               | 7.3             | 5.7 | 5.7 | 5.3 | 5.0 | 4.3 | 5.6 |      |
| KINGDOM (DB1)                | 7.0              | 6.3               | 7.0             | 6.7 | 5.0 | 5.3 | 5.3 | 4.3 | 5.6 |      |
| MET-3                        | 6.0              | 7.7               | 5.7             | 5.3 | 5.3 | 6.0 | 6.0 | 5.3 | 5.6 |      |
| TRAVERSE 2 SRP (W45)         | 6.0              | 7.0               | 7.3             | 5.7 | 4.7 | 5.0 | 6.0 | 5.0 | 5.6 |      |
| 4TH MILLENNIUM SRP (U43)     | 6.0              | 6.7               | 5.7             | 5.7 | 5.0 | 5.0 | 6.0 | 5.7 | 5.5 |      |
| DIABLO (IS-TF 330)           | 7.0              | 7.0               | 7.0             | 6.0 | 5.3 | 5.0 | 5.3 | 4.3 | 5.5 |      |
| PARAMOUNT (PPG-TF-137)       | 6.0              | 6.3               | 6.0             | 6.0 | 5.3 | 5.3 | 5.7 | 4.7 | 5.5 |      |
| VALKYRIE LS (PPG-TF-172)     | 6.0              | 6.0               | 6.3             | 6.0 | 5.3 | 5.0 | 5.7 | 4.7 | 5.5 |      |
| RAD-TF-92                    | 6.0              | 6.7               | 6.7             | 5.7 | 5.3 | 5.3 | 5.3 | 4.7 | 5.5 |      |
| REFLECTION (U45)             | 6.0              | 6.7               | 7.3             | 5.7 | 4.7 | 5.0 | 5.7 | 4.7 | 5.5 |      |
| ARES (PPG-TF-142)            | 7.0              | 6.3               | 6.3             | 5.7 | 5.7 | 5.0 | 5.3 | 4.3 | 5.4 |      |
| BIZEM                        | 6.0              | 7.3               | 6.3             | 6.0 | 5.3 | 5.0 | 5.3 | 4.7 | 5.4 |      |
| CATALYST                     | 6.0              | 6.3               | 5.7             | 5.3 | 5.0 | 5.3 | 6.0 | 5.3 | 5.4 |      |
| F711                         | 6.0              | 6.7               | 5.7             | 5.7 | 5.0 | 5.3 | 5.7 | 5.0 | 5.4 |      |
| FIREBIRD 2                   | 6.0              | 7.3               | 6.3             | 5.7 | 5.0 | 5.7 | 5.3 | 4.3 | 5.4 |      |
| FIREWALL (PSG-WE1)           | 6.0              | 7.0               | 6.0             | 5.3 | 5.3 | 5.7 | 5.7 | 4.7 | 5.4 |      |
| K12-05                       | 6.0              | 6.3               | 7.0             | 5.3 | 5.0 | 5.3 | 5.7 | 4.3 | 5.4 |      |
| K12-13                       | 6.0              | 6.3               | 7.3             | 6.7 | 4.3 | 5.0 | 5.3 | 4.0 | 5.4 |      |
| K12-MCD                      | 6.0              | 6.7               | 5.7             | 6.0 | 5.0 | 5.3 | 5.7 | 4.7 | 5.4 |      |
| TEMPTATION (OR-21)           | 7.3              | 6.7               | 6.7             | 6.0 | 5.3 | 5.0 | 5.0 | 4.7 | 5.4 |      |
| THOR (PPG-TF-157)            | 6.3              | 7.3               | 6.3             | 6.3 | 5.3 | 5.0 | 5.0 | 4.7 | 5.4 |      |
| 204 RES. BLK4                | 6.0              | 6.0               | 4.7             | 5.3 | 5.3 | 6.0 | 5.7 | 5.0 | 5.3 |      |
| DYNAMITE LS (PPG-TF-145)     | 7.0              | 6.7               | 6.7             | 6.7 | 5.3 | 4.7 | 4.7 | 4.0 | 5.3 |      |
| FESNOVA                      | 6.7              | 6.7               | 6.0             | 5.7 | 5.0 | 4.7 | 5.7 | 5.0 | 5.3 |      |
| FIRECRACKER SLS (PPG-TF-105) | 6.0              | 6.3               | 6.7             | 6.0 | 5.0 | 5.0 | 5.0 | 4.3 | 5.3 |      |
| IS-TF 276 M2                 | 6.3              | 6.0               | 5.7             | 5.7 | 5.3 | 5.3 | 5.0 | 5.0 | 5.3 |      |
| NIGHTCRAWLER (IS-TF 285)     | 6.0              | 6.3               | 6.3             | 5.7 | 5.3 | 5.0 | 5.0 | 4.7 | 5.3 |      |
| LEONARDO (LTP-FSD)           | 6.0              | 6.7               | 6.3             | 5.7 | 5.0 | 5.0 | 5.3 | 4.3 | 5.3 |      |

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/  
2015 DATA

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

| NAME                         | GENETIC<br>COLOR | SPRING<br>GREENUP | QUALITY RATINGS |     |     |     |     |     | MEAN |
|------------------------------|------------------|-------------------|-----------------|-----|-----|-----|-----|-----|------|
|                              |                  |                   | MAY             | JUN | JUL | AUG | SEP | OCT |      |
| BLOODHOUND (MET 6 SEL)       | 5.7              | 7.0               | 5.3             | 6.0 | 5.0 | 5.3 | 5.7 | 4.7 | 5.3  |
| PPG-TF-138                   | 6.0              | 6.7               | 6.7             | 5.3 | 5.0 | 5.0 | 5.0 | 4.7 | 5.3  |
| 'SUPERSONIC (PPG-TF-170)     | 6.0              | 7.0               | 5.7             | 5.3 | 5.3 | 5.3 | 5.3 | 4.7 | 5.3  |
| PSG-P01                      | 6.0              | 6.7               | 6.3             | 5.3 | 5.0 | 5.0 | 5.7 | 4.7 | 5.3  |
| RAD-TF-83                    | 6.3              | 7.0               | 6.0             | 6.3 | 5.0 | 5.0 | 5.3 | 4.3 | 5.3  |
| RAD-TF-89                    | 6.0              | 6.0               | 6.3             | 5.7 | 5.0 | 5.3 | 5.3 | 4.3 | 5.3  |
| RHAMBLER 2 SRP (LSD)         | 6.0              | 6.0               | 6.3             | 5.7 | 5.0 | 5.0 | 5.0 | 4.7 | 5.3  |
| TECHNIQUE (RZ2)              | 6.0              | 7.0               | 6.3             | 6.3 | 5.0 | 4.7 | 5.0 | 4.7 | 5.3  |
| TITANIUM 2LS (PPG-TF-152)    | 6.0              | 6.7               | 6.3             | 5.7 | 5.0 | 5.0 | 5.0 | 4.7 | 5.3  |
| BULLSEYE                     | 5.7              | 7.0               | 6.0             | 5.3 | 4.7 | 5.0 | 5.7 | 4.7 | 5.2  |
| EMBRACE (PST-5EV2)           | 5.7              | 6.7               | 5.3             | 6.0 | 5.0 | 5.0 | 5.3 | 4.7 | 5.2  |
| FAITH                        | 6.0              | 6.7               | 4.7             | 5.3 | 5.3 | 5.3 | 6.0 | 4.7 | 5.2  |
| GRANDE 3                     | 5.3              | 6.3               | 5.0             | 5.0 | 4.7 | 5.7 | 5.7 | 5.0 | 5.2  |
| GTO (BURL TF-2)              | 6.0              | 6.7               | 5.7             | 5.3 | 4.7 | 5.0 | 5.3 | 5.0 | 5.2  |
| IS-TF 308 SEL                | 6.0              | 6.3               | 6.0             | 6.0 | 5.0 | 5.0 | 5.0 | 4.3 | 5.2  |
| IS-TF-287                    | 6.0              | 7.7               | 6.3             | 5.7 | 4.7 | 4.7 | 5.3 | 4.3 | 5.2  |
| JS 916                       | 6.0              | 6.7               | 6.7             | 5.0 | 5.3 | 5.0 | 5.0 | 4.3 | 5.2  |
| MICHELANGELO (LTP-F5DPDR)    | 6.0              | 6.0               | 5.7             | 5.0 | 5.3 | 5.7 | 5.0 | 4.7 | 5.2  |
| PPG-TF-135                   | 5.7              | 6.7               | 5.3             | 5.0 | 5.3 | 6.0 | 5.7 | 4.0 | 5.2  |
| PST-5DZP                     | 6.0              | 6.3               | 6.3             | 5.3 | 5.3 | 5.0 | 5.0 | 4.0 | 5.2  |
| OLYMPUS (RAD-TF-88)          | 6.0              | 5.7               | 6.0             | 6.0 | 4.7 | 4.7 | 5.3 | 4.3 | 5.2  |
| ROWDY (SRX-TPC)              | 6.0              | 5.7               | 6.3             | 5.3 | 5.0 | 5.0 | 5.0 | 4.3 | 5.2  |
| W41                          | 6.0              | 6.0               | 5.0             | 5.3 | 5.3 | 5.3 | 6.0 | 4.3 | 5.2  |
| XTENDER (PPG-TF-139)         | 6.0              | 6.3               | 6.0             | 5.3 | 5.0 | 5.0 | 5.7 | 4.0 | 5.2  |
| COMP. RES. SST               | 5.7              | 5.7               | 5.0             | 5.0 | 5.3 | 5.7 | 5.7 | 4.0 | 5.1  |
| MEMPHIS (GO-DFR)             | 6.3              | 5.7               | 4.7             | 4.7 | 5.7 | 5.7 | 5.7 | 4.3 | 5.1  |
| RHIZING MOON (IS-TF 305 SEL) | 6.0              | 6.7               | 6.0             | 5.7 | 4.7 | 4.7 | 5.0 | 4.7 | 5.1  |
| WICHITA (PPG-TF-151)         | 6.0              | 6.3               | 6.7             | 5.0 | 5.0 | 4.7 | 5.0 | 4.0 | 5.1  |
| PPG-TF-169                   | 5.3              | 7.3               | 4.7             | 5.3 | 4.7 | 5.3 | 5.7 | 5.0 | 5.1  |
| PST-5BRK                     | 6.0              | 6.0               | 5.3             | 6.0 | 5.0 | 4.7 | 5.3 | 4.3 | 5.1  |
| TEMPLE (DZ1)                 | 6.0              | 7.0               | 5.3             | 5.3 | 5.0 | 5.0 | 5.3 | 4.3 | 5.1  |
| ATF 1704                     | 5.7              | 6.7               | 5.0             | 5.0 | 4.7 | 5.0 | 5.7 | 4.7 | 5.0  |
| CAESAR (TY 10)               | 6.0              | 6.0               | 5.3             | 4.7 | 5.0 | 5.0 | 5.3 | 4.7 | 5.0  |
| SWAGGER (PST-5R05)           | 6.0              | 6.3               | 5.7             | 5.7 | 5.0 | 4.7 | 5.3 | 3.7 | 5.0  |
| ATF 1612                     | 5.7              | 6.7               | 5.7             | 5.7 | 4.3 | 4.3 | 5.3 | 4.3 | 4.9  |
| BAR FA 121091                | 6.0              | 5.7               | 5.3             | 5.7 | 5.0 | 5.0 | 4.7 | 3.7 | 4.9  |
| BAR FA 121095                | 6.0              | 6.3               | 6.3             | 5.0 | 5.0 | 4.7 | 4.3 | 4.3 | 4.9  |
| FALCON V                     | 6.0              | 6.7               | 5.0             | 5.0 | 4.7 | 5.0 | 5.0 | 4.7 | 4.9  |
| HEMI                         | 5.7              | 7.0               | 5.7             | 5.3 | 5.0 | 5.0 | 4.7 | 3.7 | 4.9  |
| JS 809                       | 6.0              | 6.0               | 5.7             | 5.0 | 4.7 | 4.7 | 5.0 | 4.3 | 4.9  |
| JS 825                       | 6.3              | 5.3               | 5.3             | 6.0 | 4.7 | 4.7 | 5.0 | 3.7 | 4.9  |
| MAESTRO (T31)                | 6.0              | 5.7               | 4.7             | 4.7 | 5.0 | 5.0 | 5.3 | 4.7 | 4.9  |
| ROCKWELL (LTP-TWUU)          | 6.0              | 7.0               | 5.0             | 5.7 | 4.7 | 5.7 | 4.7 | 4.0 | 4.9  |
| SCREAMER LS (PPG-TF-148)     | 6.0              | 7.0               | 4.7             | 4.7 | 5.0 | 5.0 | 5.7 | 4.7 | 4.9  |
| BLACK TAIL (PPG-TF-150)      | 5.7              | 7.0               | 4.7             | 5.3 | 4.7 | 5.0 | 5.0 | 4.3 | 4.8  |



TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/  
2015 DATA

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

| NAME                   | GENETIC<br>COLOR | SPRING<br>GREENUP | MAY  | JUN  | QUALITY RATINGS |      |      |      | MEAN |
|------------------------|------------------|-------------------|------|------|-----------------|------|------|------|------|
|                        |                  |                   |      |      | JUL             | AUG  | SEP  | OCT  |      |
| FALCON IV              | 5.7              | 7.3               | 5.0  | 5.3  | 4.7             | 5.0  | 4.7  | 4.0  | 4.8  |
| INSPIRATION (PST-R5NW) | 6.7              | 6.3               | 5.3  | 4.7  | 5.0             | 4.7  | 4.7  | 4.7  | 4.8  |
| IS-TF 311              | 6.0              | 6.3               | 5.3  | 4.3  | 5.0             | 5.0  | 5.3  | 4.0  | 4.8  |
| JS 818                 | 6.3              | 6.7               | 6.3  | 5.3  | 4.3             | 4.3  | 4.7  | 4.0  | 4.8  |
| JS 819                 | 6.3              | 6.3               | 5.7  | 5.0  | 5.0             | 4.7  | 4.7  | 3.7  | 4.8  |
| PPG-TF-115             | 6.0              | 6.0               | 6.0  | 4.3  | 5.0             | 5.0  | 5.0  | 3.7  | 4.8  |
| PST-5BPO               | 6.0              | 6.3               | 4.3  | 5.0  | 5.0             | 5.3  | 5.0  | 4.0  | 4.8  |
| TERRANO                | 6.0              | 6.3               | 5.3  | 4.3  | 5.0             | 4.7  | 5.3  | 4.3  | 4.8  |
| WARHAWK                | 6.0              | 6.3               | 5.3  | 4.7  | 5.0             | 5.0  | 4.7  | 4.0  | 4.8  |
| ATF 1736               | 6.0              | 5.7               | 5.0  | 4.7  | 5.0             | 5.0  | 5.0  | 3.7  | 4.7  |
| ATF 1754               | 5.7              | 6.7               | 4.7  | 4.7  | 5.0             | 5.0  | 5.0  | 4.0  | 4.7  |
| MARAUDER               | 6.0              | 6.0               | 4.7  | 4.3  | 5.0             | 4.7  | 5.3  | 3.7  | 4.6  |
| MERIDIAN (PST-5GRB)    | 5.0              | 6.3               | 6.0  | 5.3  | 4.7             | 4.3  | 4.3  | 2.7  | 4.6  |
| PSG-8BP2               | 6.0              | 5.7               | 4.7  | 4.7  | 5.0             | 5.0  | 4.7  | 3.7  | 4.6  |
| PSG-TT4                | 5.7              | 6.3               | 5.3  | 4.3  | 5.0             | 4.7  | 4.3  | 3.7  | 4.6  |
| PST-5MVD               | 6.0              | 6.7               | 4.7  | 4.3  | 4.7             | 5.0  | 5.0  | 3.7  | 4.6  |
| RAIN DANCE (PST-5SDT)  | 5.7              | 5.7               | 4.3  | 5.0  | 4.7             | 5.0  | 4.7  | 4.0  | 4.6  |
| ANNIHILATOR            | 6.0              | 5.7               | 4.7  | 4.3  | 4.7             | 5.3  | 4.3  | 3.0  | 4.4  |
| FRONTLINE (EXP TF-09)  | 6.0              | 6.0               | 4.3  | 4.3  | 4.3             | 5.0  | 4.3  | 4.0  | 4.4  |
| PSG-GSD                | 5.3              | 6.7               | 5.0  | 4.3  | 4.7             | 5.0  | 4.3  | 3.3  | 4.4  |
| SALTILLO (PST-5SALT)   | 5.3              | 5.7               | 4.3  | 4.3  | 4.3             | 5.0  | 4.7  | 4.0  | 4.4  |
| BAR FA 121089          | 5.7              | 5.7               | 4.3  | 5.3  | 4.0             | 4.0  | 4.7  | 3.3  | 4.3  |
| PST-5EX2               | 6.0              | 6.7               | 3.7  | 3.7  | 4.3             | 4.3  | 5.0  | 5.0  | 4.3  |
| AQUADUCT               | 5.3              | 5.3               | 4.3  | 4.0  | 3.7             | 4.0  | 4.7  | 3.7  | 4.1  |
| BAR FA 120878          | 4.3              | 6.0               | 2.7  | 3.3  | 3.3             | 4.3  | 3.7  | 3.7  | 3.5  |
| KY-31                  | 3.7              | 6.0               | 1.0  | 2.3  | 2.0             | 2.0  | 1.7  | 2.7  | 1.9  |
| LSD VALUE              | 0.7              | 1.7               | 1.7  | 1.8  | 0.9             | 1.1  | 1.1  | 1.1  | 0.7  |
| C.V. (%)               | 6.7              | 11.2              | 17.4 | 17.0 | 10.1            | 11.2 | 11.5 | 14.0 | 8.3  |

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

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

TABLE 19. RHIZOME COUNTS AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
FOR SPREAD STUDY AT LOGAN, UT 1/  
2015 DATA

| NAME                         | HOLE DIAMETER MEASURED IN SQ. CM 2/ |                           |                           |                         |                         |
|------------------------------|-------------------------------------|---------------------------|---------------------------|-------------------------|-------------------------|
|                              | RHIZOMES<br>COUNTS                  | SPRING HOLE<br>DIAMETER 1 | SPRING HOLE<br>DIAMETER 2 | FALL HOLE<br>DIAMETER 1 | FALL HOLE<br>DIAMETER 2 |
| GTO (BURL TF-2)              | 1.3                                 | 15.0                      | 15.0                      | 13.0                    | 15.3                    |
| COMP. RES. SST               | 0.3                                 | 15.7                      | 16.0                      | 13.7                    | 14.3                    |
| ARES (PPG-TF-142)            | 1.0                                 | 14.7                      | 16.0                      | 14.0                    | 14.0                    |
| BAR FA 121089                | 1.0                                 | 13.7                      | 14.3                      | 13.7                    | 14.0                    |
| CATALYST                     | 1.0                                 | 14.3                      | 14.0                      | 14.0                    | 14.0                    |
| FIREBIRD 2                   | 1.7                                 | 13.7                      | 14.7                      | 12.7                    | 14.0                    |
| IS-TF 269 SEL                | 0.7                                 | 14.3                      | 14.7                      | 14.0                    | 14.0                    |
| MAESTRO (T31)                | 0.3                                 | 14.3                      | 14.0                      | 13.0                    | 14.0                    |
| 204 RES. BLK4                | 0.7                                 | 13.3                      | 14.7                      | 12.3                    | 13.7                    |
| 4TH MILLENNIUM SRP (U43)     | 0.0                                 | 14.0                      | 13.3                      | 13.3                    | 13.7                    |
| AQUADUCT                     | 3.0                                 | 14.3                      | 13.7                      | 13.0                    | 13.7                    |
| B23                          | 0.3                                 | 15.0                      | 14.0                      | 13.0                    | 13.7                    |
| BIZEM                        | 2.3                                 | 15.0                      | 14.3                      | 14.0                    | 13.7                    |
| DYNAMITE LS (PPG-TF-145)     | 2.0                                 | 13.7                      | 14.3                      | 13.0                    | 13.7                    |
| FOXHOUD (IS-TF 284 M2)       | 1.0                                 | 15.0                      | 14.7                      | 12.0                    | 13.7                    |
| IS-TF 272                    | 0.3                                 | 14.0                      | 14.3                      | 12.7                    | 13.7                    |
| RHIZING MOON (IS-TF 305 SEL) | 1.7                                 | 13.7                      | 13.3                      | 12.7                    | 13.7                    |
| JS 819                       | 0.7                                 | 14.3                      | 14.0                      | 13.3                    | 13.7                    |
| JS 916                       | 2.3                                 | 14.3                      | 14.7                      | 13.3                    | 13.7                    |
| K12-13                       | 1.3                                 | 14.0                      | 14.0                      | 14.3                    | 13.7                    |
| MERIDIAN (PST-5GRB)          | 1.7                                 | 14.3                      | 13.7                      | 12.3                    | 13.7                    |
| MET 1                        | 2.0                                 | 13.3                      | 14.7                      | 13.7                    | 13.7                    |
| PST-5BRK                     | 1.7                                 | 14.7                      | 13.7                      | 13.0                    | 13.7                    |
| REGENERATE                   | 1.3                                 | 13.3                      | 13.7                      | 12.7                    | 13.7                    |
| SCREAMER LS (PPG-TF-148)     | 1.0                                 | 13.7                      | 14.0                      | 13.3                    | 13.7                    |
| WARHAWK                      | 1.7                                 | 13.0                      | 14.3                      | 12.7                    | 13.7                    |
| AVENGER II (PPG-TF-156)      | 1.3                                 | 13.7                      | 15.0                      | 13.0                    | 13.5                    |
| ANNIHILATOR                  | 1.3                                 | 14.7                      | 14.3                      | 14.0                    | 13.3                    |
| BAR FA 121091                | 1.7                                 | 14.0                      | 14.3                      | 13.7                    | 13.3                    |
| BAR FA 121095                | 0.3                                 | 14.3                      | 14.3                      | 13.0                    | 13.3                    |
| BULLSEYE                     | 1.0                                 | 14.0                      | 14.0                      | 12.7                    | 13.3                    |
| FAYETTE (IS-TF 291)          | 1.0                                 | 14.7                      | 14.7                      | 13.3                    | 13.3                    |
| MEMPHIS (GO-DFR)             | 1.0                                 | 14.0                      | 13.7                      | 12.3                    | 13.3                    |
| NIGHTCRAWLER (IS-TF 285)     | 2.0                                 | 14.7                      | 14.0                      | 12.7                    | 13.3                    |
| UNITUS (IS-TF 289)           | 1.7                                 | 15.0                      | 14.3                      | 13.3                    | 13.3                    |
| HOUND08 (IS-TF 307 SEL)      | 1.3                                 | 14.3                      | 14.3                      | 13.3                    | 13.3                    |
| KY-31                        | 3.7                                 | 15.0                      | 15.0                      | 13.0                    | 13.3                    |
| BLOODHOUND (MET 6 SEL)       | 1.0                                 | 14.3                      | 14.0                      | 14.3                    | 13.3                    |
| PPG-TF-135                   | 2.3                                 | 13.3                      | 14.0                      | 14.3                    | 13.3                    |
| PSG-8BP2                     | 2.3                                 | 14.3                      | 14.0                      | 13.7                    | 13.3                    |
| PSG-GSD                      | 1.3                                 | 13.3                      | 14.0                      | 13.7                    | 13.3                    |
| PSG-PO1                      | 0.7                                 | 14.0                      | 14.0                      | 13.7                    | 13.3                    |
| PST-5DZP                     | 2.3                                 | 13.3                      | 14.3                      | 12.0                    | 13.3                    |
| OLYMPUS (RAD-TF-88)          | 1.3                                 | 14.3                      | 14.7                      | 14.7                    | 13.3                    |

TABLE 19. RHIZOME COUNTS AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) FOR SPREAD STUDY AT LOGAN, UT 1/  
2015 DATA

HOLE DIAMETER MEASURED IN SQ. CM 2/

| NAME                         | RHIZOMES<br>COUNTS | SPRING HOLE<br>DIAMETER 1 | SPRING HOLE<br>DIAMETER 2 | FALL HOLE<br>DIAMETER 1 | FALL HOLE<br>DIAMETER 2 |
|------------------------------|--------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| REFLECTION (U45)             | 0.3                | 14.0                      | 14.3                      | 13.0                    | 13.3                    |
| RHAMBLER 2 SRP (LSD)         | 1.7                | 14.3                      | 14.3                      | 13.7                    | 13.3                    |
| SWAGGER (PST-5R05)           | 1.0                | 15.0                      | 13.7                      | 13.0                    | 13.3                    |
| TEMPLE (DZ1)                 | 1.3                | 15.0                      | 14.3                      | 13.0                    | 13.3                    |
| TEMPTATION (OR-21)           | 1.7                | 14.0                      | 13.3                      | 12.3                    | 13.3                    |
| THUNDERSTRUCK (TD1)          | 5.0                | 14.7                      | 14.3                      | 14.0                    | 13.3                    |
| W41                          | 2.0                | 14.0                      | 14.7                      | 14.0                    | 13.3                    |
| ATF 1612                     | 1.7                | 14.0                      | 13.7                      | 12.0                    | 13.0                    |
| ATF 1754                     | 2.7                | 14.0                      | 13.7                      | 13.7                    | 13.0                    |
| CAESAR (TY 10)               | 1.7                | 14.0                      | 14.7                      | 12.3                    | 13.0                    |
| AMITY (CCR2)                 | 0.3                | 13.0                      | 13.7                      | 12.3                    | 13.0                    |
| FESNOVA                      | 2.7                | 14.7                      | 14.3                      | 13.7                    | 13.0                    |
| FIRECRACKER SLS (PPG-TF-105) | 1.7                | 13.7                      | 14.0                      | 13.0                    | 13.0                    |
| FRONTLINE (EXP TF-09)        | 0.7                | 13.3                      | 14.3                      | 12.0                    | 13.0                    |
| HOVER (BURL TF-69)           | 1.7                | 14.7                      | 14.3                      | 12.7                    | 13.0                    |
| IS-TF 276 M2                 | 1.7                | 14.7                      | 13.3                      | 13.3                    | 13.0                    |
| IS-TF 308 SEL                | 1.7                | 14.0                      | 14.7                      | 14.0                    | 13.0                    |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 1.0                | 13.0                      | 14.0                      | 13.0                    | 13.0                    |
| IS-TF-287                    | 0.3                | 13.7                      | 13.3                      | 14.0                    | 13.0                    |
| KINGDOM (DB1)                | 2.7                | 13.7                      | 14.3                      | 12.3                    | 13.0                    |
| MARAUDER                     | 1.0                | 12.7                      | 13.7                      | 13.7                    | 13.0                    |
| WICHITA (PPG-TF-151)         | 5.0                | 13.3                      | 14.3                      | 12.7                    | 13.0                    |
| PPG-TF-169                   | 2.3                | 13.0                      | 14.3                      | 13.3                    | 13.0                    |
| PST-5EX2                     | 3.0                | 14.3                      | 13.7                      | 11.7                    | 13.0                    |
| PST-5MVD                     | 0.7                | 13.3                      | 14.0                      | 12.3                    | 13.0                    |
| RAD-TF-89                    | 1.3                | 14.0                      | 14.7                      | 13.0                    | 13.0                    |
| RAPTOR III (ZW 44)           | 1.3                | 14.0                      | 14.0                      | 13.0                    | 13.0                    |
| ROCKWELL (LTP-TWUU)          | 1.7                | 12.0                      | 14.7                      | 12.3                    | 13.0                    |
| TERRANO                      | 5.0                | 13.3                      | 14.0                      | 14.0                    | 13.0                    |
| TRAVERSE 2 SRP (W45)         | 0.7                | 14.0                      | 14.7                      | 12.3                    | 13.0                    |
| ATF 1704                     | 0.3                | 14.0                      | 15.7                      | 13.7                    | 12.7                    |
| BAR FA 120878                | 1.0                | 13.3                      | 13.3                      | 12.0                    | 12.7                    |
| BLACK TAIL (PPG-TF-150)      | 1.7                | 15.0                      | 14.7                      | 12.7                    | 12.7                    |
| DIABLO (IS-TF 330)           | 1.7                | 14.7                      | 13.7                      | 12.3                    | 12.7                    |
| F711                         | 1.7                | 14.0                      | 13.7                      | 14.3                    | 12.7                    |
| FALCON IV                    | 3.3                | 14.0                      | 15.0                      | 13.3                    | 12.7                    |
| FALCON V                     | 0.3                | 14.3                      | 14.3                      | 13.0                    | 12.7                    |
| GRANDE 3                     | 1.3                | 14.3                      | 13.3                      | 12.3                    | 12.7                    |
| HEMI                         | 1.3                | 13.7                      | 14.0                      | 13.3                    | 12.7                    |
| INSPIRATION (PST-R5NW)       | 1.3                | 14.0                      | 14.7                      | 12.3                    | 12.7                    |
| JS 825                       | 4.0                | 13.3                      | 15.3                      | 13.3                    | 12.7                    |
| K12-MCD                      | 1.0                | 14.0                      | 13.3                      | 13.0                    | 12.7                    |
| MET-3                        | 0.3                | 14.0                      | 13.0                      | 12.3                    | 12.7                    |
| PPG-TF-138                   | 1.3                | 14.3                      | 14.3                      | 12.7                    | 12.7                    |

TABLE 19. RHIZOME COUNTS AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) FOR SPREAD STUDY AT LOGAN, UT 1/  
2015 DATA

HOLE DIAMETER MEASURED IN SQ. CM 2/

| NAME                      | RHIZOMES<br>COUNTS | SPRING HOLE<br>DIAMETER 1 | SPRING HOLE<br>DIAMETER 2 | FALL HOLE<br>DIAMETER 1 | FALL HOLE<br>DIAMETER 2 |
|---------------------------|--------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| VALKYRIE LS (PPG-TF-172)  | 1.0                | 14.3                      | 14.0                      | 13.0                    | 12.7                    |
| TITANIUM 2LS (PPG-TF-152) | 1.7                | 14.0                      | 14.3                      | 12.0                    | 12.7                    |
| TURFWAY (IS-TF 282 M2)    | 2.0                | 14.0                      | 14.0                      | 13.0                    | 12.7                    |
| ATF 1736                  | 1.0                | 12.7                      | 14.3                      | 12.0                    | 12.3                    |
| EMBRACE (PST-5EV2)        | 2.7                | 14.0                      | 14.0                      | 13.7                    | 12.3                    |
| PARAMOUNT (PPG-TF-137)    | 1.0                | 14.0                      | 13.0                      | 12.7                    | 12.3                    |
| 'SUPERSONIC (PPG-TF-170)  | 1.0                | 13.7                      | 13.0                      | 12.3                    | 12.3                    |
| RAD-TF-83                 | 1.0                | 14.3                      | 15.3                      | 13.0                    | 12.3                    |
| RAD-TF-92                 | 0.7                | 13.7                      | 14.0                      | 13.5                    | 12.3                    |
| RAIN DANCE (PST-5SDT)     | 1.0                | 13.0                      | 13.7                      | 13.7                    | 12.3                    |
| ROWDY (SRX-TPC)           | 1.7                | 14.0                      | 13.7                      | 13.7                    | 12.3                    |
| FAITH                     | 2.3                | 14.0                      | 13.7                      | 13.0                    | 12.0                    |
| HOT ROD (BURL TF-136)     | 1.3                | 14.0                      | 15.0                      | 12.7                    | 12.0                    |
| IS-TF 311                 | 1.3                | 13.3                      | 14.0                      | 13.7                    | 12.0                    |
| JS 818                    | 3.0                | 15.0                      | 14.3                      | 15.0                    | 12.0                    |
| MICHELANGELO (LTP-F5DPDR) | 1.7                | 14.0                      | 14.0                      | 11.7                    | 12.0                    |
| REBOUNDER (PICK-W43)      | 1.0                | 14.0                      | 14.3                      | 13.0                    | 12.0                    |
| PSG-TT4                   | 1.0                | 14.7                      | 13.3                      | 12.3                    | 12.0                    |
| PST-5BPO                  | 1.0                | 13.0                      | 14.0                      | 12.3                    | 12.0                    |
| FIREWALL (PSG-WE1)        | 1.3                | 15.0                      | 15.0                      | 13.0                    | 11.7                    |
| K12-05                    | 3.7                | 14.0                      | 13.7                      | 13.3                    | 11.7                    |
| XTENDER (PPG-TF-139)      | 2.3                | 13.0                      | 13.3                      | 12.3                    | 11.7                    |
| LEONARDO (LTP-FSD)        | 2.3                | 13.0                      | 13.3                      | 11.3                    | 11.3                    |
| PPG-TF-115                | 3.3                | 12.7                      | 13.0                      | 12.0                    | 11.3                    |
| SALTILLO (PST-5SALT)      | 0.7                | 14.0                      | 14.3                      | 11.7                    | 11.3                    |
| TECHNIQUE (RZ2)           | 1.0                | 13.3                      | 14.0                      | 13.3                    | 11.3                    |
| THOR (PPG-TF-157)         | 1.0                | 14.3                      | 13.0                      | 12.0                    | 11.0                    |
| JS 809                    | 2.3                | 14.0                      | 13.3                      | 13.3                    | 10.7                    |
| LSD VALUE                 | 6.0                | 5.6                       | 4.7                       | 5.5                     | 5.6                     |
| C.V. (%)                  | 101.7              | 8.1                       | 7.3                       | 9.4                     | 9.8                     |

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

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

TABLE 20.

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                         | CT1 | CA3 | GA1 | IA1 | IL1 | IN1 | MO1 | MS1 | NC1 | NE1 | NJ2 | OK1 | TN1 | MEAN |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| TEMPTATION (OR-21)           | 8.3 | 8.0 | 5.7 | 7.3 | 6.3 | 7.7 | 6.7 | 6.7 | 9.0 | 6.0 | 8.7 | 8.0 | 8.0 | 7.4  |
| FOXHOUND (IS-TF 284 M2)      | 8.0 | 7.7 | 6.0 | 7.3 | 6.0 | 7.7 | 7.0 | 7.0 | 8.3 | 6.0 | 8.7 | 8.0 | 8.0 | 7.4  |
| THUNDERSTRUCK (TD1)          | 7.7 | 8.0 | 6.3 | 7.3 | 6.7 | 7.7 | 6.7 | 7.0 | 8.3 | 5.7 | 7.7 | 7.7 | 9.0 | 7.4  |
| ARES (PPG-TF-142)            | 8.7 | 8.0 | 6.3 | 7.3 | 7.0 | 6.7 | 6.7 | 7.0 | 8.3 | 6.0 | 7.3 | 8.0 | 8.0 | 7.3  |
| K12-05                       | 7.7 | 8.0 | 6.0 | 7.3 | 7.3 | 6.7 | 6.3 | 7.0 | 8.3 | 6.0 | 7.7 | 8.0 | 8.3 | 7.3  |
| KINGDOM (DB1)                | 7.7 | 8.0 | 6.0 | 7.7 | 6.7 | 7.7 | 6.3 | 7.0 | 8.3 | 6.0 | 7.7 | 7.7 | 8.0 | 7.3  |
| DIABLO (IS-TF 330)           | 7.7 | 8.0 | 6.0 | 7.7 | 7.0 | 7.7 | 6.7 | 6.0 | 8.3 | 6.0 | 7.3 | 8.0 | 8.3 | 7.3  |
| FAYETTE (IS-TF 291)          | 7.7 | 8.0 | 6.0 | 7.7 | 6.7 | 7.3 | 6.3 | 7.0 | 8.0 | 6.0 | 7.7 | 8.0 | 8.0 | 7.3  |
| CAESAR (TY 10)               | 7.7 | 7.7 | 5.7 | 7.3 | 7.0 | 7.7 | 6.3 | 6.7 | 8.3 | 6.0 | 7.7 | 8.0 | 8.0 | 7.2  |
| IS-TF 272                    | 8.0 | 8.0 | 5.3 | 7.7 | 5.7 | 7.7 | 7.0 | 6.7 | 8.0 | 6.0 | 7.7 | 8.0 | 8.3 | 7.2  |
| TURFWAY (IS-TF 282 M2)       | 7.3 | 8.0 | 6.0 | 7.0 | 7.0 | 7.7 | 6.0 | 6.0 | 8.0 | 6.0 | 8.7 | 8.0 | 8.0 | 7.2  |
| UNITUS (IS-TF 289)           | 8.0 | 8.0 | 6.0 | 7.3 | 6.0 | 7.7 | 6.0 | 7.0 | 8.0 | 6.0 | 7.7 | 8.0 | 8.0 | 7.2  |
| FRONTLINE (EXP TF-09)        | 7.0 | 8.0 | 6.0 | 7.0 | 7.0 | 7.7 | 6.3 | 6.3 | 8.7 | 5.7 | 7.7 | 8.0 | 8.0 | 7.2  |
| DYNAMITE LS (PPG-TF-145)     | 7.3 | 7.7 | 6.0 | 7.7 | 6.7 | 7.0 | 7.0 | 6.3 | 8.0 | 6.0 | 7.3 | 8.0 | 8.3 | 7.2  |
| HOUNDOG8 (IS-TF 307 SEL)     | 7.7 | 7.7 | 6.0 | 7.3 | 6.3 | 7.3 | 6.7 | 6.7 | 8.3 | 6.0 | 7.0 | 8.0 | 8.3 | 7.2  |
| IS-TF 269 SEL                | 7.3 | 7.7 | 6.0 | 7.3 | 6.7 | 7.7 | 5.7 | 6.3 | 8.3 | 6.0 | 7.7 | 8.0 | 8.3 | 7.2  |
| RAD-TF-89                    | 8.0 | 7.7 | 6.0 | 8.0 | 7.0 | 7.0 | 6.0 | 6.3 | 8.0 | 6.0 | 6.7 | 8.0 | 8.3 | 7.2  |
| THOR (PPG-TF-157)            | 7.7 | 7.7 | 6.0 | 7.7 | 6.7 | 7.3 | 6.0 | 6.7 | 8.0 | 6.0 | 7.0 | 8.0 | 8.3 | 7.2  |
| FIRECRACKER SLS (PPG-TF-105) | 7.3 | 8.0 | 5.7 | 7.7 | 7.0 | 8.3 | 6.0 | 6.0 | 8.3 | 6.0 | 6.0 | 7.7 | 8.7 | 7.1  |
| NIGHTCRAWLER (IS-TF 285)     | 8.0 | 8.0 | 5.3 | 7.0 | 6.7 | 7.3 | 6.0 | 6.7 | 8.0 | 6.0 | 7.7 | 8.0 | 8.0 | 7.1  |
| RHIZING MOON (IS-TF 305 SEL) | 7.7 | 8.0 | 5.3 | 7.3 | 6.0 | 7.3 | 6.3 | 6.3 | 8.0 | 6.0 | 7.7 | 8.0 | 8.3 | 7.1  |
| JS 818                       | 7.7 | 8.0 | 5.0 | 7.0 | 6.7 | 6.7 | 6.7 | 6.0 | 8.3 | 6.0 | 8.3 | 8.0 | 8.0 | 7.1  |
| K12-13                       | 7.3 | 8.0 | 6.0 | 7.3 | 6.7 | 7.0 | 5.7 | 6.3 | 8.0 | 6.0 | 7.7 | 8.0 | 8.0 | 7.1  |
| RAD-TF-83                    | 7.7 | 8.0 | 5.7 | 7.0 | 6.3 | 7.7 | 6.0 | 6.7 | 8.0 | 6.0 | 7.0 | 8.0 | 7.7 | 7.1  |
| MEMPHIS (GO-DFR)             | 7.7 | 8.0 | 6.3 | 7.0 | 6.7 | 7.3 | 5.7 | 6.0 | 8.0 | 5.7 | 7.0 | 8.0 | 8.3 | 7.1  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 8.0 | 8.0 | 5.7 | 7.0 | 6.7 | 7.3 | 6.0 | 6.3 | 8.0 | 5.7 | 6.3 | 8.0 | 8.0 | 7.0  |
| JS 809                       | 6.7 | 8.0 | 6.0 | 7.3 | 6.3 | 6.3 | 6.0 | 6.3 | 8.0 | 6.0 | 8.0 | 8.0 | 8.0 | 7.0  |
| TRAVERSE 2 SRP (W45)         | 6.7 | 7.3 | 6.0 | 8.0 | 6.0 | 7.7 | 6.7 | 6.3 | 8.0 | 6.0 | 5.7 | 8.0 | 8.7 | 7.0  |
| FAITH                        | 7.3 | 7.3 | 6.0 | 7.0 | 7.0 | 7.7 | 6.3 | 6.0 | 8.0 | 5.3 | 7.0 | 7.7 | 8.0 | 7.0  |
| IS-TF 276 M2                 | 6.7 | 7.7 | 5.7 | 7.3 | 6.3 | 7.3 | 5.7 | 6.3 | 8.0 | 6.0 | 7.7 | 8.0 | 8.0 | 7.0  |
| IS-TF 308 SEL                | 6.7 | 8.0 | 6.0 | 7.0 | 6.7 | 7.7 | 6.0 | 6.3 | 8.0 | 5.7 | 6.7 | 8.0 | 8.0 | 7.0  |
| OLYMPUS (RAD-TF-88)          | 7.7 | 7.7 | 5.7 | 7.0 | 7.0 | 7.0 | 6.0 | 6.3 | 8.0 | 6.0 | 6.3 | 8.0 | 8.0 | 7.0  |
| W41                          | 7.3 | 7.7 | 6.0 | 7.3 | 6.3 | 7.0 | 6.0 | 6.3 | 8.0 | 5.7 | 6.3 | 8.0 | 8.7 | 7.0  |
| BAR FA 121091                | 8.0 | 8.0 | 4.7 | 7.0 | 6.0 | 7.0 | 6.0 | 6.0 | 8.0 | 6.0 | 7.7 | 8.0 | 8.0 | 6.9  |
| FESNOVA                      | 6.7 | 8.0 | 5.3 | 7.7 | 7.3 | 6.3 | 5.7 | 6.3 | 8.0 | 6.0 | 6.3 | 8.0 | 8.7 | 6.9  |
| AMITY (CCR2)                 | 7.3 | 7.3 | 6.0 | 7.7 | 6.3 | 7.7 | 6.0 | 6.0 | 8.0 | 6.0 | 6.0 | 8.0 | 8.0 | 6.9  |
| JS 916                       | 7.3 | 8.0 | 6.0 | 7.3 | 6.0 | 7.0 | 6.7 | 6.0 | 8.0 | 6.0 | 5.7 | 8.0 | 8.3 | 6.9  |
| REBOUNDER (PICK-W43)         | 7.3 | 7.7 | 5.7 | 7.7 | 6.7 | 7.7 | 6.0 | 6.0 | 8.0 | 6.0 | 5.7 | 8.0 | 8.0 | 6.9  |
| TEMPLE (DZ1)                 | 7.3 | 8.0 | 6.0 | 7.7 | 6.0 | 6.3 | 6.0 | 6.3 | 8.0 | 6.0 | 6.3 | 8.0 | 8.3 | 6.9  |
| REFLECTION (U45)             | 7.7 | 7.3 | 5.7 | 7.7 | 6.3 | 7.7 | 6.0 | 6.0 | 8.0 | 6.0 | 5.0 | 8.0 | 8.7 | 6.9  |
| TITANIUM 2LS (PPG-TF-152)    | 7.0 | 8.0 | 6.3 | 7.0 | 6.0 | 7.7 | 6.3 | 6.0 | 8.0 | 6.0 | 5.3 | 8.0 | 8.3 | 6.9  |

TABLE 20. (CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                     | CT1 | CA3 | GA1 | IA1 | IL1 | IN1 | MO1 | MS1 | NC1 | NE1 | NJ2 | OK1 | TN1 | MEAN |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 4TH MILLENNIUM SRP (U43) | 7.3 | 7.7 | 6.0 | 7.7 | 6.0 | 7.3 | 6.3 | 6.0 | 7.7 | 5.7 | 5.3 | 8.0 | 8.7 | 6.9  |
| BIZEM                    | 7.0 | 7.7 | 6.0 | 8.0 | 6.3 | 7.0 | 6.0 | 6.0 | 8.0 | 5.7 | 6.0 | 8.0 | 8.0 | 6.9  |
| HOT ROD (BURL TF-136)    | 6.3 | 8.0 | 6.0 | 7.7 | 6.3 | 7.3 | 6.0 | 6.0 | 8.0 | 5.7 | 6.0 | 8.0 | 8.3 | 6.9  |
| PPG-TF-115               | 7.7 | 7.7 | 5.0 | 7.3 | 6.3 | 7.0 | 6.0 | 6.0 | 8.0 | 5.7 | 6.7 | 8.0 | 8.3 | 6.9  |
| RAD-TF-92                | 7.3 | 7.7 | 5.7 | 7.0 | 6.3 | 7.0 | 6.0 | 6.7 | 8.3 | 6.0 | 5.7 | 8.0 | 8.0 | 6.9  |
| XTENDER (PPG-TF-139)     | 6.3 | 7.3 | 6.0 | 7.7 | 6.7 | 7.3 | 5.7 | 6.3 | 8.0 | 5.7 | 6.0 | 8.0 | 8.7 | 6.9  |
| WICHITA (PPG-TF-151)     | 7.0 | 7.3 | 6.0 | 7.3 | 6.3 | 7.7 | 6.3 | 6.0 | 8.0 | 6.0 | 5.3 | 8.0 | 8.3 | 6.9  |
| BAR FA 121095            | 7.7 | 7.7 | 6.0 | 7.0 | 6.0 | 7.0 | 6.0 | 6.3 | 8.0 | 5.7 | 6.0 | 7.7 | 8.3 | 6.9  |
| SUPERSONIC (PPG-TF-170)  | 7.3 | 7.7 | 6.0 | 7.0 | 6.7 | 7.3 | 5.7 | 6.0 | 8.0 | 6.0 | 5.7 | 8.0 | 8.0 | 6.9  |
| PSG-8BP2                 | 7.0 | 8.0 | 5.3 | 6.3 | 6.0 | 7.0 | 6.0 | 6.0 | 8.0 | 6.0 | 7.0 | 8.0 | 8.7 | 6.9  |
| PST-5DZP                 | 7.0 | 7.7 | 5.7 | 7.0 | 6.7 | 6.7 | 6.0 | 6.0 | 8.0 | 6.0 | 6.7 | 8.0 | 8.0 | 6.9  |
| REGENERATE               | 7.0 | 8.0 | 6.0 | 8.0 | 5.7 | 7.7 | 5.7 | 6.0 | 7.7 | 6.0 | 5.3 | 7.7 | 8.7 | 6.9  |
| FIREWALL (PSG-WE1)       | 7.0 | 8.0 | 6.0 | 6.7 | 6.3 | 7.0 | 6.3 | 6.0 | 8.0 | 5.7 | 5.7 | 8.0 | 8.3 | 6.8  |
| HEMI                     | 6.7 | 8.0 | 6.3 | 7.7 | 6.3 | 6.7 | 6.0 | 6.0 | 8.0 | 6.0 | 5.7 | 7.7 | 8.0 | 6.8  |
| IS-TF 311                | 7.0 | 7.7 | 5.3 | 7.3 | 6.7 | 7.0 | 6.0 | 6.0 | 8.0 | 6.0 | 5.7 | 8.0 | 8.3 | 6.8  |
| B23                      | 7.7 | 7.7 | 5.3 | 7.7 | 6.0 | 7.0 | 5.7 | 6.3 | 8.0 | 6.0 | 5.3 | 8.0 | 8.0 | 6.8  |
| JS 819                   | 7.0 | 7.7 | 5.3 | 7.0 | 6.0 | 6.3 | 6.3 | 6.0 | 8.0 | 5.7 | 7.3 | 8.0 | 8.0 | 6.8  |
| VALKYRIE LS (PPG-TF-172) | 6.7 | 7.7 | 6.0 | 7.0 | 6.3 | 7.0 | 6.3 | 6.0 | 8.0 | 5.3 | 6.0 | 8.0 | 8.3 | 6.8  |
| ROCKWELL (LTP-TWUU)      | 6.3 | 7.7 | 5.3 | 7.7 | 6.7 | 7.3 | 6.3 | 6.0 | 7.7 | 6.0 | 5.7 | 8.0 | 8.0 | 6.8  |
| BULLSEYE                 | 7.3 | 7.3 | 6.0 | 7.7 | 6.0 | 7.0 | 5.3 | 6.0 | 8.0 | 5.7 | 6.0 | 8.0 | 8.3 | 6.8  |
| JS 825                   | 6.7 | 7.7 | 6.0 | 6.7 | 5.7 | 6.7 | 6.0 | 6.0 | 8.3 | 6.0 | 7.0 | 7.7 | 8.0 | 6.8  |
| HOVER (BURL TF-69)       | 7.3 | 7.3 | 5.7 | 6.7 | 6.0 | 7.3 | 5.7 | 6.0 | 8.0 | 6.0 | 6.3 | 8.0 | 8.0 | 6.8  |
| FIREBIRD 2               | 7.0 | 8.0 | 5.7 | 6.7 | 6.0 | 7.0 | 6.0 | 6.0 | 8.3 | 5.7 | 5.7 | 8.0 | 8.0 | 6.8  |
| F711                     | 7.3 | 7.7 | 5.3 | 7.3 | 6.3 | 7.7 | 6.0 | 6.0 | 8.0 | 5.7 | 4.7 | 8.0 | 8.0 | 6.8  |
| PSG-P01                  | 7.0 | 7.7 | 5.3 | 7.3 | 6.3 | 7.0 | 6.3 | 6.0 | 8.0 | 5.7 | 5.3 | 8.0 | 8.0 | 6.8  |
| RAPTOR III (ZW 44)       | 6.0 | 8.0 | 6.0 | 7.7 | 6.0 | 7.3 | 6.0 | 6.0 | 8.0 | 5.7 | 5.0 | 8.0 | 8.3 | 6.8  |
| TERRANO                  | 7.3 | 7.3 | 5.7 | 7.0 | 6.0 | 7.0 | 6.0 | 6.0 | 8.0 | 5.7 | 6.0 | 8.0 | 8.0 | 6.8  |
| PPG-TF-135               | 6.7 | 7.7 | 6.0 | 7.7 | 6.3 | 6.7 | 5.7 | 6.0 | 8.0 | 5.7 | 5.3 | 8.0 | 8.3 | 6.8  |
| BAR FA 121089            | 6.7 | 8.0 | 5.3 | 6.7 | 6.3 | 7.3 | 6.0 | 6.0 | 8.0 | 6.0 | 6.0 | 7.3 | 8.0 | 6.7  |
| GTO (BURL TF-2)          | 5.7 | 8.0 | 5.7 | 7.3 | 6.7 | 6.7 | 6.3 | 6.0 | 7.7 | 5.7 | 6.0 | 8.0 | 8.0 | 6.7  |
| INSPIRATION (PST-R5NW)   | 6.3 | 8.0 | 5.7 | 7.3 | 6.0 | 7.7 | 6.0 | 6.3 | 8.0 | 5.7 | 4.7 | 7.7 | 8.3 | 6.7  |
| MET-3                    | 6.7 | 7.7 | 6.0 | 7.0 | 6.0 | 7.0 | 6.0 | 6.0 | 8.0 | 6.0 | 5.3 | 8.0 | 8.0 | 6.7  |
| WARHAWK                  | 7.0 | 7.7 | 5.7 | 6.3 | 6.0 | 6.7 | 6.3 | 6.3 | 8.3 | 5.0 | 6.3 | 8.0 | 8.0 | 6.7  |
| PPG-TF-138               | 7.0 | 8.0 | 5.7 | 7.3 | 6.0 | 6.7 | 5.7 | 6.0 | 8.0 | 6.0 | 5.3 | 8.0 | 8.0 | 6.7  |
| MAESTRO (T31)            | 6.7 | 7.7 | 5.0 | 7.3 | 6.7 | 7.0 | 6.0 | 6.0 | 8.0 | 6.0 | 5.3 | 7.7 | 8.0 | 6.7  |
| GRANDE 3                 | 7.3 | 7.3 | 5.3 | 7.0 | 5.3 | 7.0 | 6.0 | 6.0 | 7.7 | 5.3 | 6.3 | 8.0 | 8.7 | 6.7  |
| LEONARDO (LTP-FSD)       | 6.7 | 7.7 | 6.0 | 7.3 | 6.7 | 7.0 | 6.3 | 6.0 | 8.0 | 5.7 | 4.3 | 7.3 | 8.3 | 6.7  |
| ROWDY (SRX-TPC)          | 6.7 | 8.0 | 6.0 | 7.0 | 5.3 | 7.3 | 5.3 | 6.3 | 8.0 | 6.0 | 5.3 | 8.0 | 8.0 | 6.7  |
| BLACK TAIL (PPG-TF-150)  | 7.0 | 7.3 | 5.7 | 7.3 | 6.0 | 6.7 | 6.0 | 6.0 | 8.0 | 5.7 | 5.3 | 8.0 | 8.3 | 6.7  |
| PARAMOUNT (PPG-TF-137)   | 7.0 | 7.7 | 5.7 | 7.3 | 6.3 | 7.0 | 5.3 | 6.3 | 7.7 | 6.0 | 4.7 | 8.0 | 8.0 | 6.7  |
| RHAMBLER 2 SRP (LSD)     | 6.3 | 7.3 | 6.3 | 7.3 | 5.7 | 8.0 | 6.0 | 6.3 | 8.0 | 5.0 | 4.7 | 8.0 | 8.0 | 6.7  |
| AVENGER II (PPG-TF-156)  | 7.0 | 7.3 | 6.0 | 7.0 | 6.3 | 7.0 | 5.7 | 6.0 | 7.7 | 5.7 | 5.7 | 7.7 | 8.0 | 6.7  |

TABLE 20. (CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                      | CT1  | CA3 | GA1  | IA1 | IL1  | IN1 | MO1 | MS1 | NC1 | NE1 | NJ2  | OK1 | TN1 | MEAN |
|---------------------------|------|-----|------|-----|------|-----|-----|-----|-----|-----|------|-----|-----|------|
| FALCON IV                 | 6.3  | 8.0 | 5.7  | 7.0 | 5.7  | 7.3 | 6.3 | 6.0 | 8.0 | 5.7 | 5.3  | 7.7 | 8.0 | 6.7  |
| MET 1                     | 6.0  | 7.7 | 6.0  | 7.3 | 5.7  | 7.3 | 6.0 | 6.0 | 7.7 | 5.7 | 5.3  | 8.0 | 8.0 | 6.7  |
| MICHELANGELO (LTP-F5DPDR) | 7.3  | 7.7 | 5.7  | 7.3 | 6.3  | 7.0 | 5.7 | 6.0 | 7.7 | 5.7 | 4.3  | 8.0 | 8.0 | 6.7  |
| ATF 1612                  | 6.7  | 7.3 | 5.3  | 7.7 | 6.3  | 7.0 | 5.3 | 6.0 | 7.3 | 6.0 | 5.7  | 7.7 | 8.0 | 6.6  |
| FALCON V                  | 5.7  | 7.7 | 5.7  | 7.3 | 6.3  | 7.0 | 6.0 | 6.0 | 8.0 | 5.7 | 4.3  | 8.0 | 8.7 | 6.6  |
| ANNIHILATOR               | 6.7  | 8.0 | 5.7  | 6.0 | 6.3  | 6.7 | 5.3 | 6.0 | 8.3 | 5.3 | 5.7  | 8.0 | 8.0 | 6.6  |
| IS-TF-287                 | 7.0  | 8.0 | 5.7  | 6.7 | 6.0  | 6.3 | 5.7 | 6.0 | 7.7 | 5.7 | 5.7  | 7.7 | 8.0 | 6.6  |
| COMP. RES. SST            | 6.0  | 7.3 | 5.7  | 6.7 | 6.7  | 6.0 | 6.0 | 6.0 | 8.7 | 5.7 | 5.3  | 8.0 | 8.0 | 6.6  |
| SCREAMER LS (PPG-TF-148)  | 6.3  | 7.7 | 6.0  | 7.3 | 6.3  | 7.7 | 5.3 | 6.0 | 7.3 | 5.3 | 4.7  | 8.0 | 8.0 | 6.6  |
| K12-MCD                   | 7.0  | 8.0 | 6.0  | 7.0 | 5.7  | 7.0 | 5.7 | 6.0 | 8.0 | 5.7 | 4.0  | 7.7 | 8.0 | 6.6  |
| ATF 1736                  | 6.3  | 7.3 | 5.7  | 7.0 | 7.0  | 7.0 | 6.0 | 6.0 | 7.7 | 5.7 | 5.0  | 7.3 | 7.7 | 6.6  |
| PSG-TT4                   | 7.0  | 8.0 | 5.7  | 6.3 | 6.0  | 6.7 | 5.7 | 5.7 | 7.7 | 6.0 | 5.0  | 8.0 | 8.0 | 6.6  |
| PSG-GSD                   | 6.7  | 8.0 | 5.7  | 7.0 | 6.3  | 7.3 | 6.0 | 6.0 | 7.7 | 5.3 | 4.0  | 7.3 | 8.0 | 6.6  |
| EMBRACE (PST-5EV2)        | 7.0  | 7.7 | 5.7  | 7.0 | 6.0  | 6.3 | 6.3 | 6.0 | 8.0 | 5.3 | 3.7  | 7.7 | 8.3 | 6.5  |
| MARAUDER                  | 6.0  | 7.7 | 6.0  | 6.0 | 6.7  | 7.0 | 6.0 | 6.0 | 8.0 | 5.3 | 5.0  | 7.3 | 8.0 | 6.5  |
| TECHNIQUE (RZ2)           | 6.0  | 8.0 | 6.0  | 7.3 | 5.7  | 7.0 | 5.7 | 6.0 | 7.3 | 6.0 | 4.0  | 8.0 | 8.0 | 6.5  |
| SALTILLO (PST-5SALT)      | 6.3  | 7.0 | 5.7  | 7.3 | 6.3  | 7.0 | 6.0 | 5.7 | 8.0 | 6.0 | 4.3  | 7.3 | 8.0 | 6.5  |
| SWAGGER (PST-5R05)        | 7.0  | 7.7 | 5.7  | 7.0 | 6.0  | 6.3 | 5.7 | 6.0 | 8.0 | 5.3 | 4.0  | 8.0 | 8.0 | 6.5  |
| MERIDIAN (PST-5GRB)       | 5.7  | 7.3 | 6.0  | 7.3 | 5.7  | 6.7 | 5.3 | 6.0 | 8.0 | 5.7 | 5.0  | 8.0 | 8.0 | 6.5  |
| PST-5BRK                  | 6.7  | 7.7 | 6.0  | 7.3 | 6.0  | 6.7 | 5.0 | 5.7 | 7.7 | 6.0 | 4.0  | 7.7 | 8.3 | 6.5  |
| PST-5MVD                  | 6.0  | 8.0 | 5.3  | 7.0 | 6.3  | 6.7 | 6.0 | 6.0 | 7.3 | 6.0 | 4.3  | 7.7 | 8.0 | 6.5  |
| PPG-TF-169                | 6.0  | 7.7 | 5.7  | 7.3 | 6.0  | 7.0 | 5.7 | 6.0 | 7.0 | 5.7 | 4.3  | 7.3 | 8.0 | 6.4  |
| RAIN DANCE (PST-5SDT)     | 6.0  | 7.3 | 6.0  | 7.0 | 5.7  | 6.7 | 6.0 | 6.0 | 8.0 | 5.3 | 3.7  | 7.0 | 8.0 | 6.4  |
| CATALYST                  | 6.0  | 8.0 | 4.3  | 7.3 | 5.3  | 7.3 | 6.0 | 6.3 | 8.0 | 6.0 | 2.7  | 7.3 | 8.0 | 6.4  |
| PST-5BPO                  | 5.7  | 7.7 | 6.3  | 7.0 | 5.7  | 6.7 | 5.3 | 6.0 | 7.7 | 5.3 | 3.0  | 8.0 | 8.0 | 6.3  |
| AQUADUCT                  | 6.0  | 8.0 | 5.0  | 6.3 | 6.0  | 6.3 | 5.7 | 5.3 | 8.0 | 5.0 | 4.7  | 7.7 | 8.0 | 6.3  |
| ATF 1704                  | 6.0  | 7.0 | 5.7  | 6.7 | 5.7  | 6.7 | 5.7 | 6.0 | 7.3 | 5.3 | 4.0  | 7.7 | 8.0 | 6.3  |
| ATF 1754                  | 5.3  | 7.7 | 5.3  | 7.3 | 5.7  | 6.7 | 6.0 | 6.0 | 7.3 | 5.3 | 4.0  | 7.0 | 8.0 | 6.3  |
| BLOODHOUND (MET 6 SEL)    | 6.3  | 7.3 | 5.0  | 7.3 | 5.7  | 7.0 | 5.3 | 6.0 | 7.0 | 5.3 | 3.7  | 7.7 | 8.0 | 6.3  |
| 204 RES. BLK4             | 5.3  | 7.0 | 5.7  | 6.0 | 6.3  | 6.3 | 4.7 | 6.0 | 8.0 | 5.3 | 4.3  | 7.3 | 8.0 | 6.2  |
| PST-5EX2                  | 5.0  | 7.7 | 5.7  | 6.7 | 5.7  | 6.0 | 5.3 | 5.7 | 7.0 | 5.3 | 2.0  | 7.3 | 8.0 | 5.9  |
| BAR FA 120878             | 4.7  | 8.0 | 5.0  | 6.0 | 5.3  | 5.7 | 5.0 | 5.0 | 7.3 | 5.0 | 3.0  | 6.7 | 7.0 | 5.7  |
| KY-31                     | 3.0  | 5.7 | 4.3  | 4.0 | 4.0  | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 1.0  | 5.3 | 4.0 | 3.9  |
| LSD VALUE                 | 1.2  | 0.7 | 0.9  | 0.8 | 1.0  | 0.9 | 0.9 | 0.5 | 0.5 | 0.6 | 1.5  | 0.5 | 0.6 | 0.2  |
| C.V. (%)                  | 10.5 | 5.6 | 10.1 | 7.3 | 10.4 | 7.9 | 9.4 | 5.3 | 4.3 | 6.9 | 16.1 | 3.9 | 4.5 | 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 21.

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/  
 2015 DATA

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

| NAME                      | CT1 | CA3 | IA1 | IL1 | IN1 | MS1 | NC1 | NE1 | NJ1 | NJ2 | PA1 | MEAN |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| PST-5EX2                  | 4.3 | 5.3 | 5.0 | 6.3 | 5.0 | 6.7 | 8.3 | 4.7 | 6.7 | 7.3 | 4.0 | 5.8  |
| REBOUNDER (PICK-W43)      | 5.7 | 6.0 | 6.0 | 5.7 | 4.3 | 6.3 | 7.7 | 4.7 | 6.3 | 7.3 | 3.7 | 5.8  |
| PPG-TF-169                | 5.3 | 5.3 | 5.3 | 6.3 | 3.7 | 7.0 | 8.3 | 4.0 | 6.3 | 7.3 | 4.3 | 5.8  |
| SCREAMER LS (PPG-TF-148)  | 5.0 | 6.0 | 6.0 | 6.3 | 4.0 | 7.3 | 7.7 | 4.3 | 6.3 | 6.3 | 4.0 | 5.8  |
| GRANDE 3                  | 4.7 | 4.7 | 5.3 | 6.3 | 4.0 | 6.7 | 8.0 | 4.7 | 7.0 | 7.3 | 4.3 | 5.7  |
| ROCKWELL (LTP-TWUU)       | 5.3 | 6.3 | 6.0 | 5.3 | 4.0 | 6.0 | 8.0 | 4.3 | 6.7 | 6.3 | 4.7 | 5.7  |
| FALCON V                  | 4.7 | 6.3 | 5.7 | 6.3 | 5.0 | 6.3 | 7.7 | 4.3 | 7.0 | 6.3 | 3.0 | 5.7  |
| CATALYST                  | 5.7 | 5.7 | 5.7 | 6.0 | 5.0 | 6.3 | 8.3 | 4.3 | 6.0 | 6.0 | 3.3 | 5.7  |
| 4TH MILLENNIUM SRP (U43)  | 5.3 | 6.0 | 5.7 | 5.0 | 4.3 | 6.3 | 8.3 | 4.7 | 6.0 | 6.3 | 4.0 | 5.6  |
| KY-31                     | 5.7 | 6.0 | 3.0 | 5.7 | 6.0 | 5.0 | 7.3 | 3.0 | 8.3 | 7.0 | 4.7 | 5.6  |
| FAITH                     | 5.0 | 5.7 | 5.7 | 6.0 | 4.7 | 6.7 | 8.0 | 4.7 | 6.0 | 5.7 | 3.3 | 5.6  |
| MET-3                     | 5.0 | 6.7 | 5.7 | 5.3 | 3.3 | 6.3 | 8.3 | 4.7 | 6.0 | 6.3 | 3.7 | 5.6  |
| REGENERATE                | 5.0 | 6.3 | 6.0 | 5.3 | 3.7 | 6.3 | 7.7 | 4.3 | 6.7 | 6.0 | 4.0 | 5.6  |
| AMITY (CCR2)              | 5.3 | 5.3 | 5.7 | 5.7 | 4.0 | 6.3 | 7.3 | 4.7 | 6.3 | 6.0 | 4.3 | 5.5  |
| GTO (BURL TF-2)           | 5.7 | 4.7 | 5.3 | 6.3 | 4.0 | 6.7 | 8.3 | 4.3 | 6.0 | 6.3 | 3.0 | 5.5  |
| MET 1                     | 5.7 | 5.0 | 5.7 | 5.7 | 4.0 | 7.0 | 7.3 | 4.3 | 6.7 | 6.3 | 2.5 | 5.5  |
| MAESTRO (T31)             | 5.3 | 6.0 | 5.3 | 6.0 | 4.0 | 6.7 | 7.7 | 4.7 | 5.0 | 5.3 | 4.0 | 5.5  |
| F711                      | 4.7 | 5.3 | 5.7 | 5.3 | 4.3 | 6.7 | 8.3 | 4.0 | 5.7 | 6.3 | 3.0 | 5.4  |
| AVENGER II (PPG-TF-156)   | 4.7 | 5.0 | 6.0 | 5.7 | 3.0 | 7.0 | 8.3 | 4.3 | 6.0 | 5.7 | 3.3 | 5.4  |
| SUPERSONIC (PPG-TF-170)   | 5.0 | 5.7 | 6.0 | 5.7 | 3.7 | 6.3 | 7.0 | 4.7 | 6.0 | 6.0 | 3.0 | 5.4  |
| BLOODHOUND (MET 6 SEL)    | 4.3 | 5.0 | 5.7 | 5.3 | 4.0 | 6.7 | 7.7 | 5.0 | 6.0 | 5.7 | 3.3 | 5.3  |
| PSG-PO1                   | 4.7 | 5.3 | 6.0 | 5.3 | 3.7 | 6.3 | 8.0 | 4.7 | 5.3 | 6.0 | 3.3 | 5.3  |
| BULLSEYE                  | 5.3 | 6.0 | 5.7 | 5.0 | 4.7 | 5.7 | 7.7 | 4.7 | 4.7 | 5.7 | 3.7 | 5.3  |
| FIREWALL (PSG-WE1)        | 5.3 | 5.3 | 5.3 | 5.3 | 4.3 | 6.7 | 8.0 | 4.0 | 5.0 | 5.7 | 3.7 | 5.3  |
| BIZEM                     | 4.0 | 6.3 | 6.0 | 5.7 | 3.3 | 6.3 | 8.0 | 4.3 | 6.0 | 5.3 | 3.0 | 5.3  |
| EMBRACE (PST-5EV2)        | 4.7 | 6.0 | 5.0 | 6.0 | 4.0 | 6.7 | 7.3 | 4.0 | 5.7 | 5.7 | 3.3 | 5.3  |
| ATF 1612                  | 5.3 | 4.7 | 5.0 | 5.7 | 4.0 | 6.0 | 7.0 | 4.3 | 5.7 | 6.0 | 4.3 | 5.3  |
| TECHNIQUE (RZ2)           | 5.0 | 6.7 | 6.0 | 5.3 | 3.7 | 6.3 | 8.0 | 4.0 | 5.7 | 5.3 | 2.0 | 5.3  |
| W41                       | 5.0 | 5.7 | 6.0 | 6.0 | 4.0 | 6.3 | 7.7 | 4.3 | 4.7 | 5.0 | 3.3 | 5.3  |
| B23                       | 5.0 | 5.7 | 5.3 | 6.0 | 3.7 | 6.0 | 7.0 | 5.0 | 5.0 | 5.3 | 3.7 | 5.2  |
| HOT ROD (BURL TF-136)     | 5.3 | 5.3 | 5.3 | 5.0 | 4.0 | 6.0 | 8.3 | 4.3 | 5.3 | 6.0 | 2.7 | 5.2  |
| PST-5MVD                  | 4.7 | 5.7 | 6.0 | 6.0 | 3.3 | 5.7 | 7.3 | 4.0 | 6.0 | 5.0 | 4.0 | 5.2  |
| ATF 1736                  | 5.7 | 5.3 | 5.3 | 5.3 | 4.0 | 6.7 | 6.7 | 4.0 | 5.3 | 6.3 | 3.0 | 5.2  |
| CAESAR (TY 10)            | 6.3 | 5.7 | 6.0 | 5.3 | 3.3 | 6.3 | 7.0 | 4.3 | 4.7 | 4.7 | 3.5 | 5.2  |
| FAYETTE (IS-TF 291)       | 5.3 | 5.0 | 6.0 | 5.3 | 3.7 | 6.3 | 7.0 | 4.0 | 5.7 | 5.3 | 3.3 | 5.2  |
| IS-TF 311                 | 4.7 | 6.0 | 5.7 | 6.0 | 3.7 | 6.0 | 7.7 | 4.3 | 4.7 | 5.3 | 3.0 | 5.2  |
| RAIN DANCE (PST-5SDT)     | 4.3 | 5.3 | 5.0 | 5.3 | 4.3 | 6.0 | 7.7 | 4.3 | 5.7 | 5.7 | 3.3 | 5.2  |
| MICHELANGELO (LTP-F5DPDR) | 5.3 | 6.0 | 6.0 | 5.0 | 4.0 | 6.7 | 7.7 | 4.0 | 4.7 | 4.7 | 3.0 | 5.2  |
| ATF 1754                  | 3.7 | 5.3 | 5.7 | 5.3 | 3.7 | 6.3 | 7.7 | 4.7 | 6.0 | 6.0 | 2.3 | 5.2  |
| BLACK TAIL (PPG-TF-150)   | 4.3 | 5.3 | 5.3 | 5.3 | 3.7 | 6.3 | 7.0 | 4.7 | 5.3 | 5.3 | 4.0 | 5.2  |
| HOVER (BURL TF-69)        | 3.7 | 6.3 | 6.0 | 4.7 | 4.0 | 6.3 | 8.0 | 4.7 | 5.0 | 5.0 | 3.0 | 5.2  |



TABLE 21. (CONT'D)

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/  
 2015 DATA

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

| NAME                         | CT1 | CA3 | IA1 | IL1 | IN1 | MS1 | NC1 | NE1 | NJ1 | NJ2 | PA1 | MEAN |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| ATF 1704                     | 5.0 | 5.0 | 5.0 | 4.3 | 3.7 | 6.0 | 7.7 | 4.0 | 6.7 | 5.3 | 3.7 | 5.1  |
| BAR FA 120878                | 5.0 | 6.7 | 5.0 | 5.7 | 4.7 | 5.0 | 6.7 | 4.0 | 5.7 | 5.0 | 3.0 | 5.1  |
| PST-5BPO                     | 5.0 | 6.3 | 5.7 | 5.3 | 3.3 | 5.7 | 7.7 | 4.3 | 5.0 | 5.0 | 3.0 | 5.1  |
| TRAVERSE 2 SRP (W45)         | 4.7 | 5.3 | 6.0 | 5.3 | 3.7 | 6.7 | 7.7 | 4.3 | 4.7 | 4.7 | 3.0 | 5.1  |
| FALCON IV                    | 5.0 | 5.7 | 5.7 | 5.7 | 3.7 | 5.7 | 7.3 | 4.3 | 5.3 | 4.3 | 3.0 | 5.1  |
| PPG-TF-138                   | 5.3 | 5.7 | 5.3 | 6.0 | 3.7 | 6.0 | 7.3 | 4.3 | 4.7 | 5.0 | 2.3 | 5.1  |
| PSG-GSD                      | 5.0 | 5.7 | 5.7 | 5.3 | 3.7 | 6.0 | 7.7 | 4.3 | 4.3 | 5.0 | 3.0 | 5.1  |
| IS-TF 308 SEL                | 4.3 | 5.7 | 5.7 | 5.0 | 4.0 | 6.0 | 7.7 | 4.7 | 4.7 | 4.7 | 3.3 | 5.1  |
| PPG-TF-135                   | 4.3 | 5.0 | 6.0 | 5.0 | 3.3 | 6.3 | 7.7 | 4.7 | 5.7 | 4.7 | 3.0 | 5.1  |
| FESNOVA                      | 4.7 | 6.0 | 5.7 | 4.7 | 4.0 | 6.3 | 7.3 | 4.0 | 5.0 | 4.3 | 3.3 | 5.0  |
| FIREBIRD 2                   | 4.7 | 6.0 | 5.3 | 5.3 | 3.3 | 6.3 | 7.0 | 4.3 | 5.0 | 5.3 | 2.7 | 5.0  |
| LEONARDO (LTP-FSD)           | 4.0 | 6.0 | 5.3 | 5.3 | 3.7 | 6.7 | 7.3 | 4.0 | 5.3 | 5.0 | 2.7 | 5.0  |
| MERIDIAN (PST-5GRB)          | 5.3 | 5.7 | 5.3 | 4.7 | 3.7 | 6.0 | 7.7 | 3.7 | 6.0 | 5.7 | 1.7 | 5.0  |
| PARAMOUNT (PPG-TF-137)       | 5.7 | 5.0 | 5.3 | 4.7 | 3.0 | 6.7 | 7.7 | 4.0 | 5.7 | 5.7 | 2.0 | 5.0  |
| WICHITA (PPG-TF-151)         | 4.7 | 6.0 | 5.7 | 5.3 | 3.3 | 7.0 | 7.3 | 4.3 | 4.0 | 4.7 | 3.0 | 5.0  |
| K12-MCD                      | 5.0 | 6.0 | 5.3 | 5.7 | 3.7 | 6.0 | 7.0 | 4.0 | 4.7 | 5.3 | 2.3 | 5.0  |
| JS 916                       | 4.7 | 6.7 | 5.7 | 4.3 | 3.7 | 6.3 | 7.3 | 4.0 | 4.0 | 5.0 | 3.3 | 5.0  |
| REFLECTION (U45)             | 4.7 | 5.7 | 5.7 | 5.0 | 3.7 | 6.3 | 7.0 | 4.7 | 4.7 | 4.7 | 3.0 | 5.0  |
| TITANIUM 2LS (PPG-TF-152)    | 5.3 | 6.7 | 5.7 | 5.3 | 3.3 | 6.7 | 7.3 | 4.0 | 3.3 | 4.7 | 2.5 | 5.0  |
| RAPTOR III (ZW 44)           | 3.7 | 5.7 | 5.7 | 5.7 | 4.0 | 6.0 | 7.3 | 4.3 | 4.7 | 5.3 | 2.3 | 5.0  |
| PST-5BRK                     | 5.0 | 5.7 | 5.7 | 5.0 | 3.7 | 6.0 | 7.7 | 4.3 | 4.3 | 4.7 | 2.3 | 4.9  |
| TEMPLE (DZ1)                 | 3.7 | 6.0 | 5.7 | 5.7 | 3.7 | 5.7 | 7.3 | 4.3 | 5.3 | 4.7 | 2.3 | 4.9  |
| TURFWAY (IS-TF 282 M2)       | 5.0 | 6.0 | 5.3 | 5.0 | 3.7 | 6.0 | 7.3 | 4.3 | 4.7 | 4.7 | 2.3 | 4.9  |
| HOUND08 (IS-TF 307 SEL)      | 5.0 | 5.0 | 6.0 | 5.3 | 3.7 | 6.0 | 7.7 | 4.7 | 4.0 | 4.0 | 3.0 | 4.9  |
| SWAGGER (PST-5R05)           | 5.0 | 5.7 | 6.0 | 4.0 | 4.3 | 6.0 | 7.3 | 4.0 | 4.7 | 4.0 | 3.0 | 4.9  |
| 204 RES. BLK4                | 4.0 | 5.7 | 4.7 | 6.0 | 4.3 | 5.3 | 7.7 | 4.0 | 5.3 | 5.0 | 1.7 | 4.9  |
| FIRECRACKER SLS (PPG-TF-105) | 4.7 | 6.3 | 5.7 | 4.7 | 3.0 | 6.0 | 7.7 | 4.7 | 3.0 | 5.0 | 3.0 | 4.9  |
| VALKYRIE LS (PPG-TF-172)     | 4.3 | 6.0 | 5.3 | 4.7 | 3.3 | 6.0 | 8.0 | 4.3 | 4.7 | 5.0 | 2.0 | 4.9  |
| FRONTLINE (EXP TF-09)        | 5.7 | 5.7 | 5.3 | 5.0 | 4.7 | 5.7 | 7.3 | 3.7 | 3.7 | 4.3 | 2.5 | 4.9  |
| INSPIRATION (PST-R5NW)       | 4.7 | 5.7 | 5.3 | 5.7 | 5.0 | 5.7 | 7.0 | 4.3 | 2.7 | 4.0 | 3.3 | 4.8  |
| IS-TF-287                    | 5.0 | 5.3 | 4.7 | 5.0 | 4.7 | 5.7 | 7.7 | 4.3 | 4.0 | 4.0 | 2.7 | 4.8  |
| XTENDER (PPG-TF-139)         | 3.7 | 6.0 | 5.7 | 5.3 | 3.3 | 6.3 | 7.3 | 4.7 | 3.3 | 5.0 | 2.3 | 4.8  |
| PSG-TT4                      | 5.0 | 6.3 | 5.0 | 5.0 | 4.3 | 5.7 | 6.0 | 4.3 | 3.7 | 4.0 | 3.3 | 4.8  |
| RAD-TF-89                    | 3.3 | 5.3 | 5.3 | 4.3 | 5.0 | 6.3 | 7.3 | 4.3 | 4.7 | 4.7 | 2.0 | 4.8  |
| ROWDY (SRX-TPC)              | 4.3 | 5.7 | 5.3 | 5.0 | 3.7 | 6.0 | 7.0 | 3.7 | 4.3 | 4.3 | 3.3 | 4.8  |
| THOR (PPG-TF-157)            | 4.7 | 5.7 | 6.0 | 4.3 | 3.3 | 6.3 | 7.3 | 4.3 | 4.7 | 3.7 | 2.3 | 4.8  |
| TEMPTATION (OR-21)           | 4.3 | 5.0 | 6.0 | 5.0 | 4.7 | 5.7 | 7.3 | 4.0 | 3.7 | 4.3 | 2.5 | 4.8  |
| HEMI                         | 4.3 | 5.3 | 4.7 | 4.7 | 3.7 | 6.3 | 7.0 | 4.3 | 4.3 | 5.0 | 2.7 | 4.8  |
| OLYMPUS (RAD-TF-88)          | 3.3 | 5.3 | 5.3 | 5.3 | 4.0 | 5.7 | 7.3 | 3.7 | 4.7 | 5.3 | 2.3 | 4.8  |
| RAD-TF-83                    | 4.7 | 5.3 | 5.7 | 5.0 | 3.7 | 6.3 | 7.3 | 4.0 | 3.7 | 4.7 | 2.0 | 4.8  |
| RAD-TF-92                    | 3.0 | 5.3 | 5.7 | 5.3 | 4.0 | 6.0 | 8.0 | 4.3 | 4.7 | 4.7 | 1.3 | 4.8  |
| IS-TF 269 SEL                | 4.7 | 5.3 | 5.7 | 4.3 | 3.7 | 6.0 | 7.3 | 5.0 | 3.3 | 4.3 | 2.3 | 4.7  |

TABLE 21. (CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                         | CT1  | CA3  | IA1  | IL1  | IN1  | MS1 | NC1  | NE1  | NJ1  | NJ2  | PA1  | MEAN |
|------------------------------|------|------|------|------|------|-----|------|------|------|------|------|------|
| PST-5DZP                     | 5.0  | 5.3  | 5.0  | 6.0  | 4.7  | 5.3 | 7.0  | 4.0  | 4.3  | 4.3  | 1.0  | 4.7  |
| SALTILLO (PST-5SALT)         | 4.7  | 6.0  | 5.7  | 5.7  | 3.3  | 5.7 | 6.3  | 4.0  | 4.3  | 4.0  | 2.0  | 4.7  |
| AQUADUCT                     | 5.3  | 5.0  | 5.0  | 5.0  | 3.7  | 5.7 | 8.0  | 4.0  | 3.3  | 3.7  | 2.7  | 4.7  |
| PPG-TF-115                   | 4.3  | 6.3  | 5.3  | 5.7  | 4.0  | 5.3 | 6.7  | 4.0  | 3.3  | 4.0  | 2.3  | 4.7  |
| DIABLO (IS-TF 330)           | 4.7  | 5.7  | 5.3  | 5.7  | 3.7  | 5.3 | 7.3  | 4.3  | 2.7  | 3.7  | 2.7  | 4.6  |
| MARAUDER                     | 4.0  | 5.7  | 4.7  | 5.7  | 4.7  | 5.0 | 7.0  | 4.0  | 4.0  | 4.3  | 1.7  | 4.6  |
| PSG-8BP2                     | 5.3  | 5.3  | 5.7  | 5.0  | 3.7  | 5.7 | 6.7  | 4.0  | 3.0  | 4.0  | 2.3  | 4.6  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 4.0  | 5.7  | 4.7  | 4.3  | 3.7  | 6.3 | 7.3  | 5.0  | 3.7  | 3.7  | 2.3  | 4.6  |
| FOXHOUND (IS-TF 284 M2)      | 4.3  | 6.3  | 6.0  | 5.0  | 3.7  | 6.0 | 6.3  | 4.0  | 3.0  | 4.0  | 1.7  | 4.6  |
| RHIZING MOON (IS-TF 305 SEL) | 4.3  | 5.3  | 5.7  | 5.7  | 4.0  | 6.0 | 6.3  | 3.7  | 3.7  | 4.0  | 1.7  | 4.6  |
| TERRANO                      | 4.3  | 6.7  | 5.3  | 4.3  | 3.7  | 6.0 | 6.7  | 3.7  | 2.7  | 4.7  | 2.3  | 4.6  |
| BAR FA 121089                | 4.0  | 5.0  | 5.0  | 5.0  | 4.3  | 5.3 | 7.0  | 4.3  | 3.7  | 4.3  | 2.0  | 4.5  |
| IS-TF 276 M2                 | 5.3  | 5.0  | 5.7  | 4.3  | 3.0  | 5.7 | 7.0  | 4.3  | 4.0  | 4.0  | 1.7  | 4.5  |
| BAR FA 121091                | 4.3  | 5.7  | 5.3  | 5.3  | 3.7  | 5.3 | 7.3  | 4.7  | 2.7  | 3.3  | 2.0  | 4.5  |
| ARES (PPG-TF-142)            | 5.0  | 5.7  | 5.7  | 5.3  | 4.0  | 5.0 | 6.7  | 4.3  | 2.0  | 3.3  | 2.0  | 4.5  |
| RHAMBLER 2 SRP (LSD)         | 4.0  | 6.0  | 5.0  | 4.7  | 3.7  | 6.0 | 7.3  | 4.3  | 2.0  | 4.0  | 2.0  | 4.5  |
| NIGHTCRAWLER (IS-TF 285)     | 5.0  | 6.3  | 5.3  | 4.0  | 3.3  | 6.0 | 7.0  | 4.0  | 2.0  | 3.7  | 2.3  | 4.5  |
| WARHAWK                      | 4.7  | 6.3  | 5.7  | 5.3  | 3.3  | 4.7 | 7.3  | 4.0  | 3.0  | 3.3  | 1.0  | 4.4  |
| JS 809                       | 4.7  | 6.3  | 5.3  | 5.0  | 4.3  | 5.0 | 7.0  | 4.3  | 2.0  | 3.0  | 1.7  | 4.4  |
| COMP. RES. SST               | 3.7  | 5.3  | 4.7  | 4.3  | 3.3  | 5.3 | 7.7  | 3.7  | 4.0  | 4.0  | 2.3  | 4.4  |
| ANNIHILATOR                  | 5.0  | 6.0  | 4.7  | 5.7  | 3.0  | 5.3 | 6.7  | 3.7  | 3.7  | 3.0  | 1.3  | 4.4  |
| IS-TF 272                    | 3.7  | 5.7  | 5.3  | 5.0  | 4.0  | 5.7 | 6.7  | 4.0  | 3.0  | 3.0  | 1.7  | 4.3  |
| KINGDOM (DB1)                | 3.7  | 6.3  | 5.3  | 5.7  | 3.7  | 5.3 | 6.7  | 4.0  | 1.7  | 3.3  | 2.0  | 4.3  |
| JS 818                       | 5.3  | 6.7  | 5.7  | 3.7  | 4.0  | 5.0 | 6.7  | 4.0  | 1.7  | 2.3  | 2.0  | 4.3  |
| MEMPHIS (GO-DFR)             | 4.7  | 6.3  | 5.0  | 4.3  | 3.7  | 5.3 | 6.7  | 3.7  | 2.7  | 3.0  | 1.3  | 4.2  |
| UNITUS (IS-TF 289)           | 4.7  | 5.3  | 5.3  | 4.7  | 3.7  | 5.7 | 6.7  | 4.3  | 1.7  | 3.0  | 1.7  | 4.2  |
| K12-05                       | 3.7  | 5.3  | 5.3  | 4.3  | 3.3  | 6.0 | 6.3  | 3.7  | 2.7  | 4.0  | 1.7  | 4.2  |
| DYNAMITE LS (PPG-TF-145)     | 4.7  | 6.3  | 5.0  | 4.7  | 4.0  | 5.3 | 6.7  | 4.7  | 1.0  | 2.7  | 1.0  | 4.2  |
| JS 819                       | 4.0  | 5.0  | 5.7  | 5.0  | 3.3  | 5.7 | 6.7  | 4.0  | 1.7  | 2.7  | 1.7  | 4.1  |
| THUNDERSTRUCK (TD1)          | 3.7  | 5.7  | 4.3  | 4.7  | 4.3  | 5.3 | 6.3  | 4.0  | 2.0  | 3.3  | 1.3  | 4.1  |
| BAR FA 121095                | 2.7  | 6.3  | 5.3  | 4.0  | 3.7  | 4.7 | 6.0  | 4.0  | 2.0  | 3.7  | 1.0  | 3.9  |
| JS 825                       | 4.0  | 5.7  | 5.3  | 4.7  | 3.7  | 5.0 | 5.7  | 4.0  | 1.0  | 2.7  | 1.7  | 3.9  |
| K12-13                       | 2.7  | 5.0  | 5.3  | 3.3  | 4.0  | 5.3 | 6.3  | 4.0  | 1.0  | 2.3  | 1.3  | 3.7  |
| LSD VALUE                    | 1.3  | 1.2  | 1.0  | 1.3  | 1.2  | 0.9 | 1.2  | 0.8  | 1.3  | 1.2  | 1.5  | 0.4  |
| C.V. (%)                     | 17.7 | 13.0 | 10.8 | 16.1 | 19.8 | 9.0 | 10.1 | 11.9 | 18.2 | 15.5 | 33.0 | 14.9 |

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

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

TABLE 22.

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                         | CT1 | CA3 | IA1 | IL1 | IN1 | MO1 | MS1 | NC1 | NE1 | OK1 | MEAN |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| FAYETTE (IS-TF 291)          | 7.0 | 5.7 | 8.0 | 6.3 | 6.7 | 6.0 | 6.0 | 7.0 | 5.3 | 6.7 | 6.5  |
| REGENERATE                   | 7.0 | 6.3 | 7.3 | 6.7 | 7.0 | 6.0 | 6.0 | 7.3 | 5.0 | 6.0 | 6.5  |
| HOUND08 (IS-TF 307 SEL)      | 7.0 | 6.0 | 7.0 | 6.7 | 6.3 | 6.0 | 6.0 | 7.3 | 5.3 | 6.7 | 6.4  |
| IS-TF 272                    | 7.3 | 5.3 | 7.7 | 6.7 | 6.7 | 6.3 | 6.0 | 7.3 | 5.0 | 6.0 | 6.4  |
| BLACK TAIL (PPG-TF-150)      | 6.7 | 6.3 | 7.7 | 6.7 | 6.3 | 6.0 | 6.0 | 7.0 | 5.3 | 6.0 | 6.4  |
| TECHNIQUE (RZ2)              | 7.0 | 6.0 | 7.3 | 6.3 | 6.7 | 6.0 | 6.0 | 7.7 | 5.0 | 6.0 | 6.4  |
| MET 1                        | 6.7 | 6.0 | 7.7 | 6.3 | 6.0 | 6.0 | 6.0 | 7.7 | 5.3 | 6.0 | 6.4  |
| MET-3                        | 7.0 | 5.7 | 7.0 | 7.0 | 6.7 | 6.0 | 6.3 | 7.3 | 5.0 | 5.7 | 6.4  |
| AMITY (CCR2)                 | 6.3 | 6.0 | 7.7 | 6.3 | 6.7 | 6.0 | 6.0 | 7.7 | 5.0 | 6.0 | 6.4  |
| FIREWALL (PSG-WE1)           | 6.7 | 6.0 | 7.3 | 7.0 | 6.7 | 5.7 | 6.0 | 7.3 | 5.0 | 6.0 | 6.4  |
| THOR (PPG-TF-157)            | 7.0 | 5.7 | 7.3 | 7.0 | 6.0 | 5.7 | 6.0 | 7.0 | 5.3 | 6.7 | 6.4  |
| SUPERSONIC (PPG-TF-170)      | 6.3 | 6.0 | 7.3 | 7.0 | 6.3 | 6.0 | 6.0 | 7.0 | 5.3 | 6.0 | 6.3  |
| IS-TF 311                    | 7.0 | 6.0 | 7.0 | 7.0 | 6.3 | 6.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.3  |
| MERIDIAN (PST-5GRB)          | 7.0 | 5.3 | 7.0 | 6.3 | 6.3 | 6.0 | 6.0 | 8.0 | 5.0 | 6.3 | 6.3  |
| PARAMOUNT (PPG-TF-137)       | 6.3 | 6.0 | 7.0 | 7.0 | 6.3 | 6.0 | 6.0 | 7.3 | 5.0 | 6.3 | 6.3  |
| RHIZING MOON (IS-TF 305 SEL) | 7.0 | 5.7 | 7.3 | 6.7 | 6.0 | 6.0 | 6.0 | 7.3 | 5.3 | 6.0 | 6.3  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 7.3 | 5.7 | 6.7 | 6.3 | 6.0 | 5.7 | 6.0 | 7.7 | 5.7 | 6.3 | 6.3  |
| TRAVERSE 2 SRP (W45)         | 7.3 | 5.7 | 7.7 | 6.3 | 6.7 | 6.0 | 6.0 | 7.0 | 5.0 | 5.7 | 6.3  |
| HEMI                         | 6.7 | 5.3 | 7.7 | 7.0 | 6.3 | 6.3 | 6.0 | 7.3 | 5.0 | 5.3 | 6.3  |
| AVENGER II (PPG-TF-156)      | 6.7 | 6.3 | 7.0 | 6.3 | 6.3 | 6.0 | 6.0 | 7.3 | 5.0 | 6.0 | 6.3  |
| FIREBIRD 2                   | 6.7 | 5.3 | 7.3 | 6.3 | 6.7 | 6.0 | 6.0 | 7.3 | 5.0 | 6.3 | 6.3  |
| K12-13                       | 7.3 | 6.0 | 6.3 | 6.3 | 5.7 | 6.7 | 6.3 | 7.0 | 5.0 | 6.3 | 6.3  |
| OLYMPUS (RAD-TF-88)          | 7.0 | 6.3 | 6.3 | 6.7 | 6.3 | 6.0 | 6.7 | 7.3 | 5.0 | 5.3 | 6.3  |
| RAPTOR III (ZW 44)           | 7.0 | 5.0 | 7.7 | 6.7 | 6.7 | 6.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.3  |
| TITANIUM 2LS (PPG-TF-152)    | 7.0 | 6.0 | 7.3 | 6.3 | 6.3 | 6.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.3  |
| VALKYRIE LS (PPG-TF-172)     | 6.3 | 6.0 | 7.7 | 6.7 | 6.0 | 5.7 | 6.0 | 7.3 | 5.0 | 6.0 | 6.3  |
| FIRECRACKER SLS (PPG-TF-105) | 7.0 | 5.7 | 7.3 | 5.3 | 6.7 | 6.0 | 6.0 | 7.3 | 5.7 | 5.7 | 6.3  |
| 4TH MILLENNIUM SRP (U43)     | 6.3 | 6.0 | 7.7 | 6.0 | 6.7 | 6.0 | 6.0 | 7.3 | 5.0 | 5.3 | 6.2  |
| B23                          | 6.3 | 5.7 | 8.0 | 5.3 | 6.7 | 6.3 | 6.0 | 7.0 | 5.0 | 6.0 | 6.2  |
| BIZEM                        | 6.7 | 5.7 | 7.7 | 6.0 | 6.3 | 6.0 | 6.0 | 7.0 | 5.3 | 5.7 | 6.2  |
| FOXHOUND (IS-TF 284 M2)      | 7.0 | 5.3 | 7.3 | 6.3 | 6.0 | 6.0 | 6.0 | 7.0 | 5.0 | 6.3 | 6.2  |
| JS 916                       | 6.3 | 5.0 | 7.3 | 7.0 | 6.3 | 6.0 | 6.0 | 7.3 | 5.3 | 5.7 | 6.2  |
| XTENDER (PPG-TF-139)         | 6.3 | 5.7 | 7.7 | 6.0 | 6.7 | 6.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.2  |
| F711                         | 6.0 | 5.7 | 7.3 | 6.3 | 6.0 | 6.0 | 6.0 | 7.3 | 5.7 | 6.0 | 6.2  |
| PPG-TF-135                   | 6.3 | 6.0 | 7.7 | 6.3 | 6.3 | 5.7 | 6.0 | 7.3 | 5.0 | 5.7 | 6.2  |
| TEMPLE (DZ1)                 | 6.0 | 6.3 | 7.0 | 6.0 | 6.0 | 6.3 | 6.0 | 7.3 | 5.7 | 5.7 | 6.2  |
| K12-05                       | 6.7 | 5.7 | 7.3 | 6.3 | 6.0 | 6.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.2  |
| THUNDERSTRUCK (TD1)          | 7.0 | 6.0 | 7.3 | 6.3 | 6.0 | 6.0 | 5.7 | 7.0 | 5.3 | 5.3 | 6.2  |
| HOVER (BURL TF-69)           | 7.0 | 5.3 | 7.0 | 6.7 | 6.0 | 6.0 | 6.3 | 7.0 | 5.0 | 5.3 | 6.2  |
| REFLECTION (U45)             | 6.0 | 5.7 | 7.3 | 5.7 | 6.3 | 6.0 | 6.0 | 7.3 | 5.3 | 6.0 | 6.2  |
| IS-TF 308 SEL                | 6.3 | 5.3 | 7.0 | 6.0 | 6.7 | 6.0 | 6.0 | 7.0 | 5.0 | 6.3 | 6.2  |

TABLE 22. (CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                      | CT1 | CA3 | IA1 | IL1 | IN1 | MO1 | MS1 | NC1 | NE1 | OK1 | MEAN |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| PSG-P01                   | 6.7 | 6.0 | 7.0 | 6.0 | 6.3 | 5.7 | 6.0 | 7.0 | 5.0 | 6.0 | 6.2  |
| RAD-TF-89                 | 6.0 | 5.7 | 7.3 | 6.3 | 6.3 | 6.7 | 6.0 | 7.0 | 5.0 | 5.3 | 6.2  |
| SCREAMER LS (PPG-TF-148)  | 6.7 | 6.0 | 7.0 | 6.0 | 6.3 | 5.7 | 6.0 | 7.0 | 5.0 | 6.0 | 6.2  |
| W41                       | 6.7 | 6.0 | 7.3 | 7.0 | 5.7 | 6.0 | 6.0 | 7.0 | 5.0 | 5.0 | 6.2  |
| HOT ROD (BURL TF-136)     | 7.0 | 5.3 | 7.3 | 6.0 | 6.0 | 5.3 | 6.0 | 7.3 | 5.3 | 5.7 | 6.1  |
| REBOUNDER (PICK-W43)      | 6.7 | 5.7 | 7.7 | 6.0 | 5.3 | 6.0 | 6.0 | 7.3 | 5.3 | 5.3 | 6.1  |
| CATALYST                  | 6.7 | 5.3 | 7.3 | 6.0 | 6.3 | 6.0 | 6.0 | 7.0 | 5.0 | 5.7 | 6.1  |
| DIABLO (IS-TF 330)        | 6.3 | 5.3 | 7.7 | 6.3 | 6.0 | 6.0 | 6.0 | 7.0 | 5.0 | 5.7 | 6.1  |
| FAITH                     | 5.7 | 6.0 | 7.0 | 6.3 | 6.3 | 6.3 | 6.0 | 7.0 | 5.0 | 5.7 | 6.1  |
| EMBRACE (PST-5EV2)        | 5.7 | 5.0 | 7.3 | 5.7 | 6.0 | 6.0 | 6.0 | 7.0 | 6.0 | 6.3 | 6.1  |
| UNITUS (IS-TF 289)        | 6.7 | 4.3 | 7.0 | 6.7 | 6.0 | 5.7 | 6.0 | 7.3 | 5.3 | 6.0 | 6.1  |
| COMP. RES. SST            | 7.0 | 6.7 | 6.0 | 5.7 | 5.7 | 6.0 | 6.0 | 7.3 | 5.0 | 5.7 | 6.1  |
| GTO (BURL TF-2)           | 6.3 | 5.7 | 7.7 | 6.0 | 5.7 | 5.7 | 6.0 | 7.0 | 5.3 | 5.7 | 6.1  |
| KINGDOM (DB1)             | 6.3 | 5.3 | 6.7 | 7.0 | 6.0 | 6.0 | 6.0 | 7.3 | 5.0 | 5.3 | 6.1  |
| MAESTRO (T31)             | 6.7 | 6.0 | 7.7 | 5.7 | 6.0 | 5.3 | 5.7 | 7.0 | 5.7 | 5.3 | 6.1  |
| ROCKWELL (LTP-TWUU)       | 6.3 | 5.3 | 7.3 | 6.3 | 6.0 | 6.0 | 6.0 | 7.0 | 5.0 | 5.7 | 6.1  |
| TURFWAY (IS-TF 282 M2)    | 6.3 | 5.3 | 7.0 | 6.0 | 6.3 | 6.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.1  |
| DYNAMITE LS (PPG-TF-145)  | 6.0 | 5.7 | 7.0 | 5.7 | 6.0 | 6.0 | 6.0 | 7.0 | 5.3 | 6.0 | 6.1  |
| FALCON V                  | 7.0 | 5.7 | 7.0 | 6.0 | 5.7 | 6.0 | 6.0 | 7.0 | 5.0 | 5.3 | 6.1  |
| GRANDE 3                  | 6.0 | 5.7 | 7.0 | 6.0 | 6.0 | 5.7 | 6.0 | 7.0 | 5.3 | 6.0 | 6.1  |
| NIGHTCRAWLER (IS-TF 285)  | 7.3 | 4.7 | 6.7 | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 5.3 | 5.7 | 6.1  |
| ROWDY (SRX-TPC)           | 6.7 | 5.7 | 7.0 | 6.0 | 5.7 | 6.0 | 6.0 | 7.0 | 5.3 | 5.3 | 6.1  |
| WICHITA (PPG-TF-151)      | 6.3 | 5.7 | 7.0 | 5.7 | 5.7 | 6.0 | 6.0 | 7.3 | 5.0 | 6.0 | 6.1  |
| BULLSEYE                  | 6.0 | 5.7 | 7.3 | 5.3 | 6.0 | 6.0 | 6.0 | 7.0 | 5.3 | 6.0 | 6.1  |
| IS-TF 269 SEL             | 6.3 | 5.7 | 7.0 | 6.3 | 6.0 | 5.7 | 6.0 | 7.0 | 5.0 | 5.7 | 6.1  |
| K12-MCD                   | 6.3 | 5.0 | 6.3 | 6.3 | 6.0 | 6.0 | 6.0 | 7.0 | 5.7 | 6.0 | 6.1  |
| MEMPHIS (GO-DFR)          | 6.0 | 5.3 | 6.7 | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 5.7 | 6.0 | 6.1  |
| RHAMBLER 2 SRP (LSD)      | 6.3 | 6.0 | 7.3 | 5.0 | 6.0 | 5.7 | 6.0 | 7.0 | 5.0 | 6.3 | 6.1  |
| 204 RES. BLK4             | 7.3 | 6.3 | 5.0 | 6.0 | 6.0 | 6.7 | 6.3 | 6.7 | 4.3 | 5.7 | 6.0  |
| ANNIHILATOR               | 7.3 | 5.0 | 5.7 | 6.0 | 6.3 | 6.3 | 5.7 | 7.0 | 5.3 | 5.7 | 6.0  |
| ATF 1612                  | 6.0 | 5.7 | 7.0 | 6.0 | 6.3 | 6.0 | 5.7 | 7.0 | 5.3 | 5.3 | 6.0  |
| BLOODHOUND (MET 6 SEL)    | 5.7 | 5.7 | 7.3 | 6.7 | 6.0 | 6.0 | 5.7 | 7.0 | 5.3 | 5.0 | 6.0  |
| CAESAR (TY 10)            | 6.3 | 5.0 | 7.0 | 6.3 | 5.7 | 6.0 | 6.0 | 7.0 | 5.7 | 5.3 | 6.0  |
| IS-TF-287                 | 7.0 | 5.3 | 6.3 | 7.0 | 5.7 | 5.7 | 6.0 | 6.7 | 5.0 | 5.7 | 6.0  |
| PPG-TF-169                | 6.3 | 5.3 | 7.3 | 6.0 | 6.0 | 5.7 | 6.0 | 7.0 | 5.3 | 5.3 | 6.0  |
| PST-5DZP                  | 6.3 | 5.3 | 7.3 | 5.3 | 6.0 | 5.7 | 6.0 | 7.0 | 5.0 | 6.3 | 6.0  |
| JS 809                    | 6.7 | 5.7 | 6.7 | 5.7 | 5.7 | 6.0 | 6.0 | 7.0 | 5.0 | 5.7 | 6.0  |
| JS 819                    | 6.0 | 5.7 | 6.3 | 6.3 | 6.0 | 5.7 | 6.0 | 6.7 | 5.3 | 6.0 | 6.0  |
| MICHELANGELO (LTP-F5DPDR) | 6.3 | 5.3 | 6.7 | 6.7 | 5.3 | 6.3 | 6.0 | 7.0 | 5.0 | 5.3 | 6.0  |
| TERRANO                   | 6.0 | 5.3 | 7.3 | 5.7 | 5.7 | 5.3 | 6.0 | 7.0 | 6.0 | 5.7 | 6.0  |
| IS-TF 276 M2              | 5.7 | 5.3 | 7.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.7 | 5.3 | 5.7 | 6.0  |
| PST-5MVD                  | 6.0 | 5.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.7 | 7.0 | 5.7 | 5.7 | 6.0  |

TABLE 22. (CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                   | CT1 | CA3  | IA1 | IL1  | IN1 | MO1 | MS1 | NC1 | NE1 | OK1 | MEAN |
|------------------------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|------|
| JS 818                 | 7.0 | 5.0  | 6.3 | 5.7  | 5.7 | 6.0 | 6.0 | 7.3 | 5.3 | 5.3 | 6.0  |
| ARES (PPG-TF-142)      | 6.3 | 4.7  | 7.3 | 5.7  | 6.0 | 5.7 | 6.0 | 7.0 | 5.0 | 6.0 | 6.0  |
| MARAUDER               | 7.0 | 5.7  | 5.7 | 5.0  | 6.0 | 6.3 | 6.0 | 7.0 | 5.3 | 5.7 | 6.0  |
| PPG-TF-115             | 5.7 | 5.3  | 7.3 | 5.0  | 6.0 | 5.7 | 5.7 | 7.0 | 6.0 | 6.0 | 6.0  |
| PPG-TF-138             | 6.3 | 5.0  | 7.0 | 6.0  | 6.3 | 5.3 | 6.0 | 7.0 | 5.0 | 5.7 | 6.0  |
| ATF 1704               | 5.7 | 5.7  | 6.3 | 5.7  | 6.0 | 6.0 | 6.0 | 7.0 | 5.3 | 5.7 | 5.9  |
| ATF 1754               | 5.3 | 5.7  | 7.3 | 6.3  | 5.7 | 5.3 | 6.0 | 7.0 | 5.0 | 5.3 | 5.9  |
| LEONARDO (LTP-FSD)     | 6.0 | 5.0  | 7.0 | 5.7  | 5.7 | 5.7 | 6.0 | 7.0 | 5.7 | 5.3 | 5.9  |
| RAD-TF-92              | 6.7 | 5.0  | 6.7 | 6.0  | 5.3 | 6.0 | 6.0 | 7.0 | 5.0 | 5.3 | 5.9  |
| WARHAWK                | 7.0 | 4.7  | 6.3 | 5.0  | 5.3 | 6.0 | 6.0 | 7.0 | 5.3 | 6.3 | 5.9  |
| RAD-TF-83              | 7.0 | 4.7  | 7.3 | 6.0  | 5.3 | 5.7 | 6.0 | 7.0 | 5.0 | 4.7 | 5.9  |
| SALTILLO (PST-5SALT)   | 6.3 | 4.3  | 7.3 | 5.3  | 5.7 | 6.0 | 5.3 | 7.0 | 5.7 | 5.7 | 5.9  |
| ATF 1736               | 6.0 | 4.7  | 6.3 | 6.0  | 5.7 | 6.0 | 6.0 | 7.0 | 5.3 | 5.3 | 5.8  |
| FESNOVA                | 6.0 | 5.0  | 7.0 | 5.7  | 6.0 | 5.3 | 6.0 | 7.0 | 5.3 | 5.0 | 5.8  |
| PSG-8BP2               | 5.7 | 4.7  | 6.3 | 6.7  | 5.7 | 5.3 | 5.3 | 6.7 | 6.0 | 6.0 | 5.8  |
| PSG-TT4                | 5.3 | 4.7  | 6.7 | 5.7  | 6.3 | 5.7 | 5.3 | 7.3 | 6.0 | 5.3 | 5.8  |
| SWAGGER (PST-5R05)     | 5.7 | 4.7  | 7.0 | 4.7  | 6.0 | 6.0 | 6.0 | 7.0 | 5.3 | 6.0 | 5.8  |
| BAR FA 121095          | 6.0 | 5.0  | 6.3 | 5.3  | 5.7 | 6.0 | 6.0 | 6.7 | 5.3 | 5.3 | 5.8  |
| PST-5BP0               | 5.7 | 4.7  | 7.0 | 5.3  | 5.3 | 5.7 | 5.7 | 7.0 | 6.0 | 5.3 | 5.8  |
| TEMPTATION (OR-21)     | 6.0 | 4.7  | 6.3 | 4.7  | 5.3 | 6.0 | 6.0 | 6.7 | 5.7 | 6.0 | 5.7  |
| FRONTLINE (EXP TF-09)  | 5.7 | 5.3  | 6.7 | 5.3  | 5.3 | 5.7 | 5.3 | 7.0 | 5.3 | 5.3 | 5.7  |
| PSG-GSD                | 5.0 | 5.7  | 7.0 | 4.7  | 6.0 | 5.3 | 5.3 | 6.3 | 6.0 | 5.3 | 5.7  |
| PST-5BRK               | 5.3 | 4.7  | 7.0 | 5.0  | 5.7 | 6.0 | 5.7 | 6.7 | 5.7 | 5.0 | 5.7  |
| FALCON IV              | 6.0 | 4.7  | 7.0 | 4.7  | 5.7 | 5.7 | 5.3 | 6.3 | 6.0 | 5.0 | 5.6  |
| RAIN DANCE (PST-5SDT)  | 5.7 | 4.7  | 6.7 | 4.7  | 5.3 | 5.3 | 5.3 | 7.0 | 6.0 | 5.3 | 5.6  |
| AQUADUCT               | 6.0 | 4.7  | 6.0 | 4.7  | 6.0 | 6.0 | 5.0 | 6.7 | 5.7 | 5.0 | 5.6  |
| BAR FA 121089          | 6.0 | 4.7  | 6.0 | 4.7  | 5.3 | 5.7 | 5.7 | 7.0 | 5.7 | 5.0 | 5.6  |
| BAR FA 121091          | 5.7 | 5.0  | 6.3 | 4.7  | 5.7 | 5.7 | 5.0 | 6.7 | 6.0 | 5.0 | 5.6  |
| PST-5EX2               | 5.0 | 4.3  | 6.7 | 5.7  | 5.3 | 5.3 | 6.0 | 6.3 | 5.3 | 5.0 | 5.5  |
| JS 825                 | 6.0 | 3.7  | 6.3 | 5.0  | 5.3 | 5.0 | 5.3 | 6.7 | 6.0 | 5.3 | 5.5  |
| INSPIRATION (PST-R5NW) | 5.0 | 4.3  | 7.0 | 4.3  | 6.0 | 5.3 | 5.3 | 6.7 | 5.7 | 5.0 | 5.5  |
| BAR FA 120878          | 4.0 | 3.7  | 6.0 | 3.3  | 4.0 | 5.3 | 4.0 | 5.7 | 6.0 | 5.0 | 4.7  |
| KY-31                  | 2.0 | 2.0  | 3.7 | 2.0  | 3.0 | 3.0 | 3.0 | 5.0 | 7.0 | 4.0 | 3.5  |
| LSD VALUE              | 1.0 | 1.0  | 0.9 | 1.3  | 0.8 | 0.7 | 0.4 | 0.6 | 0.6 | 0.8 | 0.3  |
| C.V. (%)               | 9.4 | 11.4 | 8.3 | 13.4 | 8.6 | 7.7 | 4.5 | 5.6 | 7.3 | 8.5 | 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 23.

 SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
 2015 DATA

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

| NAME                         | NC1 | NAME                     | NC1 |
|------------------------------|-----|--------------------------|-----|
| MERIDIAN (PST-5GRB)          | 8.3 | AMITY (CCR2)             | 7.7 |
| TEMPLE (DZ1)                 | 8.3 | ATF 1704                 | 7.7 |
| 4TH MILLENNIUM SRP (U43)     | 8.0 | ATF 1754                 | 7.7 |
| AVENGER II (PPG-TF-156)      | 8.0 | BAR FA 121095            | 7.7 |
| BIZEM                        | 8.0 | BLOODHOUND (MET 6 SEL)   | 7.7 |
| BLACK TAIL (PPG-TF-150)      | 8.0 | CAESAR (TY 10)           | 7.7 |
| SUPERSONIC (PPG-TF-170)      | 8.0 | CATALYST                 | 7.7 |
| COMP. RES. SST               | 8.0 | DYNAMITE LS (PPG-TF-145) | 7.7 |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 8.0 | EMBRACE (PST-5EV2)       | 7.7 |
| DIABLO (IS-TF 330)           | 8.0 | FAITH                    | 7.7 |
| F711                         | 8.0 | FALCON V                 | 7.7 |
| FIREBIRD 2                   | 8.0 | FAYETTE (IS-TF 291)      | 7.7 |
| FIRECRACKER SLS (PPG-TF-105) | 8.0 | FOXHOUND (IS-TF 284 M2)  | 7.7 |
| FIREWALL (PSG-WE1)           | 8.0 | HOT ROD (BURL TF-136)    | 7.7 |
| GRANDE 3                     | 8.0 | HOUNDOG8 (IS-TF 307 SEL) | 7.7 |
| GTO (BURL TF-2)              | 8.0 | HOVER (BURL TF-69)       | 7.7 |
| HEMI                         | 8.0 | IS-TF 272                | 7.7 |
| IS-TF 269 SEL                | 8.0 | IS-TF 276 M2             | 7.7 |
| IS-TF 311                    | 8.0 | IS-TF 308 SEL            | 7.7 |
| IS-TF-287                    | 8.0 | JS 809                   | 7.7 |
| K12-05                       | 8.0 | JS 818                   | 7.7 |
| KINGDOM (DB1)                | 8.0 | JS 916                   | 7.7 |
| LEONARDO (LTP-FSD)           | 8.0 | K12-13                   | 7.7 |
| MEMPHIS (GO-DFR)             | 8.0 | MAESTRO (T31)            | 7.7 |
| MET-3                        | 8.0 | MET 1                    | 7.7 |
| OLYMPUS (RAD-TF-88)          | 8.0 | PSG-P01                  | 7.7 |
| PARAMOUNT (PPG-TF-137)       | 8.0 | PSG-TT4                  | 7.7 |
| PPG-TF-135                   | 8.0 | PST-5DZP                 | 7.7 |
| PPG-TF-138                   | 8.0 | RAD-TF-83                | 7.7 |
| VALKYRIE LS (PPG-TF-172)     | 8.0 | RAD-TF-92                | 7.7 |
| REFLECTION (U45)             | 8.0 | RAPTOR III (ZW 44)       | 7.7 |
| REGENERATE                   | 8.0 | REBOUNDER (PICK-W43)     | 7.7 |
| RHAMBLER 2 SRP (LSD)         | 8.0 | ROCKWELL (LTP-TWUU)      | 7.7 |
| ROWDY (SRX-TPC)              | 8.0 | TEMPTATION (OR-21)       | 7.7 |
| SCREAMER LS (PPG-TF-148)     | 8.0 | UNITUS (IS-TF 289)       | 7.7 |
| TECHNIQUE (RZ2)              | 8.0 | WICHITA (PPG-TF-151)     | 7.7 |
| THUNDERSTRUCK (TD1)          | 8.0 | XTENDER (PPG-TF-139)     | 7.7 |
| TITANIUM 2LS (PPG-TF-152)    | 8.0 | ANNIHILATOR              | 7.3 |
| TRAVERSE 2 SRP (W45)         | 8.0 | AQUADUCT                 | 7.3 |
| TURFWAY (IS-TF 282 M2)       | 8.0 | ATF 1612                 | 7.3 |
| W41                          | 8.0 | B23                      | 7.3 |
| 204 RES. BLK4                | 7.7 | BAR FA 121089            | 7.3 |

TABLE 23. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

| NAME                         | NC1 |
|------------------------------|-----|
| JS 819                       | 7.3 |
| MARAUDER                     | 7.3 |
| MICHELANGELO (LTP-F5DPDR)    | 7.3 |
| PPG-TF-115                   | 7.3 |
| PPG-TF-169                   | 7.3 |
| PSG-GSD                      | 7.3 |
| PST-5BP0                     | 7.3 |
| PST-5BRK                     | 7.3 |
| PST-5MVD                     | 7.3 |
| RAD-TF-89                    | 7.3 |
| RHIZING MOON (IS-TF 305 SEL) | 7.3 |
| SALTILLO (PST-5SALT)         | 7.3 |
| SWAGGER (PST-5R05)           | 7.3 |
| TERRANO                      | 7.3 |
| THOR (PPG-TF-157)            | 7.3 |
| WARHAWK                      | 7.3 |
| ARES (PPG-TF-142)            | 7.0 |
| ATF 1736                     | 7.0 |
| FESNOVA                      | 7.0 |
| FRONTLINE (EXP TF-09)        | 7.0 |
| JS 825                       | 7.0 |
| K12-MCD                      | 7.0 |
| NIGHTCRAWLER (IS-TF 285)     | 7.0 |
| PSG-8BP2                     | 7.0 |
| PST-5EX2                     | 7.0 |
| RAIN DANCE (PST-5SDT)        | 7.0 |
| BAR FA 121091                | 6.7 |
| BULLSEYE                     | 6.7 |
| FALCON IV                    | 6.7 |
| INSPIRATION (PST-R5NW)       | 6.7 |
| BAR FA 120878                | 5.0 |
| KY-31                        | 5.0 |
| LSD VALUE                    | 0.9 |
| C.V. (%)                     | 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 24. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                         | CA3 | IN1 | NC1 | OK1 | MEAN |
|------------------------------|-----|-----|-----|-----|------|
| AMITY (CCR2)                 | 7.0 | 7.7 | 7.3 | 6.0 | 7.0  |
| GRANDE 3                     | 6.7 | 6.7 | 8.0 | 6.3 | 6.9  |
| MET 1                        | 6.7 | 7.0 | 7.7 | 6.0 | 6.8  |
| PPG-TF-135                   | 7.0 | 6.7 | 7.7 | 6.0 | 6.8  |
| REFLECTION (U45)             | 7.7 | 6.7 | 7.3 | 5.7 | 6.8  |
| 4TH MILLENNIUM SRP (U43)     | 7.3 | 7.0 | 8.0 | 5.0 | 6.8  |
| PARAMOUNT (PPG-TF-137)       | 6.7 | 7.0 | 7.7 | 5.7 | 6.8  |
| FIRECRACKER SLS (PPG-TF-105) | 7.0 | 7.3 | 7.0 | 5.7 | 6.8  |
| HOT ROD (BURL TF-136)        | 7.3 | 7.0 | 7.0 | 5.7 | 6.8  |
| EMBRACE (PST-5EV2)           | 6.7 | 6.0 | 7.7 | 6.3 | 6.7  |
| FIREWALL (PSG-WE1)           | 7.7 | 6.0 | 7.0 | 6.0 | 6.7  |
| MAESTRO (T31)                | 6.7 | 6.7 | 7.3 | 6.0 | 6.7  |
| TECHNIQUE (RZ2)              | 7.0 | 6.3 | 7.7 | 5.7 | 6.7  |
| IS-TF 311                    | 7.3 | 6.7 | 7.3 | 5.3 | 6.7  |
| VALKYRIE LS (PPG-TF-172)     | 7.0 | 6.3 | 8.0 | 5.3 | 6.7  |
| FALCON V                     | 6.7 | 7.0 | 7.0 | 5.7 | 6.6  |
| FIREBIRD 2                   | 6.7 | 6.7 | 7.3 | 5.7 | 6.6  |
| IS-TF 308 SEL                | 7.0 | 6.7 | 7.7 | 5.0 | 6.6  |
| MET-3                        | 7.0 | 5.7 | 8.0 | 5.7 | 6.6  |
| TITANIUM 2LS (PPG-TF-152)    | 6.3 | 6.7 | 7.7 | 5.7 | 6.6  |
| DIABLO (IS-TF 330)           | 7.0 | 6.0 | 7.3 | 6.0 | 6.6  |
| F711                         | 7.0 | 6.3 | 8.0 | 5.0 | 6.6  |
| PPG-TF-169                   | 6.7 | 6.0 | 7.3 | 6.3 | 6.6  |
| REGENERATE                   | 7.0 | 7.3 | 7.0 | 5.0 | 6.6  |
| PSG-P01                      | 6.7 | 6.0 | 7.7 | 5.7 | 6.5  |
| BIZEM                        | 7.0 | 6.3 | 7.0 | 5.7 | 6.5  |
| BLACK TAIL (PPG-TF-150)      | 7.0 | 6.0 | 7.0 | 6.0 | 6.5  |
| HOUNDOG8 (IS-TF 307 SEL)     | 6.7 | 6.0 | 7.3 | 6.0 | 6.5  |
| MERIDIAN (PST-5GRB)          | 6.7 | 7.3 | 6.0 | 6.0 | 6.5  |
| PPG-TF-115                   | 7.0 | 7.0 | 6.0 | 6.0 | 6.5  |
| PPG-TF-138                   | 6.3 | 6.7 | 7.3 | 5.7 | 6.5  |
| ROWDY (SRX-TPC)              | 6.3 | 6.3 | 7.3 | 6.0 | 6.5  |
| BLOODHOUND (MET 6 SEL)       | 6.3 | 6.7 | 7.7 | 5.0 | 6.4  |
| SUPERSONIC (PPG-TF-170)      | 5.7 | 7.3 | 7.7 | 5.0 | 6.4  |
| FAYETTE (IS-TF 291)          | 6.0 | 7.0 | 6.7 | 6.0 | 6.4  |
| GTO (BURL TF-2)              | 6.7 | 6.3 | 7.0 | 5.7 | 6.4  |
| KINGDOM (DB1)                | 6.7 | 6.0 | 8.0 | 5.0 | 6.4  |
| WICHITA (PPG-TF-151)         | 6.3 | 6.0 | 7.7 | 5.7 | 6.4  |
| ROCKWELL (LTP-TWUU)          | 7.0 | 6.3 | 7.0 | 5.3 | 6.4  |
| SCREAMER LS (PPG-TF-148)     | 7.0 | 6.3 | 7.0 | 5.3 | 6.4  |
| THUNDERSTRUCK (TD1)          | 7.0 | 5.3 | 7.3 | 6.0 | 6.4  |



TABLE 24. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT') 2015 DATA

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

| NAME                         | CA3 | IN1 | NC1 | OK1 | MEAN |
|------------------------------|-----|-----|-----|-----|------|
| CATALYST                     | 6.7 | 7.0 | 7.0 | 4.7 | 6.3  |
| PST-5BPO                     | 6.0 | 6.7 | 7.7 | 5.0 | 6.3  |
| PST-5DZP                     | 6.7 | 6.0 | 7.0 | 5.7 | 6.3  |
| RAPTOR III (ZW 44)           | 5.7 | 6.7 | 8.0 | 5.0 | 6.3  |
| ATF 1704                     | 6.7 | 6.0 | 7.3 | 5.3 | 6.3  |
| AVENGER II (PPG-TF-156)      | 5.7 | 6.3 | 7.3 | 6.0 | 6.3  |
| DYNAMITE LS (PPG-TF-145)     | 6.3 | 7.0 | 7.0 | 5.0 | 6.3  |
| JS 916                       | 6.3 | 5.7 | 7.3 | 6.0 | 6.3  |
| REBOUNDER (PICK-W43)         | 6.0 | 6.3 | 7.3 | 5.7 | 6.3  |
| TERRANO                      | 6.0 | 6.3 | 7.0 | 6.0 | 6.3  |
| TRAVERSE 2 SRP (W45)         | 6.0 | 6.7 | 7.3 | 5.3 | 6.3  |
| W41                          | 6.0 | 6.3 | 7.3 | 5.7 | 6.3  |
| SALTILLO (PST-5SALT)         | 6.7 | 5.7 | 7.0 | 5.7 | 6.3  |
| HEMI                         | 6.7 | 6.0 | 7.0 | 5.3 | 6.3  |
| IS-TF 269 SEL                | 6.3 | 6.7 | 6.7 | 5.3 | 6.3  |
| IS-TF 276 M2                 | 6.3 | 6.7 | 6.7 | 5.3 | 6.3  |
| LEONARDO (LTP-FSD)           | 6.3 | 6.0 | 7.0 | 5.7 | 6.3  |
| PSG-8BP2                     | 6.0 | 6.0 | 7.0 | 6.0 | 6.3  |
| PSG-GSD                      | 6.0 | 6.3 | 7.0 | 5.7 | 6.3  |
| TEMPLE (DZ1)                 | 7.0 | 6.3 | 6.7 | 5.0 | 6.3  |
| THOR (PPG-TF-157)            | 6.0 | 6.3 | 6.7 | 6.0 | 6.3  |
| K12-MCD                      | 7.0 | 5.3 | 7.3 | 5.3 | 6.3  |
| BULLSEYE                     | 6.3 | 5.7 | 7.0 | 5.7 | 6.2  |
| FESNOVA                      | 6.7 | 6.0 | 6.3 | 5.7 | 6.2  |
| RHAMBLER 2 SRP (LSD)         | 5.7 | 6.3 | 6.7 | 6.0 | 6.2  |
| RHIZING MOON (IS-TF 305 SEL) | 6.0 | 6.0 | 7.0 | 5.7 | 6.2  |
| TURFWAY (IS-TF 282 M2)       | 6.0 | 6.3 | 6.7 | 5.7 | 6.2  |
| B23                          | 5.7 | 6.3 | 7.3 | 5.3 | 6.2  |
| FAITH                        | 6.3 | 6.0 | 6.3 | 6.0 | 6.2  |
| MICHELANGELO (LTP-F5DPDR)    | 6.0 | 6.3 | 6.3 | 6.0 | 6.2  |
| OLYMPUS (RAD-TF-88)          | 7.0 | 6.3 | 7.0 | 4.3 | 6.2  |
| FOXHOUND (IS-TF 284 M2)      | 6.7 | 5.7 | 7.0 | 5.0 | 6.1  |
| ATF 1736                     | 6.3 | 6.0 | 6.3 | 5.7 | 6.1  |
| ATF 1754                     | 6.3 | 7.0 | 6.3 | 4.7 | 6.1  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 6.0 | 6.3 | 6.7 | 5.3 | 6.1  |
| HOVER (BURL TF-69)           | 6.3 | 7.0 | 5.7 | 5.3 | 6.1  |
| K12-05                       | 6.7 | 6.3 | 6.3 | 5.0 | 6.1  |
| UNITUS (IS-TF 289)           | 5.7 | 6.3 | 6.3 | 6.0 | 6.1  |
| MEMPHIS (GO-DFR)             | 6.0 | 5.7 | 6.7 | 5.7 | 6.0  |
| IS-TF-287                    | 6.0 | 5.0 | 6.7 | 6.3 | 6.0  |
| NIGHTCRAWLER (IS-TF 285)     | 6.3 | 6.7 | 6.3 | 4.7 | 6.0  |
| SWAGGER (PST-5R05)           | 6.0 | 6.0 | 6.3 | 5.7 | 6.0  |

TABLE 24. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

| NAME                   | DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/ |      |      |      | MEAN |
|------------------------|---|------|------|------|------|
|                        | CA3                                       | IN1  | NC1  | OK1  |      |
| TEMPTATION (OR-21)     | 6.3                                       | 5.7  | 6.7  | 5.3  | 6.0  |
| XTENDER (PPG-TF-139)   | 6.0                                       | 6.0  | 7.0  | 5.0  | 6.0  |
| CAESAR (TY 10)         | 6.0                                       | 5.7  | 6.7  | 5.3  | 5.9  |
| JS 818                 | 6.3                                       | 5.3  | 6.3  | 5.7  | 5.9  |
| PST-5EX2               | 5.7                                       | 6.0  | 7.0  | 5.0  | 5.9  |
| FALCON IV              | 6.3                                       | 6.3  | 6.0  | 5.0  | 5.9  |
| IS-TF 272              | 6.3                                       | 6.3  | 5.7  | 5.3  | 5.9  |
| JS 809                 | 6.3                                       | 5.3  | 7.0  | 5.0  | 5.9  |
| RAD-TF-89              | 6.7                                       | 5.3  | 6.3  | 5.3  | 5.9  |
| BAR FA 121091          | 6.0                                       | 5.7  | 6.7  | 5.0  | 5.8  |
| INSPIRATION (PST-R5NW) | 6.3                                       | 5.7  | 6.7  | 4.7  | 5.8  |
| ARES (PPG-TF-142)      | 5.7                                       | 6.0  | 6.3  | 5.3  | 5.8  |
| BAR FA 121095          | 6.7                                       | 5.3  | 6.3  | 5.0  | 5.8  |
| PST-5BRK               | 5.0                                       | 6.0  | 7.0  | 5.3  | 5.8  |
| PST-5MVD               | 5.7                                       | 6.0  | 6.3  | 5.3  | 5.8  |
| ATF 1612               | 5.7                                       | 6.0  | 6.7  | 4.7  | 5.8  |
| 204 RES. BLK4          | 7.0                                       | 4.0  | 6.7  | 5.3  | 5.8  |
| AQUADUCT               | 5.0                                       | 6.0  | 7.0  | 5.0  | 5.8  |
| JS 819                 | 5.7                                       | 5.3  | 6.7  | 5.3  | 5.8  |
| RAIN DANCE (PST-5SDT)  | 6.0                                       | 5.3  | 6.7  | 5.0  | 5.8  |
| K12-13                 | 6.3                                       | 5.0  | 6.3  | 5.3  | 5.8  |
| ANNIHILATOR            | 6.3                                       | 5.0  | 6.7  | 4.7  | 5.7  |
| RAD-TF-92              | 6.3                                       | 5.7  | 6.7  | 4.0  | 5.7  |
| FRONTLINE (EXP TF-09)  | 5.7                                       | 5.3  | 6.7  | 4.7  | 5.6  |
| PSG-TT4                | 5.0                                       | 5.7  | 6.7  | 4.7  | 5.5  |
| BAR FA 121089          | 5.7                                       | 5.0  | 6.7  | 4.3  | 5.4  |
| COMP. RES. SST         | 6.7                                       | 4.3  | 6.7  | 4.0  | 5.4  |
| JS 825                 | 4.7                                       | 5.0  | 7.0  | 5.0  | 5.4  |
| WARHAWK                | 5.3                                       | 4.3  | 6.3  | 5.3  | 5.3  |
| RAD-TF-83              | 5.7                                       | 5.7  | 6.0  | 3.7  | 5.3  |
| MARAUDER               | 6.0                                       | 5.0  | 6.3  | 3.7  | 5.3  |
| BAR FA 120878          | 5.3                                       | 5.3  | 5.7  | 4.3  | 5.2  |
| KY-31                  | 3.0                                       | 4.0  | 5.3  | 3.0  | 3.8  |
| LSD VALUE              | 1.2                                       | 1.1  | 1.5  | 1.4  | 0.6  |
| C.V. (%)               | 11.6                                      | 11.5 | 13.2 | 15.9 | 13.0 |

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 25.

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                        | NC1 | OK1 | MEAN | NAME                         | NC1 | OK1 | MEAN |
|-----------------------------|-----|-----|------|------------------------------|-----|-----|------|
| PARAMOUNT (PPG-TF-137)      | 8.3 | 6.7 | 7.5  | K12-05                       | 7.7 | 6.0 | 6.8  |
| TECHNIQUE (RZ2)             | 9.0 | 6.0 | 7.5  | K12-MCD                      | 8.0 | 5.7 | 6.8  |
| AMITY (CCR2)                | 8.0 | 6.7 | 7.3  | LEONARDO (LTP-FSD)           | 8.0 | 5.7 | 6.8  |
| PPG-TF-135                  | 8.0 | 6.7 | 7.3  | MET 1                        | 8.0 | 5.7 | 6.8  |
| TITANIUM 2LS (PPG-TF-152)   | 8.7 | 6.0 | 7.3  | PPG-TF-115                   | 7.7 | 6.0 | 6.8  |
| TRAVERSE 2 SRP (W45)        | 8.7 | 6.0 | 7.3  | PPG-TF-169                   | 8.3 | 5.3 | 6.8  |
| F711                        | 8.3 | 6.0 | 7.2  | PSG-GSD                      | 7.7 | 6.0 | 6.8  |
| MAESTRO (T31)               | 7.7 | 6.7 | 7.2  | PSG-PO1                      | 8.0 | 5.7 | 6.8  |
| BLACK TAIL (PPG-TF-150)     | 8.0 | 6.3 | 7.2  | PST-5BPO                     | 8.0 | 5.7 | 6.8  |
| FAITH                       | 8.0 | 6.3 | 7.2  | PST-5BRK                     | 8.0 | 5.7 | 6.8  |
| HOT ROD (BURL TF-136)       | 8.0 | 6.3 | 7.2  | PST-5EX2                     | 8.0 | 5.7 | 6.8  |
| MET-3                       | 8.0 | 6.3 | 7.2  | RAD-TF-89                    | 7.7 | 6.0 | 6.8  |
| REFLECTION (U45)            | 8.0 | 6.3 | 7.2  | RAIN DANCE (PST-5SDT)        | 8.0 | 5.7 | 6.8  |
| SCREAMER LS (PPG-TF-148)    | 8.0 | 6.3 | 7.2  | REGENERATE                   | 8.0 | 5.7 | 6.8  |
| ATF 1704                    | 8.3 | 5.7 | 7.0  | RHIZING MOON (IS-TF 305 SEL) | 7.7 | 6.0 | 6.8  |
| AVENGER II (PPG-TF-156)     | 7.7 | 6.3 | 7.0  | ROCKWELL (LTP-TWUU)          | 8.0 | 5.7 | 6.8  |
| EMBRACE (PST-5EV2)          | 8.0 | 6.0 | 7.0  | ROWDY (SRX-TPC)              | 8.0 | 5.7 | 6.8  |
| FIREBIRD 2                  | 7.7 | 6.3 | 7.0  | THUNDERSTRUCK (TD1)          | 8.0 | 5.7 | 6.8  |
| FIREWALL (PSG-WE1)          | 8.0 | 6.0 | 7.0  | W41                          | 7.7 | 6.0 | 6.8  |
| GRANDE 3                    | 8.0 | 6.0 | 7.0  | B23                          | 7.7 | 5.7 | 6.7  |
| GTO (BURL TF-2)             | 8.0 | 6.0 | 7.0  | BIZEM                        | 7.7 | 5.7 | 6.7  |
| HOUNDOG8 (IS-TF 307 SEL)    | 8.0 | 6.0 | 7.0  | FALCON V                     | 7.7 | 5.7 | 6.7  |
| IS-TF 308 SEL               | 8.0 | 6.0 | 7.0  | FAYETTE (IS-TF 291)          | 7.7 | 5.7 | 6.7  |
| IS-TF-287                   | 7.3 | 6.7 | 7.0  | MEMPHIS (GO-DFR)             | 7.7 | 5.7 | 6.7  |
| MICHELANGELO (LTP-F5DPDR)   | 8.0 | 6.0 | 7.0  | PPG-TF-138                   | 7.7 | 5.7 | 6.7  |
| VALKYRIE LS (PPG-TF-172)    | 8.3 | 5.7 | 7.0  | PSG-8BP2                     | 7.7 | 5.7 | 6.7  |
| RAPTOR III (ZW 44)          | 8.3 | 5.7 | 7.0  | PST-5MVD                     | 7.7 | 5.7 | 6.7  |
| REBOUNDER (PICK-W43)        | 7.7 | 6.3 | 7.0  | RHAMBLER 2 SRP (LSD)         | 7.7 | 5.7 | 6.7  |
| SALTILLO (PST-5SALT)        | 8.0 | 6.0 | 7.0  | 4TH MILLENNIUM SRP (U43)     | 8.0 | 5.3 | 6.7  |
| SWAGGER (PST-5R05)          | 8.0 | 6.0 | 7.0  | BLOODHOUND (MET 6 SEL)       | 8.0 | 5.3 | 6.7  |
| THOR (PPG-TF-157)           | 7.7 | 6.3 | 7.0  | BULLSEYE                     | 7.3 | 6.0 | 6.7  |
| WICHITA (PPG-TF-151)        | 8.0 | 6.0 | 7.0  | DIABLO (IS-TF 330)           | 7.3 | 6.0 | 6.7  |
| XTENDER (PPG-TF-139)        | 8.0 | 6.0 | 7.0  | FIRECRACKER SLS (PPG-TF-105) | 8.0 | 5.3 | 6.7  |
| AQUADUCT                    | 8.0 | 5.7 | 6.8  | IS-TF 269 SEL                | 8.0 | 5.3 | 6.7  |
| CATALYST                    | 7.7 | 6.0 | 6.8  | IS-TF 276 M2                 | 8.0 | 5.3 | 6.7  |
| SUPERSONIC (PPG-TF-170)     | 7.7 | 6.0 | 6.8  | PST-5DZP                     | 7.3 | 6.0 | 6.7  |
| CROSSFIRE 4 (IS-TF 310 SEL) | 7.7 | 6.0 | 6.8  | ATF 1736                     | 7.0 | 6.0 | 6.5  |
| FOXHOUND (IS-TF 284 M2)     | 8.0 | 5.7 | 6.8  | BAR FA 121091                | 7.7 | 5.3 | 6.5  |
| HEMI                        | 8.0 | 5.7 | 6.8  | BAR FA 121095                | 7.7 | 5.3 | 6.5  |
| IS-TF 311                   | 7.7 | 6.0 | 6.8  | DYNAMITE LS (PPG-TF-145)     | 7.7 | 5.3 | 6.5  |
| JS 916                      | 8.0 | 5.7 | 6.8  | FESNOVA                      | 7.7 | 5.3 | 6.5  |
|                             |     |     |      | HOVER (BURL TF-69)           | 7.7 | 5.3 | 6.5  |

TABLE 25. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

| NAME                     | NC1 | OK1  | MEAN |
|--------------------------|-----|------|------|
| IS-TF 272                | 7.0 | 6.0  | 6.5  |
| MERIDIAN (PST-5GRB)      | 7.0 | 6.0  | 6.5  |
| NIGHTCRAWLER (IS-TF 285) | 7.0 | 6.0  | 6.5  |
| TEMPLE (DZ1)             | 7.0 | 6.0  | 6.5  |
| TEMPTATION (OR-21)       | 7.3 | 5.7  | 6.5  |
| TERRANO                  | 7.3 | 5.7  | 6.5  |
| TURFWAY (IS-TF 282 M2)   | 7.0 | 6.0  | 6.5  |
| ARES (PPG-TF-142)        | 7.0 | 5.7  | 6.3  |
| ATF 1612                 | 7.7 | 5.0  | 6.3  |
| FALCON IV                | 7.7 | 5.0  | 6.3  |
| JS 809                   | 7.7 | 5.0  | 6.3  |
| JS 818                   | 7.7 | 5.0  | 6.3  |
| KINGDOM (DB1)            | 7.7 | 5.0  | 6.3  |
| 204 RES. BLK4            | 7.3 | 5.3  | 6.3  |
| CAESAR (TY 10)           | 7.3 | 5.3  | 6.3  |
| K12-13                   | 7.3 | 5.3  | 6.3  |
| OLYMPUS (RAD-TF-88)      | 7.3 | 5.3  | 6.3  |
| UNITUS (IS-TF 289)       | 7.3 | 5.3  | 6.3  |
| BAR FA 121089            | 7.7 | 4.7  | 6.2  |
| ATF 1754                 | 7.0 | 5.3  | 6.2  |
| INSPIRATION (PST-R5NW)   | 7.0 | 5.3  | 6.2  |
| RAD-TF-83                | 7.3 | 5.0  | 6.2  |
| RAD-TF-92                | 7.0 | 5.3  | 6.2  |
| FRONTLINE (EXP TF-09)    | 7.3 | 4.7  | 6.0  |
| JS 819                   | 7.3 | 4.7  | 6.0  |
| PSG-TT4                  | 7.3 | 4.7  | 6.0  |
| WARHAWK                  | 7.0 | 5.0  | 6.0  |
| ANNIHILATOR              | 7.0 | 4.7  | 5.8  |
| COMP. RES. SST           | 7.0 | 4.7  | 5.8  |
| MARAUDER                 | 7.0 | 4.7  | 5.8  |
| BAR FA 120878            | 6.3 | 5.0  | 5.7  |
| JS 825                   | 6.7 | 4.3  | 5.5  |
| KY-31                    | 6.7 | 4.0  | 5.3  |
| LSD VALUE                | 0.8 | 0.9  | 0.6  |
| C.V. (%)                 | 6.2 | 10.3 | 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 26. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME                        | NC1  | OK1  | TN1  | MEAN |
|-----------------------------|------|------|------|------|
| AVENGER II (PPG-TF-156)     | 94.7 | 95.0 | 97.3 | 95.7 |
| TECHNIQUE (RZ2)             | 96.3 | 93.3 | 97.3 | 95.7 |
| EMBRACE (PST-5EV2)          | 93.0 | 96.3 | 97.3 | 95.6 |
| PST-5EX2                    | 94.7 | 94.7 | 97.0 | 95.4 |
| IS-TF 308 SEL               | 94.7 | 92.7 | 97.3 | 94.9 |
| BLOODHOUND (MET 6 SEL)      | 94.7 | 91.7 | 97.0 | 94.4 |
| HOUND08 (IS-TF 307 SEL)     | 90.0 | 96.3 | 97.0 | 94.4 |
| HOT ROD (BURL TF-136)       | 94.7 | 91.0 | 96.7 | 94.1 |
| DIABLO (IS-TF 330)          | 93.3 | 92.0 | 97.0 | 94.1 |
| ROWDY (SRX-TPC)             | 91.7 | 93.3 | 97.0 | 94.0 |
| TRAVERSE 2 SRP (W45)        | 94.7 | 90.7 | 96.7 | 94.0 |
| XTENDER (PPG-TF-139)        | 90.0 | 94.7 | 97.3 | 94.0 |
| CROSSFIRE 4 (IS-TF 310 SEL) | 91.7 | 92.7 | 97.0 | 93.8 |
| PST-5BRK                    | 90.0 | 94.0 | 97.3 | 93.8 |
| IS-TF-287                   | 93.3 | 90.3 | 97.0 | 93.6 |
| MICHELANGELO (LTP-F5DPDR)   | 95.0 | 88.3 | 97.3 | 93.6 |
| RAIN DANCE (PST-5SDT)       | 93.3 | 90.3 | 97.0 | 93.6 |
| FAITH                       | 91.7 | 92.0 | 96.7 | 93.4 |
| VALKYRIE LS (PPG-TF-172)    | 94.7 | 89.7 | 96.0 | 93.4 |
| RHAMBLER 2 SRP (LSD)        | 91.7 | 91.3 | 97.3 | 93.4 |
| SWAGGER (PST-5R05)          | 90.0 | 92.7 | 97.3 | 93.3 |
| FIREBIRD 2                  | 90.0 | 92.7 | 97.0 | 93.2 |
| TURFWAY (IS-TF 282 M2)      | 90.0 | 91.7 | 97.7 | 93.1 |
| GTO (BURL TF-2)             | 96.3 | 86.7 | 96.3 | 93.1 |
| AQUADUCT                    | 93.3 | 88.3 | 97.0 | 92.9 |
| TEMPLE (DZ1)                | 90.0 | 91.7 | 96.7 | 92.8 |
| WICHITA (PPG-TF-151)        | 93.0 | 87.7 | 97.7 | 92.8 |
| BIZEM                       | 96.3 | 85.0 | 97.0 | 92.8 |
| F711                        | 97.7 | 83.3 | 97.0 | 92.7 |
| K12-MCD                     | 88.3 | 92.3 | 97.3 | 92.7 |
| SUPERSONIC (PPG-TF-170)     | 88.3 | 92.7 | 96.3 | 92.4 |
| TERRANO                     | 88.3 | 91.7 | 97.3 | 92.4 |
| BLACK TAIL (PPG-TF-150)     | 90.0 | 91.0 | 96.0 | 92.3 |
| FOXHOUND (IS-TF 284 M2)     | 85.0 | 94.0 | 97.3 | 92.1 |
| MAESTRO (T31)               | 93.3 | 86.7 | 96.3 | 92.1 |
| IS-TF 311                   | 91.3 | 87.7 | 96.7 | 91.9 |
| PSG-GSD                     | 91.7 | 86.7 | 97.3 | 91.9 |
| THOR (PPG-TF-157)           | 91.7 | 86.3 | 97.7 | 91.9 |
| PPG-TF-138                  | 88.3 | 90.0 | 96.7 | 91.7 |
| RAD-TF-89                   | 91.7 | 87.0 | 96.0 | 91.6 |
| REFLECTION (U45)            | 91.7 | 86.0 | 96.7 | 91.4 |
| PST-5BPO                    | 91.7 | 86.0 | 96.3 | 91.3 |

TABLE 26. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME                         | NC1  | OK1  | TN1  | MEAN |
|------------------------------|------|------|------|------|
| REBOUNDER (PICK-W43)         | 94.7 | 81.7 | 97.0 | 91.1 |
| AMITY (CCR2)                 | 93.3 | 82.7 | 97.0 | 91.0 |
| TITANIUM 2LS (PPG-TF-152)    | 94.7 | 81.7 | 96.7 | 91.0 |
| MERIDIAN (PST-5GRB)          | 93.0 | 81.7 | 97.3 | 90.7 |
| FESNOVA                      | 89.7 | 85.0 | 97.0 | 90.6 |
| HEMI                         | 90.0 | 85.0 | 96.7 | 90.6 |
| KY-31                        | 83.3 | 91.7 | 96.7 | 90.6 |
| ATF 1704                     | 96.3 | 78.3 | 97.0 | 90.6 |
| SCREAMER LS (PPG-TF-148)     | 93.0 | 81.7 | 96.7 | 90.4 |
| INSPIRATION (PST-R5NW)       | 88.3 | 85.7 | 97.0 | 90.3 |
| JS 819                       | 83.3 | 90.7 | 97.0 | 90.3 |
| PARAMOUNT (PPG-TF-137)       | 94.7 | 79.3 | 97.0 | 90.3 |
| K12-05                       | 90.0 | 83.3 | 97.0 | 90.1 |
| LEONARDO (LTP-FSD)           | 91.7 | 81.7 | 96.7 | 90.0 |
| PSG-8BP2                     | 85.0 | 88.3 | 96.7 | 90.0 |
| PST-5MVD                     | 91.7 | 81.7 | 96.3 | 89.9 |
| WARHAWK                      | 86.7 | 85.7 | 97.3 | 89.9 |
| FRONTLINE (EXP TF-09)        | 90.0 | 82.3 | 97.0 | 89.8 |
| GRANDE 3                     | 95.0 | 78.0 | 96.3 | 89.8 |
| FALCON IV                    | 91.7 | 81.0 | 96.0 | 89.6 |
| IS-TF 269 SEL                | 90.0 | 81.7 | 97.0 | 89.6 |
| MET 1                        | 91.7 | 80.0 | 96.7 | 89.4 |
| PSG-TT4                      | 86.7 | 85.0 | 96.7 | 89.4 |
| REGENERATE                   | 93.0 | 78.3 | 96.7 | 89.3 |
| W41                          | 88.3 | 83.3 | 96.3 | 89.3 |
| BULLSEYE                     | 86.7 | 83.3 | 96.7 | 88.9 |
| ROCKWELL (LTP-TWUU)          | 96.0 | 73.3 | 97.0 | 88.8 |
| CAESAR (TY 10)               | 91.7 | 76.7 | 97.3 | 88.6 |
| UNITUS (IS-TF 289)           | 88.3 | 80.0 | 97.0 | 88.4 |
| IS-TF 276 M2                 | 86.7 | 81.7 | 96.7 | 88.3 |
| TEMPTATION (OR-21)           | 86.7 | 81.3 | 97.0 | 88.3 |
| B23                          | 90.0 | 77.3 | 96.7 | 88.0 |
| MET-3                        | 97.7 | 70.0 | 96.3 | 88.0 |
| PPG-TF-135                   | 91.7 | 75.0 | 97.3 | 88.0 |
| RHIZING MOON (IS-TF 305 SEL) | 85.0 | 81.7 | 97.0 | 87.9 |
| SALTILLO (PST-5SALT)         | 86.7 | 80.0 | 97.0 | 87.9 |
| 4TH MILLENNIUM SRP (U43)     | 96.3 | 71.0 | 96.3 | 87.9 |
| ATF 1754                     | 93.3 | 73.3 | 97.0 | 87.9 |
| FIREWALL (PSG-WE1)           | 94.7 | 71.7 | 97.0 | 87.8 |
| MEMPHIS (GO-DFR)             | 86.7 | 80.0 | 96.7 | 87.8 |
| ARES (PPG-TF-142)            | 85.0 | 81.7 | 96.3 | 87.7 |
| PPG-TF-169                   | 97.7 | 68.7 | 96.7 | 87.7 |

TABLE 26. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME                         | NC1  | OK1  | TN1  | MEAN |
|------------------------------|------|------|------|------|
| JS 818                       | 83.3 | 82.0 | 97.0 | 87.4 |
| JS 916                       | 90.0 | 75.0 | 97.0 | 87.3 |
| NIGHTCRAWLER (IS-TF 285)     | 86.7 | 78.3 | 96.7 | 87.2 |
| BAR FA 120878                | 86.7 | 78.3 | 96.0 | 87.0 |
| CATALYST                     | 96.3 | 67.7 | 96.7 | 86.9 |
| RAPTOR III (ZW 44)           | 91.7 | 71.7 | 97.3 | 86.9 |
| ATF 1736                     | 88.3 | 76.0 | 96.3 | 86.9 |
| BAR FA 121091                | 88.3 | 75.0 | 96.7 | 86.7 |
| BAR FA 121089                | 88.3 | 75.0 | 96.3 | 86.6 |
| JS 825                       | 83.3 | 80.0 | 96.0 | 86.4 |
| PSG-PO1                      | 93.3 | 69.3 | 96.7 | 86.4 |
| PST-5DZP                     | 85.0 | 76.7 | 96.7 | 86.1 |
| IS-TF 272                    | 83.3 | 77.3 | 97.0 | 85.9 |
| FIRECRACKER SLS (PPG-TF-105) | 91.7 | 67.7 | 97.0 | 85.4 |
| FALCON V                     | 90.0 | 70.0 | 96.3 | 85.4 |
| JS 809                       | 83.3 | 76.7 | 96.0 | 85.3 |
| PPG-TF-115                   | 83.3 | 75.0 | 97.0 | 85.1 |
| FAYETTE (IS-TF 291)          | 88.3 | 69.3 | 97.3 | 85.0 |
| HOVER (BURL TF-69)           | 90.0 | 68.3 | 96.0 | 84.8 |
| BAR FA 121095                | 78.3 | 78.3 | 96.3 | 84.3 |
| ATF 1612                     | 91.3 | 63.3 | 96.7 | 83.8 |
| DYNAMITE LS (PPG-TF-145)     | 83.3 | 68.7 | 96.3 | 82.8 |
| RAD-TF-83                    | 86.7 | 63.3 | 96.0 | 82.0 |
| KINGDOM (DB1)                | 88.3 | 58.3 | 96.3 | 81.0 |
| THUNDERSTRUCK (TD1)          | 88.3 | 56.0 | 96.3 | 80.2 |
| ANNIHILATOR                  | 85.0 | 56.7 | 97.3 | 79.7 |
| RAD-TF-92                    | 90.0 | 50.0 | 96.7 | 78.9 |
| 204 RES. BLK4                | 83.3 | 53.3 | 97.3 | 78.0 |
| K12-13                       | 78.3 | 57.7 | 97.0 | 77.7 |
| OLYMPUS (RAD-TF-88)          | 88.3 | 48.3 | 96.3 | 77.7 |
| MARAUDER                     | 85.0 | 43.3 | 97.3 | 75.2 |
| COMP. RES. SST               | 85.0 | 28.3 | 97.3 | 70.2 |
| LSD VALUE                    | 7.7  | 29.0 | 0.9  | 10.0 |
| C.V. (%)                     | 5.3  | 22.5 | 0.6  | 12.1 |

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

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

TABLE 27.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

## PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME                         | NC1  | TN1  | MEAN | NAME                         | NC1  | TN1  | MEAN |
|------------------------------|------|------|------|------------------------------|------|------|------|
| PSG-8BP2                     | 99.0 | 98.0 | 98.5 | BIZEM                        | 99.0 | 92.0 | 95.5 |
| KY-31                        | 99.0 | 97.3 | 98.2 | IS-TF 276 M2                 | 99.0 | 92.0 | 95.5 |
| RHAMBLER 2 SRP (LSD)         | 99.0 | 97.0 | 98.0 | FAYETTE (IS-TF 291)          | 97.7 | 93.0 | 95.3 |
| BAR FA 121091                | 99.0 | 95.7 | 97.3 | FIREBIRD 2                   | 99.0 | 91.7 | 95.3 |
| FOXHOUND (IS-TF 284 M2)      | 99.0 | 95.7 | 97.3 | JS 819                       | 99.0 | 91.7 | 95.3 |
| AQUADUCT                     | 99.0 | 95.3 | 97.2 | RAPTOR III (ZW 44)           | 99.0 | 91.7 | 95.3 |
| PST-5EX2                     | 99.0 | 95.3 | 97.2 | ATF 1612                     | 99.0 | 91.3 | 95.2 |
| DIABLO (IS-TF 330)           | 99.0 | 95.0 | 97.0 | EMBRACE (PST-5EV2)           | 99.0 | 91.3 | 95.2 |
| DYNAMITE LS (PPG-TF-145)     | 99.0 | 95.0 | 97.0 | GRANDE 3                     | 99.0 | 91.3 | 95.2 |
| JS 809                       | 99.0 | 95.0 | 97.0 | MARAUDER                     | 99.0 | 91.3 | 95.2 |
| K12-05                       | 98.3 | 95.7 | 97.0 | ROCKWELL (LTP-TWUU)          | 99.0 | 91.3 | 95.2 |
| LEONARDO (LTP-FSD)           | 99.0 | 95.0 | 97.0 | TRAVERSE 2 SRP (W45)         | 99.0 | 91.3 | 95.2 |
| INSPIRATION (PST-R5NW)       | 99.0 | 94.7 | 96.8 | W41                          | 99.0 | 91.3 | 95.2 |
| JS 916                       | 99.0 | 94.7 | 96.8 | AVENGER II (PPG-TF-156)      | 99.0 | 91.0 | 95.0 |
| PST-5BRK                     | 99.0 | 94.7 | 96.8 | FRONTLINE (EXP TF-09)        | 97.0 | 93.0 | 95.0 |
| TEMPLE (DZ1)                 | 99.0 | 94.7 | 96.8 | WICHITA (PPG-TF-151)         | 99.0 | 91.0 | 95.0 |
| 4TH MILLENNIUM SRP (U43)     | 99.0 | 94.3 | 96.7 | VALKYRIE LS (PPG-TF-172)     | 99.0 | 90.7 | 94.8 |
| F711                         | 99.0 | 94.3 | 96.7 | PPG-TF-138                   | 99.0 | 90.3 | 94.7 |
| PSG-GSD                      | 99.0 | 94.3 | 96.7 | SALTILLO (PST-5SALT)         | 99.0 | 90.3 | 94.7 |
| SWAGGER (PST-5R05)           | 99.0 | 94.3 | 96.7 | ATF 1736                     | 99.0 | 90.0 | 94.5 |
| WARHAWK                      | 99.0 | 94.3 | 96.7 | FALCON V                     | 99.0 | 90.0 | 94.5 |
| ROWDY (SRX-TPC)              | 99.0 | 94.0 | 96.5 | IS-TF 311                    | 99.0 | 90.0 | 94.5 |
| TERRANO                      | 99.0 | 94.0 | 96.5 | B23                          | 99.0 | 89.7 | 94.3 |
| SUPERSONIC (PPG-TF-170)      | 99.0 | 93.7 | 96.3 | BAR FA 121089                | 99.0 | 89.7 | 94.3 |
| FIRECRACKER SLS (PPG-TF-105) | 99.0 | 93.7 | 96.3 | CATALYST                     | 99.0 | 89.7 | 94.3 |
| JS 818                       | 99.0 | 93.7 | 96.3 | HOUNDOG8 (IS-TF 307 SEL)     | 99.0 | 89.7 | 94.3 |
| JS 825                       | 99.0 | 93.7 | 96.3 | IS-TF-287                    | 99.0 | 89.7 | 94.3 |
| XTENDER (PPG-TF-139)         | 99.0 | 93.7 | 96.3 | MICHELANGELO (LTP-F5DPDR)    | 99.0 | 89.7 | 94.3 |
| K12-MCD                      | 99.0 | 93.3 | 96.2 | NIGHTCRAWLER (IS-TF 285)     | 99.0 | 89.7 | 94.3 |
| THUNDERSTRUCK (TD1)          | 99.0 | 93.3 | 96.2 | REFLECTION (U45)             | 99.0 | 89.7 | 94.3 |
| 204 RES. BLK4                | 99.0 | 93.0 | 96.0 | RHIZING MOON (IS-TF 305 SEL) | 98.3 | 90.3 | 94.3 |
| BAR FA 120878                | 99.0 | 93.0 | 96.0 | PSG-TT4                      | 96.0 | 92.3 | 94.2 |
| FAITH                        | 99.0 | 93.0 | 96.0 | AMITY (CCR2)                 | 99.0 | 89.0 | 94.0 |
| FESNOVA                      | 99.0 | 93.0 | 96.0 | ATF 1754                     | 99.0 | 89.0 | 94.0 |
| K12-13                       | 99.0 | 93.0 | 96.0 | CROSSFIRE 4 (IS-TF 310 SEL)  | 99.0 | 89.0 | 94.0 |
| MET-3                        | 99.0 | 92.7 | 95.8 | MEMPHIS (GO-DFR)             | 99.0 | 89.0 | 94.0 |
| ANNIHILATOR                  | 99.0 | 92.3 | 95.7 | MERIDIAN (PST-5GRB)          | 96.0 | 92.0 | 94.0 |
| BULLSEYE                     | 99.0 | 92.3 | 95.7 | PPG-TF-169                   | 99.0 | 89.0 | 94.0 |
| FALCON IV                    | 99.0 | 92.3 | 95.7 | TEMPTATION (OR-21)           | 98.3 | 89.7 | 94.0 |
| GTO (BURL TF-2)              | 99.0 | 92.3 | 95.7 | FIREWALL (PSG-WE1)           | 99.0 | 88.7 | 93.8 |
| TITANIUM 2LS (PPG-TF-152)    | 99.0 | 92.3 | 95.7 | HEMI                         | 99.0 | 88.7 | 93.8 |
| BAR FA 121095                | 99.0 | 92.0 | 95.5 | MET 1                        | 99.0 | 88.7 | 93.8 |



TABLE 27. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME                     | NC1  | TN1  | MEAN |
|--------------------------|------|------|------|
| PPG-TF-115               | 96.0 | 91.7 | 93.8 |
| RAIN DANCE (PST-5SDT)    | 99.0 | 88.7 | 93.8 |
| OLYMPUS (RAD-TF-88)      | 99.0 | 88.3 | 93.7 |
| THOR (PPG-TF-157)        | 99.0 | 88.3 | 93.7 |
| BLACK TAIL (PPG-TF-150)  | 99.0 | 88.0 | 93.5 |
| PST-5BP0                 | 99.0 | 88.0 | 93.5 |
| PST-5DZP                 | 99.0 | 88.0 | 93.5 |
| SCREAMER LS (PPG-TF-148) | 99.0 | 88.0 | 93.5 |
| UNITUS (IS-TF 289)       | 99.0 | 88.0 | 93.5 |
| ATF 1704                 | 99.0 | 87.7 | 93.3 |
| IS-TF 269 SEL            | 97.7 | 89.0 | 93.3 |
| BLOODHOUND (MET 6 SEL)   | 99.0 | 87.3 | 93.2 |
| COMP. RES. SST           | 99.0 | 87.3 | 93.2 |
| HOT ROD (BURL TF-136)    | 99.0 | 86.7 | 92.8 |
| HOVER (BURL TF-69)       | 99.0 | 86.3 | 92.7 |
| IS-TF 308 SEL            | 99.0 | 86.3 | 92.7 |
| MAESTRO (T31)            | 99.0 | 86.3 | 92.7 |
| RAD-TF-83                | 99.0 | 86.3 | 92.7 |
| RAD-TF-92                | 99.0 | 86.3 | 92.7 |
| CAESAR (TY 10)           | 99.0 | 86.0 | 92.5 |
| PPG-TF-135               | 99.0 | 85.7 | 92.3 |
| TURFWAY (IS-TF 282 M2)   | 98.3 | 86.3 | 92.3 |
| IS-TF 272                | 96.0 | 88.3 | 92.2 |
| REBOUNDER (PICK-W43)     | 99.0 | 85.3 | 92.2 |
| KINGDOM (DB1)            | 99.0 | 84.7 | 91.8 |
| PSG-PO1                  | 99.0 | 84.7 | 91.8 |
| TECHNIQUE (RZ2)          | 99.0 | 84.7 | 91.8 |
| PARAMOUNT (PPG-TF-137)   | 99.0 | 84.0 | 91.5 |
| PST-5MVD                 | 99.0 | 84.0 | 91.5 |
| REGENERATE               | 99.0 | 84.0 | 91.5 |
| RAD-TF-89                | 99.0 | 82.3 | 90.7 |
| ARES (PPG-TF-142)        | 99.0 | 81.3 | 90.2 |
| LSD VALUE                | 1.7  | 7.9  | 4.0  |
| C.V. (%)                 | 1.1  | 5.4  | 3.7  |

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 28. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

| PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/ |      |      |      |      |
|---|------|------|------|------|
| NAME  | NC1  | OK1  | TN1  | MEAN |
| SALTILLO (PST-5SALT)                              | 99.0 | 93.3 | 95.3 | 95.9 |
| FAYETTE (IS-TF 291)                               | 99.0 | 93.3 | 94.3 | 95.6 |
| EMBRACE (PST-5EV2)                                | 99.0 | 91.7 | 95.3 | 95.3 |
| AVENGER II (PPG-TF-156)                           | 99.0 | 91.7 | 94.7 | 95.1 |
| CROSSFIRE 4 (IS-TF 310 SEL)                       | 99.0 | 91.7 | 94.0 | 94.9 |
| RHAMBLER 2 SRP (LSD)                              | 99.0 | 90.0 | 95.3 | 94.8 |
| SWAGGER (PST-5R05)                                | 99.0 | 90.0 | 95.0 | 94.7 |
| PPG-TF-115  | 99.0 | 90.0 | 94.7 | 94.6 |
| PSG-GSD   | 99.0 | 90.0 | 94.7 | 94.6 |
| K12-MCD   | 99.0 | 90.0 | 94.3 | 94.4 |
| RAIN DANCE (PST-5SDT)                             | 99.0 | 90.0 | 94.0 | 94.3 |
| ROCKWELL (LTP-TWUU)                               | 99.0 | 88.3 | 95.0 | 94.1 |
| AQUADUCT  | 99.0 | 88.3 | 94.7 | 94.0 |
| LEONARDO (LTP-FSD)                                | 99.0 | 88.3 | 94.7 | 94.0 |
| TERRANO   | 99.0 | 88.3 | 94.7 | 94.0 |
| CAESAR (TY 10)                                    | 99.0 | 88.3 | 94.3 | 93.9 |
| DYNAMITE LS (PPG-TF-145)                          | 99.0 | 88.3 | 94.3 | 93.9 |
| FALCON IV   | 99.0 | 88.3 | 94.3 | 93.9 |
| THOR (PPG-TF-157)                                 | 99.0 | 88.3 | 94.3 | 93.9 |
| MAESTRO (T31)                                     | 99.0 | 88.3 | 94.0 | 93.8 |
| PARAMOUNT (PPG-TF-137)                            | 99.0 | 86.7 | 95.0 | 93.6 |
| PST-5BPO  | 99.0 | 86.7 | 94.3 | 93.3 |
| PSG-8BP2  | 99.0 | 86.7 | 94.0 | 93.2 |
| 4TH MILLENNIUM SRP (U43)                          | 99.0 | 85.0 | 95.3 | 93.1 |
| F711  | 99.0 | 85.0 | 95.3 | 93.1 |
| GTO (BURL TF-2)                                   | 99.0 | 85.0 | 95.3 | 93.1 |
| FESNOVA   | 99.0 | 85.0 | 95.0 | 93.0 |
| IS-TF-287   | 99.0 | 85.0 | 94.7 | 92.9 |
| MET-3   | 99.0 | 85.0 | 94.3 | 92.8 |
| FRONTLINE (EXP TF-09)                             | 99.0 | 85.0 | 94.0 | 92.7 |
| PPG-TF-135  | 99.0 | 85.0 | 93.7 | 92.6 |
| GRANDE 3  | 99.0 | 83.3 | 95.3 | 92.6 |
| PST-5BRK  | 99.0 | 83.3 | 95.3 | 92.6 |
| RHIZING MOON (IS-TF 305 SEL)                      | 99.0 | 83.3 | 95.3 | 92.6 |
| ATF 1736  | 99.0 | 83.3 | 95.0 | 92.4 |
| BIZEM   | 99.0 | 83.3 | 95.0 | 92.4 |
| MICHELANGELO (LTP-F5DPDR)                         | 99.0 | 83.3 | 95.0 | 92.4 |
| TEMPTATION (OR-21)                                | 98.3 | 85.0 | 94.0 | 92.4 |
| FAITH   | 99.0 | 83.3 | 94.7 | 92.3 |
| VALKYRIE LS (PPG-TF-172)                          | 99.0 | 83.3 | 94.7 | 92.3 |
| PST-5MVD  | 99.0 | 83.3 | 94.7 | 92.3 |
| SCREAMER LS (PPG-TF-148)                          | 99.0 | 83.3 | 94.7 | 92.3 |

TABLE 28. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

| PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/ |      |      |      |      |
|---|------|------|------|------|
| NAME  | NC1  | OK1  | TN1  | MEAN |
| HOUNDOG8 (IS-TF 307 SEL)                          | 99.0 | 83.3 | 94.3 | 92.2 |
| IS-TF 272   | 99.0 | 83.3 | 94.3 | 92.2 |
| PST-5DZP  | 99.0 | 83.3 | 94.3 | 92.2 |
| REGENERATE  | 99.0 | 83.3 | 94.3 | 92.2 |
| TURFWAY (IS-TF 282 M2)                            | 99.0 | 83.3 | 94.3 | 92.2 |
| IS-TF 311   | 99.0 | 83.3 | 94.0 | 92.1 |
| JS 819  | 99.0 | 83.3 | 94.0 | 92.1 |
| KY-31   | 99.0 | 85.0 | 92.3 | 92.1 |
| MERIDIAN (PST-5GRB)                               | 99.0 | 81.7 | 95.3 | 92.0 |
| FIREBIRD 2  | 99.0 | 81.7 | 95.0 | 91.9 |
| FIRECRACKER SLS (PPG-TF-105)                      | 99.0 | 81.7 | 95.0 | 91.9 |
| MET 1   | 99.0 | 81.7 | 95.0 | 91.9 |
| INSPIRATION (PST-R5NW)                            | 99.0 | 81.7 | 94.7 | 91.8 |
| IS-TF 308 SEL                                     | 99.0 | 81.7 | 94.7 | 91.8 |
| BAR FA 121091                                     | 99.0 | 81.7 | 94.3 | 91.7 |
| FOXHOUND (IS-TF 284 M2)                           | 99.0 | 81.7 | 94.3 | 91.7 |
| RAPTOR III (ZW 44)                                | 99.0 | 81.7 | 94.3 | 91.7 |
| THUNDERSTRUCK (TD1)                               | 99.0 | 81.7 | 94.3 | 91.7 |
| WICHITA (PPG-TF-151)                              | 99.0 | 81.7 | 94.3 | 91.7 |
| TECHNIQUE (RZ2)                                   | 99.0 | 81.7 | 93.7 | 91.4 |
| SUPERSONIC (PPG-TF-170)                           | 99.0 | 80.0 | 95.0 | 91.3 |
| ATF 1704  | 99.0 | 80.0 | 94.7 | 91.2 |
| K12-05  | 99.0 | 81.7 | 93.0 | 91.2 |
| TEMPLE (DZ1)                                      | 99.0 | 80.0 | 94.7 | 91.2 |
| ROWDY (SRX-TPC)                                   | 99.0 | 80.0 | 94.3 | 91.1 |
| TRAVERSE 2 SRP (W45)                              | 99.0 | 80.0 | 94.0 | 91.0 |
| AMITY (CCR2)                                      | 99.0 | 80.0 | 93.7 | 90.9 |
| PSG-TT4   | 99.0 | 78.3 | 95.0 | 90.8 |
| PST-5EX2  | 99.0 | 78.3 | 95.0 | 90.8 |
| BAR FA 121095                                     | 99.0 | 78.3 | 94.7 | 90.7 |
| CATALYST  | 99.0 | 78.3 | 94.7 | 90.7 |
| HEMI  | 99.0 | 78.3 | 94.0 | 90.4 |
| REBOUNDER (PICK-W43)                              | 99.0 | 78.3 | 94.0 | 90.4 |
| REFLECTION (U45)                                  | 99.0 | 76.7 | 95.0 | 90.2 |
| W41   | 99.0 | 76.7 | 94.7 | 90.1 |
| BAR FA 120878                                     | 99.0 | 76.7 | 94.3 | 90.0 |
| MEMPHIS (GO-DFR)                                  | 99.0 | 76.7 | 94.3 | 90.0 |
| PPG-TF-138  | 99.0 | 76.7 | 94.3 | 90.0 |
| UNITUS (IS-TF 289)                                | 99.0 | 76.7 | 94.3 | 90.0 |
| XTENDER (PPG-TF-139)                              | 99.0 | 76.7 | 94.3 | 90.0 |
| BAR FA 121089                                     | 99.0 | 75.0 | 94.7 | 89.6 |
| BLACK TAIL (PPG-TF-150)                           | 99.0 | 75.0 | 94.7 | 89.6 |

TABLE 28. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

| PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/ |      |      |      |      |
|---|------|------|------|------|
| NAME  | NC1  | OK1  | TN1  | MEAN |
| FIREWALL (PSG-WE1)                                | 99.0 | 75.0 | 94.7 | 89.6 |
| JS 818  | 99.0 | 75.0 | 94.7 | 89.6 |
| JS 825  | 99.0 | 75.0 | 94.7 | 89.6 |
| WARHAWK   | 99.0 | 75.0 | 94.7 | 89.6 |
| IS-TF 276 M2                                      | 99.0 | 75.0 | 94.3 | 89.4 |
| B23   | 99.0 | 75.0 | 94.0 | 89.3 |
| PSG-P01   | 99.0 | 75.0 | 94.0 | 89.3 |
| ARES (PPG-TF-142)                                 | 99.0 | 75.0 | 93.7 | 89.2 |
| RAD-TF-89   | 99.0 | 76.7 | 92.0 | 89.2 |
| NIGHTCRAWLER (IS-TF 285)                          | 99.0 | 73.3 | 94.3 | 88.9 |
| DIABLO (IS-TF 330)                                | 99.0 | 71.7 | 95.0 | 88.6 |
| JS 916  | 99.0 | 71.7 | 95.0 | 88.6 |
| HOT ROD (BURL TF-136)                             | 99.0 | 71.7 | 94.3 | 88.3 |
| ATF 1612  | 99.0 | 70.0 | 94.3 | 87.8 |
| K12-13  | 99.0 | 70.0 | 94.3 | 87.8 |
| PPG-TF-169  | 99.0 | 70.0 | 94.0 | 87.7 |
| JS 809  | 99.0 | 68.3 | 94.0 | 87.1 |
| FALCON V  | 99.0 | 68.3 | 93.3 | 86.9 |
| TITANIUM 2LS (PPG-TF-152)                         | 99.0 | 66.7 | 94.7 | 86.8 |
| ATF 1754  | 99.0 | 66.7 | 94.3 | 86.7 |
| BLOODHOUND (MET 6 SEL)                            | 99.0 | 65.0 | 94.7 | 86.2 |
| 204 RES. BLK4                                     | 99.0 | 63.3 | 95.3 | 85.9 |
| IS-TF 269 SEL                                     | 99.0 | 63.3 | 94.3 | 85.6 |
| COMP. RES. SST                                    | 99.0 | 61.7 | 95.3 | 85.3 |
| KINGDOM (DB1)                                     | 99.0 | 63.3 | 93.3 | 85.2 |
| BULLSEYE  | 99.0 | 61.7 | 95.0 | 85.2 |
| ANNIHILATOR                                       | 99.0 | 60.0 | 94.7 | 84.6 |
| RAD-TF-92   | 99.0 | 60.0 | 94.0 | 84.3 |
| MARAUDER  | 99.0 | 56.7 | 95.0 | 83.6 |
| RAD-TF-83   | 99.0 | 53.3 | 94.0 | 82.1 |
| OLYMPUS (RAD-TF-88)                               | 99.0 | 51.7 | 94.0 | 81.6 |
| HOVER (BURL TF-69)                                | 99.0 | 51.7 | 93.0 | 81.2 |
| LSD VALUE   | 0.2  | 22.7 | 1.5  | 7.6  |
| C.V. (%)  | 0.1  | 17.8 | 1.0  | 9.0  |

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

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

TABLE 29.

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                         | CA3 | MS1 | NC1 | MEAN | NAME                         | CA3 | MS1 | NC1 | MEAN |
|------------------------------|-----|-----|-----|------|------------------------------|-----|-----|-----|------|
| F711                         | 7.7 | 5.7 | 7.0 | 6.8  | SUPERSONIC (PPG-TF-170)      | 7.3 | 5.3 | 6.0 | 6.2  |
| GTO (BURL TF-2)              | 7.7 | 6.0 | 6.7 | 6.8  | EMBRACE (PST-5EV2)           | 7.3 | 5.3 | 6.0 | 6.2  |
| MET-3                        | 7.7 | 5.7 | 6.7 | 6.7  | FIREBIRD 2                   | 7.3 | 5.0 | 6.3 | 6.2  |
| SCREAMER LS (PPG-TF-148)     | 7.7 | 6.0 | 6.3 | 6.7  | IS-TF 276 M2                 | 7.3 | 5.0 | 6.3 | 6.2  |
| FAYETTE (IS-TF 291)          | 8.0 | 5.7 | 6.0 | 6.6  | IS-TF 311                    | 7.3 | 5.0 | 6.3 | 6.2  |
| HOT ROD (BURL TF-136)        | 8.0 | 5.0 | 6.7 | 6.6  | ROWDY (SRX-TPC)              | 7.3 | 5.0 | 6.3 | 6.2  |
| MICHELANGELO (LTP-F5DPDR)    | 7.3 | 5.7 | 6.7 | 6.6  | AMITY (CCR2)                 | 6.7 | 5.7 | 6.0 | 6.1  |
| PPG-TF-169                   | 7.0 | 6.0 | 6.7 | 6.6  | K12-MCD                      | 7.7 | 5.0 | 5.7 | 6.1  |
| TECHNIQUE (RZ2)              | 7.7 | 5.3 | 6.7 | 6.6  | REFLECTION (U45)             | 7.7 | 5.0 | 5.7 | 6.1  |
| TITANIUM 2LS (PPG-TF-152)    | 7.7 | 5.3 | 6.7 | 6.6  | TERRANO                      | 7.7 | 5.0 | 5.7 | 6.1  |
| TRAVERSE 2 SRP (W45)         | 7.7 | 5.3 | 6.7 | 6.6  | AQUADUCT                     | 7.0 | 5.0 | 6.3 | 6.1  |
| AVENGER II (PPG-TF-156)      | 7.3 | 6.0 | 6.3 | 6.6  | B23                          | 7.0 | 5.3 | 6.0 | 6.1  |
| K12-05                       | 8.0 | 5.3 | 6.3 | 6.6  | FRONTLINE (EXP TF-09)        | 7.0 | 5.0 | 6.3 | 6.1  |
| PARAMOUNT (PPG-TF-137)       | 7.3 | 6.0 | 6.3 | 6.6  | GRANDE 3                     | 6.7 | 5.3 | 6.3 | 6.1  |
| 4TH MILLENNIUM SRP (U43)     | 7.7 | 5.0 | 6.7 | 6.4  | IS-TF 308 SEL                | 7.0 | 5.0 | 6.3 | 6.1  |
| MAESTRO (T31)                | 7.7 | 5.7 | 6.0 | 6.4  | KINGDOM (DB1)                | 7.0 | 5.0 | 6.3 | 6.1  |
| BLOODHOUND (MET 6 SEL)       | 7.3 | 5.7 | 6.3 | 6.4  | PST-5BPO                     | 7.3 | 5.0 | 6.0 | 6.1  |
| CATALYST                     | 7.3 | 5.3 | 6.7 | 6.4  | RAD-TF-83                    | 7.3 | 5.0 | 6.0 | 6.1  |
| FALCON V                     | 7.3 | 5.7 | 6.3 | 6.4  | REBOUNDER (PICK-W43)         | 7.3 | 5.0 | 6.0 | 6.1  |
| FIREWALL (PSG-WE1)           | 7.3 | 5.7 | 6.3 | 6.4  | RHAMBLER 2 SRP (LSD)         | 7.0 | 5.0 | 6.3 | 6.1  |
| VALKYRIE LS (PPG-TF-172)     | 7.3 | 5.3 | 6.7 | 6.4  | TEMPLE (DZ1)                 | 7.0 | 5.3 | 6.0 | 6.1  |
| ROCKWELL (LTP-TWUU)          | 7.3 | 5.3 | 6.7 | 6.4  | CAESAR (TY 10)               | 7.0 | 5.0 | 6.0 | 6.0  |
| THOR (PPG-TF-157)            | 8.0 | 5.3 | 6.0 | 6.4  | CROSSFIRE 4 (IS-TF 310 SEL)  | 7.0 | 5.3 | 5.7 | 6.0  |
| ATF 1612                     | 7.7 | 5.0 | 6.3 | 6.3  | DIABLO (IS-TF 330)           | 6.7 | 5.0 | 6.3 | 6.0  |
| BLACK TAIL (PPG-TF-150)      | 7.3 | 5.3 | 6.3 | 6.3  | HOUNDOG8 (IS-TF 307 SEL)     | 6.7 | 5.0 | 6.3 | 6.0  |
| FESNOVA                      | 7.0 | 5.3 | 6.7 | 6.3  | HOVER (BURL TF-69)           | 7.3 | 4.7 | 6.0 | 6.0  |
| MET 1                        | 7.3 | 5.3 | 6.3 | 6.3  | IS-TF 269 SEL                | 7.0 | 5.0 | 6.0 | 6.0  |
| PPG-TF-135                   | 7.3 | 5.3 | 6.3 | 6.3  | IS-TF 272                    | 7.0 | 5.0 | 6.0 | 6.0  |
| PSG-P01                      | 7.7 | 5.0 | 6.3 | 6.3  | JS 916                       | 6.7 | 5.0 | 6.3 | 6.0  |
| PST-5EX2                     | 7.3 | 5.3 | 6.3 | 6.3  | MARAUDER                     | 7.0 | 4.7 | 6.3 | 6.0  |
| RAD-TF-89                    | 7.3 | 5.0 | 6.7 | 6.3  | PPG-TF-138                   | 7.0 | 5.3 | 5.7 | 6.0  |
| WICHITA (PPG-TF-151)         | 7.7 | 5.3 | 6.0 | 6.3  | RAD-TF-92                    | 7.3 | 4.7 | 6.0 | 6.0  |
| COMP. RES. SST               | 7.0 | 5.0 | 6.7 | 6.2  | RAPTOR III (ZW 44)           | 6.7 | 5.3 | 6.0 | 6.0  |
| FAITH                        | 7.0 | 5.7 | 6.0 | 6.2  | RHIZING MOON (IS-TF 305 SEL) | 7.3 | 5.0 | 5.7 | 6.0  |
| FIRECRACKER SLS (PPG-TF-105) | 7.7 | 5.0 | 6.0 | 6.2  | TEMPTATION (OR-21)           | 6.7 | 5.0 | 6.3 | 6.0  |
| LEONARDO (LTP-FSD)           | 7.0 | 5.0 | 6.7 | 6.2  | THUNDERSTRUCK (TD1)          | 6.7 | 5.0 | 6.3 | 6.0  |
| REGENERATE                   | 6.7 | 5.3 | 6.7 | 6.2  | UNITUS (IS-TF 289)           | 6.7 | 5.3 | 6.0 | 6.0  |
| 204 RES. BLK4                | 7.3 | 5.0 | 6.3 | 6.2  | WARHAWK                      | 7.0 | 5.0 | 6.0 | 6.0  |
| ATF 1704                     | 7.0 | 5.3 | 6.3 | 6.2  | XTENDER (PPG-TF-139)         | 7.7 | 5.0 | 5.3 | 6.0  |
| ATF 1754                     | 7.3 | 5.0 | 6.3 | 6.2  | BULLSEYE                     | 7.0 | 5.0 | 5.7 | 5.9  |
| BIZEM                        | 7.3 | 5.0 | 6.3 | 6.2  | DYNAMITE LS (PPG-TF-145)     | 7.0 | 5.0 | 5.7 | 5.9  |
|                              |     |     |     |      | MEMPHIS (GO-DFR)             | 7.3 | 4.7 | 5.7 | 5.9  |

TABLE 29. WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

| NAME                     | CA3 | MS1 | NC1  | MEAN |
|--------------------------|-----|-----|------|------|
| PSG-GSD                  | 7.0 | 5.0 | 5.7  | 5.9  |
| PSG-TT4                  | 6.7 | 5.0 | 6.0  | 5.9  |
| PST-5MVD                 | 6.7 | 5.0 | 6.0  | 5.9  |
| RAIN DANCE (PST-5SDT)    | 6.7 | 5.0 | 6.0  | 5.9  |
| SALTILLO (PST-5SALT)     | 7.0 | 4.7 | 6.0  | 5.9  |
| TURFWAY (IS-TF 282 M2)   | 6.7 | 5.3 | 5.7  | 5.9  |
| W41                      | 7.0 | 5.0 | 5.7  | 5.9  |
| FALCON IV                | 7.0 | 4.3 | 6.3  | 5.9  |
| PST-5BRK                 | 6.3 | 5.3 | 6.0  | 5.9  |
| ANNIHILATOR              | 6.7 | 4.7 | 6.0  | 5.8  |
| ATF 1736                 | 6.7 | 5.0 | 5.7  | 5.8  |
| HEMI                     | 6.7 | 5.0 | 5.7  | 5.8  |
| JS 819                   | 7.0 | 4.7 | 5.7  | 5.8  |
| BAR FA 121091            | 6.3 | 5.0 | 6.0  | 5.8  |
| JS 818                   | 7.3 | 4.3 | 5.7  | 5.8  |
| K12-13                   | 7.0 | 5.0 | 5.3  | 5.8  |
| MERIDIAN (PST-5GRB)      | 6.3 | 4.7 | 6.3  | 5.8  |
| NIGHTCRAWLER (IS-TF 285) | 7.0 | 5.0 | 5.3  | 5.8  |
| PPG-TF-115               | 7.0 | 5.0 | 5.3  | 5.8  |
| PST-5DZP                 | 7.0 | 5.0 | 5.3  | 5.8  |
| BAR FA 121089            | 6.3 | 5.0 | 5.7  | 5.7  |
| BAR FA 121095            | 7.0 | 4.3 | 5.7  | 5.7  |
| FOXHOUND (IS-TF 284 M2)  | 6.7 | 5.0 | 5.3  | 5.7  |
| INSPIRATION (PST-R5NW)   | 6.3 | 5.0 | 5.7  | 5.7  |
| IS-TF-287                | 6.7 | 4.7 | 5.7  | 5.7  |
| JS 809                   | 7.0 | 4.0 | 6.0  | 5.7  |
| PSG-8BP2                 | 6.7 | 5.0 | 5.3  | 5.7  |
| SWAGGER (PST-5R05)       | 6.3 | 5.0 | 5.7  | 5.7  |
| ARES (PPG-TF-142)        | 6.7 | 5.0 | 5.0  | 5.6  |
| JS 825                   | 6.7 | 4.3 | 5.7  | 5.6  |
| OLYMPUS (RAD-TF-88)      | 6.7 | 4.7 | 5.0  | 5.4  |
| BAR FA 120878            | 5.7 | 4.3 | 5.7  | 5.2  |
| KY-31                    | 5.0 | 4.3 | 3.0  | 4.1  |
| LSD VALUE                | 1.1 | 0.6 | 1.0  | 0.6  |
| C.V. (%)                 | 9.9 | 7.9 | 10.8 | 9.8  |

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

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

TABLE 30.

LEAF SPOT RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                         | NJ2 | NAME                      | NJ2 |
|------------------------------|-----|---------------------------|-----|
| FOXHOUND (IS-TF 284 M2)      | 7.7 | PST-5DZP                  | 5.7 |
| ARES (PPG-TF-142)            | 7.3 | REBOUNDER (PICK-W43)      | 5.7 |
| DIABLO (IS-TF 330)           | 7.3 | RHAMBLER 2 SRP (LSD)      | 5.7 |
| IS-TF 269 SEL                | 7.3 | SWAGGER (PST-5R05)        | 5.7 |
| KINGDOM (DB1)                | 7.3 | TERRANO                   | 5.7 |
| TURFWAY (IS-TF 282 M2)       | 7.3 | THUNDERSTRUCK (TD1)       | 5.7 |
| BAR FA 121095                | 7.0 | TITANIUM 2LS (PPG-TF-152) | 5.7 |
| DYNAMITE LS (PPG-TF-145)     | 7.0 | 4TH MILLENNIUM SRP (U43)  | 5.3 |
| FAYETTE (IS-TF 291)          | 7.0 | ANNIHILATOR               | 5.3 |
| HOUNDOG8 (IS-TF 307 SEL)     | 7.0 | B23                       | 5.3 |
| THOR (PPG-TF-157)            | 7.0 | FESNOVA                   | 5.3 |
| BLACK TAIL (PPG-TF-150)      | 6.7 | IS-TF 276 M2              | 5.3 |
| FIRECRACKER SLS (PPG-TF-105) | 6.7 | IS-TF 311                 | 5.3 |
| FRONTLINE (EXP TF-09)        | 6.7 | IS-TF-287                 | 5.3 |
| IS-TF 308 SEL                | 6.7 | JS 819                    | 5.3 |
| JS 818                       | 6.7 | MET-3                     | 5.3 |
| TEMPTATION (OR-21)           | 6.7 | PPG-TF-135                | 5.3 |
| UNITUS (IS-TF 289)           | 6.7 | ROCKWELL (LTP-TWUU)       | 5.3 |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 6.3 | WARHAWK                   | 5.3 |
| IS-TF 272                    | 6.3 | WICHITA (PPG-TF-151)      | 5.3 |
| REFLECTION (U45)             | 6.3 | 204 RES. BLK4             | 5.0 |
| TEMPLE (DZ1)                 | 6.3 | AMITY (CCR2)              | 5.0 |
| BIZEM                        | 6.0 | BAR FA 121089             | 5.0 |
| CAESAR (TY 10)               | 6.0 | BAR FA 121091             | 5.0 |
| FIREBIRD 2                   | 6.0 | SUPERSONIC (PPG-TF-170)   | 5.0 |
| NIGHTCRAWLER (IS-TF 285)     | 6.0 | COMP. RES. SST            | 5.0 |
| VALKYRIE LS (PPG-TF-172)     | 6.0 | EMBRACE (PST-5EV2)        | 5.0 |
| RAD-TF-83                    | 6.0 | FIREWALL (PSG-WE1)        | 5.0 |
| REGENERATE                   | 6.0 | HEMI                      | 5.0 |
| RHIZING MOON (IS-TF 305 SEL) | 6.0 | JS 916                    | 5.0 |
| ROWDY (SRX-TPC)              | 6.0 | MARAUDER                  | 5.0 |
| TRAVERSE 2 SRP (W45)         | 6.0 | MERIDIAN (PST-5GRB)       | 5.0 |
| XTENDER (PPG-TF-139)         | 6.0 | MICHELANGELO (LTP-F5DPDR) | 5.0 |
| BULLSEYE                     | 5.7 | OLYMPUS (RAD-TF-88)       | 5.0 |
| F711                         | 5.7 | PARAMOUNT (PPG-TF-137)    | 5.0 |
| FAITH                        | 5.7 | PSG-TT4                   | 5.0 |
| JS 825                       | 5.7 | SALTILLO (PST-5SALT)      | 5.0 |
| K12-05                       | 5.7 | W41                       | 5.0 |
| MEMPHIS (GO-DFR)             | 5.7 | ATF 1736                  | 4.7 |
| PPG-TF-115                   | 5.7 | FALCON IV                 | 4.7 |
| PSG-P01                      | 5.7 | HOVER (BURL TF-69)        | 4.7 |
|                              |     | INSPIRATION (PST-R5NW)    | 4.7 |

TABLE 30. LEAF SPOT RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

| NAME                     | NJ2  |
|--------------------------|------|
| K12-MCD                  | 4.7  |
| PSG-8BP2                 | 4.7  |
| PST-5BRK                 | 4.7  |
| PST-5MVD                 | 4.7  |
| RAD-TF-92                | 4.7  |
| RAPTOR III (ZW 44)       | 4.7  |
| SCREAMER LS (PPG-TF-148) | 4.7  |
| ATF 1754                 | 4.3  |
| BAR FA 120878            | 4.3  |
| HOT ROD (BURL TF-136)    | 4.3  |
| LEONARDO (LTP-FSD)       | 4.3  |
| MAESTRO (T31)            | 4.3  |
| MET 1                    | 4.3  |
| PPG-TF-138               | 4.3  |
| PST-5BPO                 | 4.3  |
| RAIN DANCE (PST-5SDT)    | 4.3  |
| TECHNIQUE (RZ2)          | 4.3  |
| ATF 1612                 | 4.0  |
| ATF 1704                 | 4.0  |
| GRANDE 3                 | 4.0  |
| JS 809                   | 4.0  |
| K12-13                   | 4.0  |
| PST-5EX2                 | 4.0  |
| RAD-TF-89                | 4.0  |
| AVENGER II (PPG-TF-156)  | 3.7  |
| FALCON V                 | 3.7  |
| PPG-TF-169               | 3.7  |
| PSG-GSD                  | 3.7  |
| AQUADUCT                 | 3.3  |
| BLOODHOUND (MET 6 SEL)   | 3.3  |
| CATALYST                 | 3.3  |
| GTO (BURL TF-2)          | 3.3  |
| KY-31                    | 3.3  |
| LSD VALUE                | 1.5  |
| C.V. (%)                 | 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 31. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                         | NC1 | NJ2 | OK1 | TN1 | MEAN |
|------------------------------|-----|-----|-----|-----|------|
| AMITY (CCR2)                 | 7.7 | 7.3 | 7.0 | 9.0 | 7.8  |
| AVENGER II (PPG-TF-156)      | 6.7 | 6.7 | 8.7 | 8.3 | 7.6  |
| REBOUNDER (PICK-W43)         | 7.3 | 6.7 | 7.7 | 8.7 | 7.6  |
| THOR (PPG-TF-157)            | 7.3 | 6.3 | 8.3 | 8.3 | 7.6  |
| TRAVERSE 2 SRP (W45)         | 7.7 | 6.0 | 8.0 | 8.7 | 7.6  |
| SUPERSONIC (PPG-TF-170)      | 7.0 | 5.3 | 8.7 | 9.0 | 7.5  |
| FIRECRACKER SLS (PPG-TF-105) | 7.3 | 6.3 | 7.3 | 9.0 | 7.5  |
| GRANDE 3                     | 7.0 | 5.7 | 8.3 | 9.0 | 7.5  |
| LEONARDO (LTP-FSD)           | 8.0 | 5.0 | 8.0 | 9.0 | 7.5  |
| MET 1                        | 7.7 | 5.0 | 8.7 | 8.7 | 7.5  |
| PARAMOUNT (PPG-TF-137)       | 7.0 | 5.7 | 8.3 | 9.0 | 7.5  |
| TITANIUM 2LS (PPG-TF-152)    | 7.3 | 6.3 | 7.3 | 9.0 | 7.5  |
| F711                         | 8.0 | 5.0 | 7.7 | 9.0 | 7.4  |
| ROCKWELL (LTP-TWUU)          | 8.0 | 5.7 | 7.0 | 9.0 | 7.4  |
| GTO (BURL TF-2)              | 7.0 | 5.0 | 8.7 | 9.0 | 7.4  |
| MICHELANGELO (LTP-F5DPDR)    | 8.0 | 5.3 | 8.0 | 8.3 | 7.4  |
| RAPTOR III (ZW 44)           | 7.3 | 6.0 | 7.7 | 8.7 | 7.4  |
| REGENERATE                   | 6.7 | 6.3 | 7.7 | 8.7 | 7.3  |
| B23                          | 7.0 | 6.3 | 7.0 | 9.0 | 7.3  |
| TECHNIQUE (RZ2)              | 7.3 | 6.3 | 7.0 | 8.7 | 7.3  |
| CATALYST                     | 7.7 | 4.7 | 7.7 | 9.0 | 7.3  |
| FAYETTE (IS-TF 291)          | 6.0 | 5.7 | 8.7 | 8.7 | 7.3  |
| MAESTRO (T31)                | 6.0 | 6.7 | 7.7 | 8.7 | 7.3  |
| PSG-PO1                      | 7.0 | 5.3 | 7.7 | 9.0 | 7.3  |
| PST-5BRK                     | 7.7 | 5.3 | 7.0 | 9.0 | 7.3  |
| 4TH MILLENNIUM SRP (U43)     | 6.0 | 5.7 | 8.0 | 9.0 | 7.2  |
| IS-TF 308 SEL                | 7.3 | 5.0 | 8.0 | 8.3 | 7.2  |
| SWAGGER (PST-5R05)           | 6.3 | 5.0 | 9.0 | 8.3 | 7.2  |
| HOT ROD (BURL TF-136)        | 7.7 | 6.0 | 6.0 | 8.7 | 7.1  |
| K12-MCD                      | 7.0 | 5.7 | 7.0 | 8.7 | 7.1  |
| HEMI                         | 7.0 | 5.0 | 7.3 | 9.0 | 7.1  |
| PPG-TF-135                   | 6.3 | 5.3 | 7.7 | 9.0 | 7.1  |
| PST-5EX2                     | 7.3 | 5.0 | 7.0 | 9.0 | 7.1  |
| RHAMBLER 2 SRP (LSD)         | 6.7 | 5.3 | 7.3 | 9.0 | 7.1  |
| EMBRACE (PST-5EV2)           | 5.7 | 5.3 | 8.7 | 8.3 | 7.0  |
| FALCON IV                    | 7.3 | 3.7 | 8.0 | 9.0 | 7.0  |
| IS-TF 311                    | 6.3 | 5.3 | 8.3 | 8.0 | 7.0  |
| MET-3                        | 7.3 | 5.3 | 6.7 | 8.7 | 7.0  |
| PSG-GSD                      | 7.3 | 3.7 | 8.0 | 9.0 | 7.0  |
| ROWDY (SRX-TPC)              | 6.3 | 5.7 | 7.3 | 8.7 | 7.0  |
| TEMPLE (DZ1)                 | 7.0 | 4.7 | 7.3 | 9.0 | 7.0  |

TABLE 31. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

| NAME                         | NC1 | NJ2 | OK1 | TN1 | MEAN |
|------------------------------|-----|-----|-----|-----|------|
| TERRANO                      | 6.0 | 5.0 | 8.7 | 8.3 | 7.0  |
| WICHITA (PPG-TF-151)         | 6.7 | 5.3 | 7.3 | 8.7 | 7.0  |
| FALCON V                     | 6.3 | 4.7 | 7.7 | 9.0 | 6.9  |
| PST-5BPO                     | 7.3 | 4.7 | 7.7 | 8.0 | 6.9  |
| REFLECTION (U45)             | 6.7 | 5.3 | 6.7 | 9.0 | 6.9  |
| SCREAMER LS (PPG-TF-148)     | 6.3 | 4.7 | 7.7 | 9.0 | 6.9  |
| ATF 1704                     | 6.7 | 5.7 | 6.7 | 8.7 | 6.9  |
| FESNOVA                      | 6.3 | 5.0 | 7.7 | 8.7 | 6.9  |
| PPG-TF-169                   | 6.3 | 5.3 | 7.3 | 8.7 | 6.9  |
| PSG-8BP2                     | 6.3 | 4.0 | 8.3 | 9.0 | 6.9  |
| XTENDER (PPG-TF-139)         | 7.0 | 5.7 | 6.3 | 8.7 | 6.9  |
| BLOODHOUND (MET 6 SEL)       | 6.7 | 6.0 | 6.0 | 8.7 | 6.8  |
| IS-TF-287                    | 6.3 | 4.3 | 8.3 | 8.3 | 6.8  |
| TURFWAY (IS-TF 282 M2)       | 6.7 | 5.0 | 7.3 | 8.3 | 6.8  |
| FIREWALL (PSG-WE1)           | 6.3 | 5.0 | 7.0 | 9.0 | 6.8  |
| THUNDERSTRUCK (TD1)          | 6.3 | 4.3 | 8.0 | 8.7 | 6.8  |
| W41                          | 7.3 | 4.3 | 7.0 | 8.7 | 6.8  |
| FIREBIRD 2                   | 6.0 | 4.7 | 7.3 | 9.0 | 6.8  |
| BLACK TAIL (PPG-TF-150)      | 6.3 | 4.7 | 6.7 | 9.0 | 6.7  |
| BIZEM                        | 6.3 | 4.7 | 7.3 | 8.3 | 6.7  |
| CAESAR (TY 10)               | 6.7 | 4.0 | 7.3 | 8.7 | 6.7  |
| KY-31                        | 7.3 | 3.0 | 8.0 | 8.3 | 6.7  |
| PPG-TF-138                   | 6.0 | 5.0 | 7.3 | 8.3 | 6.7  |
| VALKYRIE LS (PPG-TF-172)     | 7.3 | 4.0 | 6.7 | 8.7 | 6.7  |
| TEMPTATION (OR-21)           | 6.3 | 4.0 | 7.7 | 8.7 | 6.7  |
| FAITH                        | 6.0 | 4.7 | 7.3 | 8.3 | 6.6  |
| JS 818                       | 4.7 | 5.0 | 7.7 | 9.0 | 6.6  |
| RAD-TF-92                    | 6.0 | 4.0 | 7.7 | 8.7 | 6.6  |
| ATF 1612                     | 5.7 | 5.3 | 6.3 | 9.0 | 6.6  |
| PPG-TF-115                   | 6.3 | 3.7 | 7.3 | 9.0 | 6.6  |
| NIGHTCRAWLER (IS-TF 285)     | 6.0 | 4.3 | 7.3 | 8.7 | 6.6  |
| AQUADUCT                     | 7.0 | 2.7 | 8.0 | 8.3 | 6.5  |
| HOUNDOG8 (IS-TF 307 SEL)     | 7.0 | 3.7 | 6.7 | 8.7 | 6.5  |
| IS-TF 269 SEL                | 7.0 | 5.3 | 5.3 | 8.3 | 6.5  |
| JS 916                       | 5.3 | 5.3 | 7.3 | 8.0 | 6.5  |
| RHIZING MOON (IS-TF 305 SEL) | 5.7 | 4.0 | 7.3 | 9.0 | 6.5  |
| SALTILLO (PST-5SALT)         | 5.3 | 4.3 | 7.7 | 8.7 | 6.5  |
| MEMPHIS (GO-DFR)             | 5.7 | 3.7 | 8.0 | 8.3 | 6.4  |
| ATF 1736                     | 5.0 | 4.7 | 7.0 | 9.0 | 6.4  |
| UNITUS (IS-TF 289)           | 5.7 | 4.3 | 7.7 | 8.0 | 6.4  |
| ATF 1754                     | 6.0 | 5.0 | 6.0 | 8.7 | 6.4  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 5.3 | 4.3 | 7.0 | 9.0 | 6.4  |

TABLE 31. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

| BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ |      |      |      |     |      |
|--|------|------|------|-----|------|
| NAME                                     | NC1  | NJ2  | OK1  | TN1 | MEAN |
| IS-TF 276 M2                             | 6.7  | 3.7  | 7.0  | 8.0 | 6.3  |
| RAD-TF-89                                | 5.3  | 4.0  | 7.0  | 9.0 | 6.3  |
| BULLSEYE                                 | 5.3  | 3.7  | 7.0  | 9.0 | 6.3  |
| DYNAMITE LS (PPG-TF-145)                 | 6.3  | 4.0  | 7.0  | 7.7 | 6.3  |
| BAR FA 121095                            | 5.7  | 3.7  | 7.0  | 8.3 | 6.2  |
| WARHAWK                                  | 5.7  | 2.3  | 8.3  | 8.3 | 6.2  |
| BAR FA 121089                            | 6.3  | 3.7  | 6.7  | 8.0 | 6.2  |
| JS 825                                   | 6.3  | 2.7  | 8.0  | 7.7 | 6.2  |
| RAIN DANCE (PST-5SDT)                    | 6.3  | 4.3  | 6.3  | 7.7 | 6.2  |
| ANNIHILATOR                              | 5.3  | 3.3  | 7.3  | 8.7 | 6.2  |
| IS-TF 272                                | 5.3  | 4.3  | 6.7  | 8.3 | 6.2  |
| K12-05                                   | 6.0  | 4.0  | 7.3  | 7.3 | 6.2  |
| COMP. RES. SST                           | 5.7  | 3.0  | 7.7  | 8.0 | 6.1  |
| DIABLO (IS-TF 330)                       | 5.7  | 4.7  | 6.3  | 7.7 | 6.1  |
| HOVER (BURL TF-69)                       | 6.0  | 4.3  | 5.7  | 8.3 | 6.1  |
| OLYMPUS (RAD-TF-88)                      | 5.0  | 4.0  | 6.7  | 8.7 | 6.1  |
| PSG-TT4                                  | 5.7  | 3.7  | 6.7  | 8.3 | 6.1  |
| JS 819                                   | 5.3  | 4.0  | 7.3  | 7.7 | 6.1  |
| PST-5DZP                                 | 5.7  | 3.3  | 7.3  | 8.0 | 6.1  |
| FOXHOUND (IS-TF 284 M2)                  | 5.7  | 3.3  | 7.0  | 8.0 | 6.0  |
| K12-13                                   | 6.0  | 3.0  | 7.0  | 8.0 | 6.0  |
| KINGDOM (DB1)                            | 5.0  | 3.7  | 7.0  | 8.3 | 6.0  |
| PST-5MVD                                 | 5.7  | 3.7  | 6.0  | 8.3 | 5.9  |
| FRONTLINE (EXP TF-09)                    | 5.0  | 2.7  | 7.3  | 8.7 | 5.9  |
| RAD-TF-83                                | 6.3  | 4.0  | 5.3  | 8.0 | 5.9  |
| 204 RES. BLK4                            | 5.7  | 2.3  | 7.0  | 8.3 | 5.8  |
| MARAUDER                                 | 5.3  | 2.7  | 7.7  | 7.7 | 5.8  |
| MERIDIAN (PST-5GRB)                      | 4.3  | 3.0  | 7.7  | 8.3 | 5.8  |
| ARES (PPG-TF-142)                        | 5.3  | 3.3  | 6.0  | 8.3 | 5.8  |
| BAR FA 120878                            | 5.7  | 2.3  | 7.7  | 7.3 | 5.8  |
| BAR FA 121091                            | 6.0  | 3.7  | 6.0  | 7.3 | 5.8  |
| INSPIRATION (PST-R5NW)                   | 4.3  | 3.0  | 7.7  | 8.0 | 5.8  |
| JS 809                                   | 4.3  | 2.7  | 7.3  | 6.7 | 5.3  |
| LSD VALUE                                | 1.9  | 1.7  | 1.7  | 1.1 | 0.8  |
| C.V. (%)                                 | 18.7 | 23.0 | 14.0 | 7.7 | 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 32.

PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/

| NAME                         | MD1 | NAME                         | MD1 |
|------------------------------|-----|------------------------------|-----|
| BAR FA 120878                | 8.0 | B23                          | 6.7 |
| ARES (PPG-TF-142)            | 7.7 | BAR FA 121095                | 6.7 |
| KY-31                        | 7.7 | BLOODHOUND (MET 6 SEL)       | 6.7 |
| RAIN DANCE (PST-5SDT)        | 7.7 | BULLSEYE                     | 6.7 |
| TURFWAY (IS-TF 282 M2)       | 7.7 | SUPERSONIC (PPG-TF-170)      | 6.7 |
| ATF 1736                     | 7.3 | COMP. RES. SST               | 6.7 |
| BAR FA 121091                | 7.3 | FAITH                        | 6.7 |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 7.3 | FIREBIRD 2                   | 6.7 |
| F711                         | 7.3 | FIRECRACKER SLS (PPG-TF-105) | 6.7 |
| FAYETTE (IS-TF 291)          | 7.3 | GTO (BURL TF-2)              | 6.7 |
| FRONTLINE (EXP TF-09)        | 7.3 | IS-TF 269 SEL                | 6.7 |
| IS-TF 308 SEL                | 7.3 | JS 916                       | 6.7 |
| JS 818                       | 7.3 | NIGHTCRAWLER (IS-TF 285)     | 6.7 |
| LEONARDO (LTP-FSD)           | 7.3 | PPG-TF-115                   | 6.7 |
| MET 1                        | 7.3 | PPG-TF-138                   | 6.7 |
| RHIZING MOON (IS-TF 305 SEL) | 7.3 | VALKYRIE LS (PPG-TF-172)     | 6.7 |
| SWAGGER (PST-5R05)           | 7.3 | PSG-PO1                      | 6.7 |
| TEMPLE (DZ1)                 | 7.3 | PSG-TT4                      | 6.7 |
| BAR FA 121089                | 7.0 | ROWDY (SRX-TPC)              | 6.7 |
| CAESAR (TY 10)               | 7.0 | THUNDERSTRUCK (TD1)          | 6.7 |
| CATALYST                     | 7.0 | TITANIUM 2LS (PPG-TF-152)    | 6.7 |
| FOXHOUND (IS-TF 284 M2)      | 7.0 | UNITUS (IS-TF 289)           | 6.7 |
| HEMI                         | 7.0 | W41                          | 6.7 |
| INSPIRATION (PST-R5NW)       | 7.0 | AQUADUCT                     | 6.3 |
| IS-TF 276 M2                 | 7.0 | BIZEM                        | 6.3 |
| IS-TF 311                    | 7.0 | EMBRACE (PST-5EV2)           | 6.3 |
| JS 819                       | 7.0 | FESNOVA                      | 6.3 |
| JS 825                       | 7.0 | JS 809                       | 6.3 |
| MICHELANGELO (LTP-F5DPDR)    | 7.0 | PARAMOUNT (PPG-TF-137)       | 6.3 |
| PSG-GSD                      | 7.0 | PSG-8BP2                     | 6.3 |
| PST-5DZP                     | 7.0 | PST-5BP0                     | 6.3 |
| PST-5EX2                     | 7.0 | REFLECTION (U45)             | 6.3 |
| PST-5MVD                     | 7.0 | SALTILLO (PST-5SALT)         | 6.3 |
| ROCKWELL (LTP-TWUU)          | 7.0 | SCREAMER LS (PPG-TF-148)     | 6.3 |
| THOR (PPG-TF-157)            | 7.0 | TECHNIQUE (RZ2)              | 6.3 |
| TRAVERSE 2 SRP (W45)         | 7.0 | TEMPTATION (OR-21)           | 6.3 |
| 4TH MILLENNIUM SRP (U43)     | 6.7 | BLACK TAIL (PPG-TF-150)      | 6.0 |
| AMITY (CCR2)                 | 6.7 | DIABLO (IS-TF 330)           | 6.0 |
| ANNIHILATOR                  | 6.7 | DYNAMITE LS (PPG-TF-145)     | 6.0 |
| ATF 1704                     | 6.7 | FALCON IV                    | 6.0 |
| AVENGER II (PPG-TF-156)      | 6.7 | FALCON V                     | 6.0 |
|                              |     | FIREWALL (PSG-WE1)           | 6.0 |

TABLE 32. PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/

| NAME                     | MD1  |
|--------------------------|------|
| HOT ROD (BURL TF-136)    | 6.0  |
| HOUNDOGB (IS-TF 307 SEL) | 6.0  |
| K12-05                   | 6.0  |
| K12-MCD                  | 6.0  |
| MAESTRO (T31)            | 6.0  |
| MARAUDER                 | 6.0  |
| MEMPHIS (GO-DFR)         | 6.0  |
| PST-5BRK                 | 6.0  |
| REBOUNDER (PICK-W43)     | 6.0  |
| XTENDER (PPG-TF-139)     | 6.0  |
| ATF 1754                 | 5.7  |
| IS-TF 272                | 5.7  |
| IS-TF-287                | 5.7  |
| KINGDOM (DB1)            | 5.7  |
| MET-3                    | 5.7  |
| RAD-TF-83                | 5.7  |
| RAPTOR III (ZW 44)       | 5.7  |
| REGENERATE               | 5.7  |
| TERRANO                  | 5.7  |
| WARHAWK                  | 5.7  |
| WICHITA (PPG-TF-151)     | 5.7  |
| 204 RES. BLK4            | 5.3  |
| GRANDE 3                 | 5.3  |
| RHAMBLER 2 SRP (LSD)     | 5.3  |
| HOVER (BURL TF-69)       | 5.0  |
| PPG-TF-135               | 5.0  |
| RAD-TF-89                | 5.0  |
| K12-13                   | 4.7  |
| MERIDIAN (PST-5GRB)      | 4.7  |
| RAD-TF-92                | 4.7  |
| ATF 1612                 | 4.3  |
| PPG-TF-169               | 4.3  |
| OLYMPUS (RAD-TF-88)      | 4.0  |
| LSD VALUE                | 1.7  |
| C.V. (%)                 | 16.3 |

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 33.

FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                         | NE1 | NAME                      | NE1 |
|------------------------------|-----|---------------------------|-----|
| RAD-TF-92                    | 7.0 | HOVER (BURL TF-69)        | 6.0 |
| BLOODHOUND (MET 6 SEL)       | 6.7 | INSPIRATION (PST-R5NW)    | 6.0 |
| IS-TF 269 SEL                | 6.7 | IS-TF 308 SEL             | 6.0 |
| 4TH MILLENNIUM SRP (U43)     | 6.3 | IS-TF 311                 | 6.0 |
| ATF 1704                     | 6.3 | IS-TF-287                 | 6.0 |
| BULLSEYE                     | 6.3 | JS 916                    | 6.0 |
| SUPERSONIC (PPG-TF-170)      | 6.3 | K12-05                    | 6.0 |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 6.3 | K12-MCD                   | 6.0 |
| FAITH                        | 6.3 | LEONARDO (LTP-FSD)        | 6.0 |
| FIREWALL (PSG-WE1)           | 6.3 | MAESTRO (T31)             | 6.0 |
| GRANDE 3                     | 6.3 | MET 1                     | 6.0 |
| GTO (BURL TF-2)              | 6.3 | MET-3                     | 6.0 |
| HEMI                         | 6.3 | MICHELANGELO (LTP-F5DPDR) | 6.0 |
| HOT ROD (BURL TF-136)        | 6.3 | NIGHTCRAWLER (IS-TF 285)  | 6.0 |
| MERIDIAN (PST-5GRB)          | 6.3 | OLYMPUS (RAD-TF-88)       | 6.0 |
| PARAMOUNT (PPG-TF-137)       | 6.3 | PPG-TF-115                | 6.0 |
| PPG-TF-135                   | 6.3 | PSG-GSD                   | 6.0 |
| PPG-TF-169                   | 6.3 | PSG-TT4                   | 6.0 |
| VALKYRIE LS (PPG-TF-172)     | 6.3 | PST-5BPO                  | 6.0 |
| PSG-P01                      | 6.3 | PST-5DZP                  | 6.0 |
| PST-5BRK                     | 6.3 | PST-5EX2                  | 6.0 |
| PST-5MVD                     | 6.3 | RAD-TF-83                 | 6.0 |
| RAD-TF-89                    | 6.3 | RAIN DANCE (PST-5SDT)     | 6.0 |
| RAPTOR III (ZW 44)           | 6.3 | RHAMBLER 2 SRP (LSD)      | 6.0 |
| REBOUNDER (PICK-W43)         | 6.3 | ROCKWELL (LTP-TWUU)       | 6.0 |
| REGENERATE                   | 6.3 | ROWDY (SRX-TPC)           | 6.0 |
| THOR (PPG-TF-157)            | 6.3 | SCREAMER LS (PPG-TF-148)  | 6.0 |
| THUNDERSTRUCK (TD1)          | 6.3 | SWAGGER (PST-5R05)        | 6.0 |
| TITANIUM 2LS (PPG-TF-152)    | 6.3 | TECHNIQUE (RZ2)           | 6.0 |
| AMITY (CCR2)                 | 6.0 | TRAVERSE 2 SRP (W45)      | 6.0 |
| ATF 1736                     | 6.0 | UNITUS (IS-TF 289)        | 6.0 |
| AVENGER II (PPG-TF-156)      | 6.0 | W41                       | 6.0 |
| B23                          | 6.0 | WICHITA (PPG-TF-151)      | 6.0 |
| BAR FA 121089                | 6.0 | AQUADUCT                  | 5.7 |
| BLACK TAIL (PPG-TF-150)      | 6.0 | ARES (PPG-TF-142)         | 5.7 |
| DIABLO (IS-TF 330)           | 6.0 | ATF 1612                  | 5.7 |
| EMBRACE (PST-5EV2)           | 6.0 | ATF 1754                  | 5.7 |
| FALCON V                     | 6.0 | BIZEM                     | 5.7 |
| FAYETTE (IS-TF 291)          | 6.0 | CAESAR (TY 10)            | 5.7 |
| FIRECRACKER SLS (PPG-TF-105) | 6.0 | CATALYST                  | 5.7 |
| HOUND0G8 (IS-TF 307 SEL)     | 6.0 | FALCON IV                 | 5.7 |
|                              |     | FESNOVA                   | 5.7 |

TABLE 33. FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

| NAME                         | NE1 |
|------------------------------|-----|
| FIREBIRD 2                   | 5.7 |
| FOXHOUND (IS-TF 284 M2)      | 5.7 |
| FRONTLINE (EXP TF-09)        | 5.7 |
| IS-TF 272                    | 5.7 |
| IS-TF 276 M2                 | 5.7 |
| KINGDOM (DB1)                | 5.7 |
| PPG-TF-138                   | 5.7 |
| REFLECTION (U45)             | 5.7 |
| RHIZING MOON (IS-TF 305 SEL) | 5.7 |
| SALTILLO (PST-5SALT)         | 5.7 |
| TEMPLE (DZ1)                 | 5.7 |
| TEMPTATION (OR-21)           | 5.7 |
| TERRANO                      | 5.7 |
| TURFWAY (IS-TF 282 M2)       | 5.7 |
| BAR FA 121095                | 5.3 |
| JS 809                       | 5.3 |
| JS 818                       | 5.3 |
| JS 819                       | 5.3 |
| JS 825                       | 5.3 |
| K12-13                       | 5.3 |
| MEMPHIS (GO-DFR)             | 5.3 |
| PSG-8BP2                     | 5.3 |
| WARHAWK                      | 5.3 |
| XTENDER (PPG-TF-139)         | 5.3 |
| 204 RES. BLK4                | 5.0 |
| ANNIHILATOR                  | 5.0 |
| COMP. RES. SST               | 5.0 |
| DYNAMITE LS (PPG-TF-145)     | 5.0 |
| F711                         | 5.0 |
| MARAUDER                     | 5.0 |
| BAR FA 120878                | 4.7 |
| BAR FA 121091                | 4.7 |
| KY-31                        | 4.0 |
| LSD VALUE                    | 0.7 |
| C.V. (%)                     | 7.9 |

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 34.

FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                        | IL1 | NAME                         | IL1 |
|-----------------------------|-----|------------------------------|-----|
| TURFWAY (IS-TF 282 M2)      | 7.3 | HEMI                         | 6.3 |
| HOUNDG8 (IS-TF 307 SEL)     | 7.0 | IS-TF 269 SEL                | 6.3 |
| KINGDOM (DB1)               | 7.0 | JS 818                       | 6.3 |
| THOR (PPG-TF-157)           | 7.0 | JS 916                       | 6.3 |
| ATF 1612                    | 6.7 | K12-13                       | 6.3 |
| B23                         | 6.7 | K12-MCD                      | 6.3 |
| CAESAR (TY 10)              | 6.7 | MET 1                        | 6.3 |
| F711                        | 6.7 | MICHELANGELO (LTP-F5DPDR)    | 6.3 |
| FRONTLINE (EXP TF-09)       | 6.7 | PPG-TF-115                   | 6.3 |
| GRANDE 3                    | 6.7 | PPG-TF-135                   | 6.3 |
| IS-TF 276 M2                | 6.7 | PPG-TF-169                   | 6.3 |
| IS-TF 308 SEL               | 6.7 | VALKYRIE LS (PPG-TF-172)     | 6.3 |
| JS 819                      | 6.7 | PSG-8BP2                     | 6.3 |
| LEONARDO (LTP-FSD)          | 6.7 | PST-5DZP                     | 6.3 |
| MEMPHIS (GO-DFR)            | 6.7 | RAD-TF-83                    | 6.3 |
| MET-3                       | 6.7 | RAPTOR III (ZW 44)           | 6.3 |
| NIGHTCRAWLER (IS-TF 285)    | 6.7 | REFLECTION (U45)             | 6.3 |
| OLYMPUS (RAD-TF-88)         | 6.7 | RHAMBLER 2 SRP (LSD)         | 6.3 |
| PPG-TF-138                  | 6.7 | RHIZING MOON (IS-TF 305 SEL) | 6.3 |
| RAD-TF-92                   | 6.7 | ROWDY (SRX-TPC)              | 6.3 |
| REGENERATE                  | 6.7 | SCREAMER LS (PPG-TF-148)     | 6.3 |
| ROCKWELL (LTP-TWUU)         | 6.7 | SWAGGER (PST-5R05)           | 6.3 |
| TEMPTATION (OR-21)          | 6.7 | TECHNIQUE (RZ2)              | 6.3 |
| TRAVERSE 2 SRP (W45)        | 6.7 | TERRANO                      | 6.3 |
| 204 RES. BLK4               | 6.3 | THUNDERSTRUCK (TD1)          | 6.3 |
| AMITY (CCR2)                | 6.3 | TITANIUM 2LS (PPG-TF-152)    | 6.3 |
| ARES (PPG-TF-142)           | 6.3 | UNITUS (IS-TF 289)           | 6.3 |
| ATF 1736                    | 6.3 | W41                          | 6.3 |
| ATF 1754                    | 6.3 | XTENDER (PPG-TF-139)         | 6.3 |
| BAR FA 121089               | 6.3 | 4TH MILLENNIUM SRP (U43)     | 6.0 |
| BLOODHOUND (MET 6 SEL)      | 6.3 | ATF 1704                     | 6.0 |
| SUPERSONIC (PPG-TF-170)     | 6.3 | AVENGER II (PPG-TF-156)      | 6.0 |
| COMP. RES. SST              | 6.3 | BAR FA 121091                | 6.0 |
| CROSSFIRE 4 (IS-TF 310 SEL) | 6.3 | BAR FA 121095                | 6.0 |
| DIABLO (IS-TF 330)          | 6.3 | BIZEM                        | 6.0 |
| DYNAMITE LS (PPG-TF-145)    | 6.3 | BLACK TAIL (PPG-TF-150)      | 6.0 |
| EMBRACE (PST-5EV2)          | 6.3 | BULLSEYE                     | 6.0 |
| FALCON V                    | 6.3 | CATALYST                     | 6.0 |
| FAYETTE (IS-TF 291)         | 6.3 | FAITH                        | 6.0 |
| FESNOVA                     | 6.3 | FIREBIRD 2                   | 6.0 |
| FOXHOUND (IS-TF 284 M2)     | 6.3 | GTO (BURL TF-2)              | 6.0 |
|                             |     | HOVER (BURL TF-69)           | 6.0 |



TABLE 34. FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

| NAME                         | IL1 |
|------------------------------|-----|
| INSPIRATION (PST-R5NW)       | 6.0 |
| IS-TF 272                    | 6.0 |
| IS-TF 311                    | 6.0 |
| IS-TF-287                    | 6.0 |
| JS 809                       | 6.0 |
| JS 825                       | 6.0 |
| K12-05                       | 6.0 |
| MERIDIAN (PST-5GRB)          | 6.0 |
| PARAMOUNT (PPG-TF-137)       | 6.0 |
| PSG-GSD                      | 6.0 |
| PSG-PO1                      | 6.0 |
| PSG-TT4                      | 6.0 |
| PST-5BRK                     | 6.0 |
| PST-5EX2                     | 6.0 |
| PST-5MVD                     | 6.0 |
| RAD-TF-89                    | 6.0 |
| RAIN DANCE (PST-5SDT)        | 6.0 |
| REBOUNDER (PICK-W43)         | 6.0 |
| SALTILLO (PST-5SALT)         | 6.0 |
| TEMPLE (DZ1)                 | 6.0 |
| WARHAWK                      | 6.0 |
| WICHITA (PPG-TF-151)         | 6.0 |
| ANNIHILATOR                  | 5.7 |
| AQUADUCT                     | 5.7 |
| FALCON IV                    | 5.7 |
| FIRECRACKER SLS (PPG-TF-105) | 5.7 |
| FIREWALL (PSG-WE1)           | 5.7 |
| HOT ROD (BURL TF-136)        | 5.7 |
| MAESTRO (T31)                | 5.7 |
| MARAUDER                     | 5.7 |
| BAR FA 120878                | 5.3 |
| PST-5BP0                     | 5.0 |
| KY-31                        | 4.0 |
| LSD VALUE                    | 0.9 |
| C.V. (%)                     | 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 35.

FALL COLOR (DECEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                         | OK1 | NAME                         | OK1 |
|------------------------------|-----|------------------------------|-----|
| REGENERATE                   | 8.0 | GTO (BURL TF-2)              | 7.0 |
| WICHITA (PPG-TF-151)         | 8.0 | HOT ROD (BURL TF-136)        | 7.0 |
| ARES (PPG-TF-142)            | 7.7 | IS-TF 308 SEL                | 7.0 |
| FAYETTE (IS-TF 291)          | 7.7 | JS 819                       | 7.0 |
| HEMI                         | 7.7 | K12-MCD                      | 7.0 |
| K12-05                       | 7.7 | KY-31                        | 7.0 |
| PPG-TF-135                   | 7.7 | LEONARDO (LTP-FSD)           | 7.0 |
| REFLECTION (U45)             | 7.7 | MET-3                        | 7.0 |
| XTENDER (PPG-TF-139)         | 7.7 | MICHELANGELO (LTP-F5DPDR)    | 7.0 |
| CAESAR (TY 10)               | 7.3 | PARAMOUNT (PPG-TF-137)       | 7.0 |
| SUPERSONIC (PPG-TF-170)      | 7.3 | VALKYRIE LS (PPG-TF-172)     | 7.0 |
| DYNAMITE LS (PPG-TF-145)     | 7.3 | PSG-8BP2                     | 7.0 |
| EMBRACE (PST-5EV2)           | 7.3 | PSG-GSD                      | 7.0 |
| FAITH                        | 7.3 | PSG-PO1                      | 7.0 |
| FIREBIRD 2                   | 7.3 | PSG-TT4                      | 7.0 |
| FIRECRACKER SLS (PPG-TF-105) | 7.3 | PST-5BPO                     | 7.0 |
| FRONTLINE (EXP TF-09)        | 7.3 | PST-5MVD                     | 7.0 |
| GRANDE 3                     | 7.3 | RAD-TF-89                    | 7.0 |
| IS-TF 272                    | 7.3 | RAIN DANCE (PST-5SDT)        | 7.0 |
| K12-13                       | 7.3 | RHIZING MOON (IS-TF 305 SEL) | 7.0 |
| MARAUDER                     | 7.3 | SCREAMER LS (PPG-TF-148)     | 7.0 |
| MERIDIAN (PST-5GRB)          | 7.3 | TECHNIQUE (RZ2)              | 7.0 |
| OLYMPUS (RAD-TF-88)          | 7.3 | TEMPLE (DZ1)                 | 7.0 |
| PPG-TF-115                   | 7.3 | TEMPTATION (OR-21)           | 7.0 |
| PST-5BRK                     | 7.3 | TERRANO                      | 7.0 |
| PST-5EX2                     | 7.3 | THOR (PPG-TF-157)            | 7.0 |
| RAD-TF-83                    | 7.3 | THUNDERSTRUCK (TD1)          | 7.0 |
| RAPTOR III (ZW 44)           | 7.3 | TITANIUM 2LS (PPG-TF-152)    | 7.0 |
| REBOUNDER (PICK-W43)         | 7.3 | TRAVERSE 2 SRP (W45)         | 7.0 |
| SALTILLO (PST-5SALT)         | 7.3 | 204 RES. BLK4                | 6.7 |
| 4TH MILLENNIUM SRP (U43)     | 7.0 | ATF 1754                     | 6.7 |
| ATF 1612                     | 7.0 | BAR FA 121089                | 6.7 |
| ATF 1736                     | 7.0 | BAR FA 121091                | 6.7 |
| AVENGER II (PPG-TF-156)      | 7.0 | BIZEM                        | 6.7 |
| B23                          | 7.0 | BULLSEYE                     | 6.7 |
| BAR FA 121095                | 7.0 | CATALYST                     | 6.7 |
| BLACK TAIL (PPG-TF-150)      | 7.0 | COMP. RES. SST               | 6.7 |
| BLOODHOUND (MET 6 SEL)       | 7.0 | DIABLO (IS-TF 330)           | 6.7 |
| F711                         | 7.0 | FALCON IV                    | 6.7 |
| FESNOVA                      | 7.0 | FALCON V                     | 6.7 |
| FIREWALL (PSG-WE1)           | 7.0 | FOXHOUND (IS-TF 284 M2)      | 6.7 |
|                              |     | HOUNDOG8 (IS-TF 307 SEL)     | 6.7 |

TABLE 35. FALL COLOR (DECEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

| NAME                        | OK1  |
|-----------------------------|------|
| HOVER (BURL TF-69)          | 6.7  |
| IS-TF 269 SEL               | 6.7  |
| IS-TF 276 M2                | 6.7  |
| IS-TF-287                   | 6.7  |
| JS 818                      | 6.7  |
| KINGDOM (DB1)               | 6.7  |
| MEMPHIS (GO-DFR)            | 6.7  |
| MET 1                       | 6.7  |
| NIGHTCRAWLER (IS-TF 285)    | 6.7  |
| PPG-TF-138                  | 6.7  |
| RAD-TF-92                   | 6.7  |
| RHAMBLER 2 SRP (LSD)        | 6.7  |
| ROCKWELL (LTP-TWUU)         | 6.7  |
| ROWDY (SRX-TPC)             | 6.7  |
| SWAGGER (PST-5R05)          | 6.7  |
| TURFWAY (IS-TF 282 M2)      | 6.7  |
| UNITUS (IS-TF 289)          | 6.7  |
| WARHAWK                     | 6.7  |
| AMITY (CCR2)                | 6.3  |
| ATF 1704                    | 6.3  |
| BAR FA 120878               | 6.3  |
| INSPIRATION (PST-R5NW)      | 6.3  |
| JS 916                      | 6.3  |
| PST-5DZP                    | 6.3  |
| W41                         | 6.3  |
| ANNIHILATOR                 | 6.0  |
| AQUADUCT                    | 6.0  |
| CROSSFIRE 4 (IS-TF 310 SEL) | 6.0  |
| IS-TF 311                   | 6.0  |
| JS 825                      | 6.0  |
| MAESTRO (T31)               | 6.0  |
| PPG-TF-169                  | 6.0  |
| JS 809                      | 5.7  |
| LSD VALUE                   | 1.3  |
| C.V. (%)                    | 11.9 |

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 36.

POA ANNUA RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

| NAME                        | OK1 | NAME                         | OK1 |
|-----------------------------|-----|------------------------------|-----|
| CROSSFIRE 4 (IS-TF 310 SEL) | 9.0 | PPG-TF-115                   | 8.3 |
| HOUND0G8 (IS-TF 307 SEL)    | 9.0 | PPG-TF-135                   | 8.3 |
| MAESTRO (T31)               | 9.0 | PPG-TF-138                   | 8.3 |
| TURFWAY (IS-TF 282 M2)      | 9.0 | PSG-8BP2                     | 8.3 |
| AVENGER II (PPG-TF-156)     | 8.7 | PSG-GSD                      | 8.3 |
| BLOODHOUND (MET 6 SEL)      | 8.7 | PST-5BP0                     | 8.3 |
| SUPERSONIC (PPG-TF-170)     | 8.7 | PST-5DZP                     | 8.3 |
| EMBRACE (PST-5EV2)          | 8.7 | PST-5MVD                     | 8.3 |
| FAITH                       | 8.7 | RAD-TF-89                    | 8.3 |
| FIREBIRD 2                  | 8.7 | RAIN DANCE (PST-5SDT)        | 8.3 |
| FOXHOUND (IS-TF 284 M2)     | 8.7 | RAPTOR III (ZW 44)           | 8.3 |
| IS-TF 308 SEL               | 8.7 | REFLECTION (U45)             | 8.3 |
| MERIDIAN (PST-5GRB)         | 8.7 | SALTILLO (PST-5SALT)         | 8.3 |
| VALKYRIE LS (PPG-TF-172)    | 8.7 | SCREAMER LS (PPG-TF-148)     | 8.3 |
| PST-5BRK                    | 8.7 | TEMPLE (DZ1)                 | 8.3 |
| PST-5EX2                    | 8.7 | TEMPTATION (OR-21)           | 8.3 |
| RHAMBLER 2 SRP (LSD)        | 8.7 | AMITY (CCR2)                 | 8.0 |
| ROWDY (SRX-TPC)             | 8.7 | ATF 1704                     | 8.0 |
| SWAGGER (PST-5R05)          | 8.7 | B23                          | 8.0 |
| TECHNIQUE (RZ2)             | 8.7 | BAR FA 121089                | 8.0 |
| TERRANO                     | 8.7 | BAR FA 121091                | 8.0 |
| THOR (PPG-TF-157)           | 8.7 | BAR FA 121095                | 8.0 |
| TRAVERSE 2 SRP (W45)        | 8.7 | CAESAR (TY 10)               | 8.0 |
| XTENDER (PPG-TF-139)        | 8.7 | F711                         | 8.0 |
| AQUADUCT                    | 8.3 | FALCON IV                    | 8.0 |
| ARES (PPG-TF-142)           | 8.3 | FAYETTE (IS-TF 291)          | 8.0 |
| ATF 1754                    | 8.3 | FIRECRACKER SLS (PPG-TF-105) | 8.0 |
| BIZEM                       | 8.3 | GTO (BURL TF-2)              | 8.0 |
| BLACK TAIL (PPG-TF-150)     | 8.3 | IS-TF 269 SEL                | 8.0 |
| BULLSEYE                    | 8.3 | IS-TF 276 M2                 | 8.0 |
| DIABLO (IS-TF 330)          | 8.3 | IS-TF 311                    | 8.0 |
| FESNOVA                     | 8.3 | JS 818                       | 8.0 |
| GRANDE 3                    | 8.3 | K12-05                       | 8.0 |
| HEMI                        | 8.3 | MET 1                        | 8.0 |
| HOT ROD (BURL TF-136)       | 8.3 | MET-3                        | 8.0 |
| INSPIRATION (PST-R5NW)      | 8.3 | MICHELANGELO (LTP-F5DPDR)    | 8.0 |
| IS-TF-287                   | 8.3 | REBOUNDER (PICK-W43)         | 8.0 |
| JS 819                      | 8.3 | RHIZING MOON (IS-TF 305 SEL) | 8.0 |
| K12-MCD                     | 8.3 | UNITUS (IS-TF 289)           | 8.0 |
| LEONARDO (LTP-FSD)          | 8.3 | WICHITA (PPG-TF-151)         | 8.0 |
| MEMPHIS (GO-DFR)            | 8.3 | 4TH MILLENNIUM SRP (U43)     | 7.7 |
|                             |     | DYNAMITE LS (PPG-TF-145)     | 7.7 |

TABLE 36. POA ANNUA RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

| NAME                      | OK1  |
|---------------------------|------|
| FALCON V                  | 7.7  |
| FIREWALL (PSG-WE1)        | 7.7  |
| FRONTLINE (EXP TF-09)     | 7.7  |
| HOVER (BURL TF-69)        | 7.7  |
| IS-TF 272                 | 7.7  |
| JS 825                    | 7.7  |
| JS 916                    | 7.7  |
| NIGHTCRAWLER (IS-TF 285)  | 7.7  |
| PARAMOUNT (PPG-TF-137)    | 7.7  |
| PSG-TT4                   | 7.7  |
| ROCKWELL (LTP-TWUU)       | 7.7  |
| THUNDERSTRUCK (TD1)       | 7.7  |
| TITANIUM 2LS (PPG-TF-152) | 7.7  |
| WARHAWK                   | 7.7  |
| ATF 1612                  | 7.3  |
| ATF 1736                  | 7.3  |
| CATALYST                  | 7.3  |
| JS 809                    | 7.3  |
| K12-13                    | 7.3  |
| KY-31                     | 7.3  |
| PSG-P01                   | 7.3  |
| REGENERATE                | 7.3  |
| W41                       | 7.3  |
| PPG-TF-169                | 7.0  |
| ANNIHILATOR               | 6.7  |
| KINGDOM (DB1)             | 6.7  |
| RAD-TF-92                 | 6.7  |
| BAR FA 120878             | 6.3  |
| OLYMPUS (RAD-TF-88)       | 6.3  |
| RAD-TF-83                 | 6.3  |
| 204 RES. BLK4             | 6.0  |
| MARAUDER                  | 5.3  |
| COMP. RES. SST            | 4.7  |
| LSD VALUE                 | 1.5  |
| C.V. (%)                  | 11.3 |

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

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

TABLE 37.

PERCENT WINTER DAMAGE (FEBRUARY) OF TALL FESCUE CULTIVARS 1/  
2015 DATA 2/

| NAME                         | NC1  | NAME                         | NC1  |
|------------------------------|------|------------------------------|------|
| K12-13                       | 40.0 | TERRANO                      | 25.0 |
| BAR FA 121095                | 36.7 | BULLSEYE                     | 23.3 |
| OLYMPUS (RAD-TF-88)          | 36.7 | CROSSFIRE 4 (IS-TF 310 SEL)  | 23.3 |
| FOXHOUND (IS-TF 284 M2)      | 35.0 | DYNAMITE LS (PPG-TF-145)     | 23.3 |
| JS 818                       | 35.0 | IS-TF 269 SEL                | 23.3 |
| IS-TF 272                    | 33.3 | PSG-TT4                      | 23.3 |
| ARES (PPG-TF-142)            | 31.7 | RAD-TF-83                    | 23.3 |
| JS 809                       | 31.7 | THOR (PPG-TF-157)            | 23.3 |
| JS 819                       | 31.7 | W41                          | 23.3 |
| JS 825                       | 31.7 | WARHAWK                      | 23.3 |
| PPG-TF-115                   | 31.7 | CAESAR (TY 10)               | 21.7 |
| PSG-8BP2                     | 31.7 | FAITH                        | 21.7 |
| INSPIRATION (PST-R5NW)       | 30.0 | FAYETTE (IS-TF 291)          | 21.7 |
| PST-5DZP                     | 30.0 | FIREBIRD 2                   | 21.7 |
| RHIZING MOON (IS-TF 305 SEL) | 30.0 | GRANDE 3                     | 21.7 |
| SUPERSONIC (PPG-TF-170)      | 28.3 | HEMI                         | 21.7 |
| IS-TF-287                    | 28.3 | JS 916                       | 21.7 |
| K12-05                       | 28.3 | MERIDIAN (PST-5GRB)          | 21.7 |
| NIGHTCRAWLER (IS-TF 285)     | 28.3 | PARAMOUNT (PPG-TF-137)       | 21.7 |
| RHAMBLER 2 SRP (LSD)         | 28.3 | PPG-TF-135                   | 21.7 |
| UNITUS (IS-TF 289)           | 28.3 | RAD-TF-89                    | 21.7 |
| ANNIHILATOR                  | 26.7 | REBOUNDER (PICK-W43)         | 21.7 |
| B23                          | 26.7 | SALTILLO (PST-5SALT)         | 21.7 |
| BAR FA 121089                | 26.7 | TEMPLE (DZ1)                 | 21.7 |
| EMBRACE (PST-5EV2)           | 26.7 | TRAVERSE 2 SRP (W45)         | 21.7 |
| HOUNDOG8 (IS-TF 307 SEL)     | 26.7 | WICHITA (PPG-TF-151)         | 21.7 |
| HOVER (BURL TF-69)           | 26.7 | XTENDER (PPG-TF-139)         | 21.7 |
| K12-MCD                      | 26.7 | ATF 1612                     | 20.0 |
| MEMPHIS (GO-DFR)             | 26.7 | DIABLO (IS-TF 330)           | 20.0 |
| PSG-GSD                      | 26.7 | FESNOVA                      | 20.0 |
| SWAGGER (PST-5R05)           | 26.7 | LEONARDO (LTP-FSD)           | 20.0 |
| TEMPTATION (OR-21)           | 26.7 | MET 1                        | 20.0 |
| TURFWAY (IS-TF 282 M2)       | 26.7 | MICHELANGELO (LTP-F5DPDR)    | 20.0 |
| ATF 1736                     | 25.0 | PST-5MVD                     | 20.0 |
| BAR FA 121091                | 25.0 | RAIN DANCE (PST-5SDT)        | 20.0 |
| IS-TF 276 M2                 | 25.0 | REFLECTION (U45)             | 20.0 |
| KY-31                        | 25.0 | ROWDY (SRX-TPC)              | 20.0 |
| MARAUDER                     | 25.0 | SCREAMER LS (PPG-TF-148)     | 20.0 |
| PPG-TF-138                   | 25.0 | ATF 1754                     | 18.3 |
| PST-5BPO                     | 25.0 | BIZEM                        | 18.3 |
| PST-5BRK                     | 25.0 | COMP. RES. SST               | 18.3 |
| RAD-TF-92                    | 25.0 | FIRECRACKER SLS (PPG-TF-105) | 18.3 |
| RAPTOR III (ZW 44)           | 25.0 | FIREWALL (PSG-WE1)           | 18.3 |
|                              |      | HOT ROD (BURL TF-136)        | 18.3 |

TABLE 37. PERCENT WINTER DAMAGE (FEBRUARY) OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA 2/

| NAME                      | NC1  |
|---------------------------|------|
| IS-TF 308 SEL             | 18.3 |
| IS-TF 311                 | 18.3 |
| MAESTRO (T31)             | 18.3 |
| AQUADUCT                  | 16.7 |
| AVENGER II (PPG-TF-156)   | 16.7 |
| BAR FA 120878             | 16.7 |
| BLACK TAIL (PPG-TF-150)   | 16.7 |
| FALCON IV                 | 16.7 |
| FALCON V                  | 16.7 |
| FRONTLINE (EXP TF-09)     | 16.7 |
| KINGDOM (DB1)             | 16.7 |
| VALKYRIE LS (PPG-TF-172)  | 16.7 |
| PSG-P01                   | 16.7 |
| PST-5EX2                  | 16.7 |
| THUNDERSTRUCK (TD1)       | 16.7 |
| TITANIUM 2LS (PPG-TF-152) | 16.7 |
| 204 RES. BLK4             | 15.0 |
| AMITY (CCR2)              | 15.0 |
| PPG-TF-169                | 15.0 |
| 4TH MILLENNIUM SRP (U43)  | 13.3 |
| ATF 1704                  | 13.3 |
| BLOODHOUND (MET 6 SEL)    | 13.3 |
| CATALYST                  | 13.3 |
| GTO (BURL TF-2)           | 13.3 |
| REGENERATE                | 13.3 |
| ROCKWELL (LTP-TWUU)       | 13.3 |
| MET-3                     | 11.7 |
| TECHNIQUE (RZ2)           | 11.7 |
| F711                      | 10.0 |
| LSD VALUE                 | 14.2 |
| C.V. (%)                  | 39.1 |

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 38. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
AT STILLWATER, OK 1/  
2015 DATA

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

| NAME                         | AUGUST | SEPTEMBER | MEAN |
|------------------------------|--------|-----------|------|
| KY-31                        | 8.0    | 8.7       | 8.3  |
| SUPERSONIC (PPG-TF-170)      | 8.7    | 7.3       | 8.0  |
| GTO (BURL TF-2)              | 8.7    | 7.3       | 8.0  |
| AVENGER II (PPG-TF-156)      | 8.7    | 7.0       | 7.8  |
| EMBRACE (PST-5EV2)           | 8.7    | 7.0       | 7.8  |
| FAYETTE (IS-TF 291)          | 8.7    | 7.0       | 7.8  |
| SWAGGER (PST-5RO5)           | 9.0    | 6.7       | 7.8  |
| PARAMOUNT (PPG-TF-137)       | 8.3    | 7.0       | 7.7  |
| TERRANO                      | 8.7    | 6.7       | 7.7  |
| THOR (PPG-TF-157)            | 8.3    | 7.0       | 7.7  |
| F711                         | 7.7    | 7.3       | 7.5  |
| IS-TF 308 SEL                | 8.0    | 7.0       | 7.5  |
| LEONARDO (LTP-FSD)           | 8.0    | 7.0       | 7.5  |
| PSG-GSD                      | 8.0    | 6.7       | 7.3  |
| SALTILLO (PST-5SALT)         | 7.7    | 7.0       | 7.3  |
| 4TH MILLENNIUM SRP (U43)     | 8.0    | 6.3       | 7.2  |
| AQUADUCT                     | 8.0    | 6.3       | 7.2  |
| CATALYST                     | 7.7    | 6.7       | 7.2  |
| DYNAMITE LS (PPG-TF-145)     | 7.0    | 7.3       | 7.2  |
| FALCON IV                    | 8.0    | 6.3       | 7.2  |
| GRANDE 3                     | 8.3    | 6.0       | 7.2  |
| K12-MCD                      | 7.0    | 7.3       | 7.2  |
| MAESTRO (T31)                | 7.7    | 6.7       | 7.2  |
| PST-5BP0                     | 7.7    | 6.7       | 7.2  |
| ROCKWELL (LTP-TWUU)          | 7.0    | 7.3       | 7.2  |
| BAR FA 120878                | 7.7    | 6.3       | 7.0  |
| IS-TF-287                    | 8.3    | 5.7       | 7.0  |
| MET 1                        | 8.7    | 5.3       | 7.0  |
| MICHELANGELO (LTP-F5DPDR)    | 8.0    | 6.0       | 7.0  |
| PPG-TF-115                   | 7.3    | 6.7       | 7.0  |
| REGENERATE                   | 7.7    | 6.3       | 7.0  |
| RHAMBLER 2 SRP (LSD)         | 7.3    | 6.7       | 7.0  |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 7.0    | 6.7       | 6.8  |
| FESNOVA                      | 7.7    | 6.0       | 6.8  |
| MERIDIAN (PST-5GRB)          | 7.7    | 6.0       | 6.8  |
| NIGHTCRAWLER (IS-TF 285)     | 7.3    | 6.3       | 6.8  |
| PSG-8BP2                     | 8.3    | 5.3       | 6.8  |
| RAPTOR III (ZW 44)           | 7.7    | 6.0       | 6.8  |
| ROWDY (SRX-TPC)              | 7.3    | 6.3       | 6.8  |
| TURFWAY (IS-TF 282 M2)       | 7.3    | 6.3       | 6.8  |
| WICHITA (PPG-TF-151)         | 7.3    | 6.3       | 6.8  |
| FIRECRACKER SLS (PPG-TF-105) | 7.3    | 6.0       | 6.7  |
| IS-TF 311                    | 8.3    | 5.0       | 6.7  |
| K12-05                       | 7.3    | 6.0       | 6.7  |
| PPG-TF-135                   | 7.7    | 5.7       | 6.7  |



TABLE 38. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) AT STILLWATER, OK 1/  
2015 DATA

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

| NAME                         | AUGUST | SEPTEMBER | MEAN |
|------------------------------|--------|-----------|------|
| REBOUNDER (PICK-W43)         | 7.7    | 5.7       | 6.7  |
| SCREAMER LS (PPG-TF-148)     | 7.7    | 5.7       | 6.7  |
| TEMPLE (DZ1)                 | 7.3    | 6.0       | 6.7  |
| TEMPTATION (OR-21)           | 7.7    | 5.7       | 6.7  |
| THUNDERSTRUCK (TD1)          | 8.0    | 5.3       | 6.7  |
| TRAVERSE 2 SRP (W45)         | 8.0    | 5.3       | 6.7  |
| ATF 1704                     | 6.7    | 6.3       | 6.5  |
| ATF 1736                     | 7.0    | 6.0       | 6.5  |
| FIREBIRD 2                   | 7.3    | 5.7       | 6.5  |
| FRONTLINE (EXP TF-09)        | 7.3    | 5.7       | 6.5  |
| HEMI                         | 7.3    | 5.7       | 6.5  |
| JS 819                       | 7.3    | 5.7       | 6.5  |
| PPG-TF-138                   | 7.3    | 5.7       | 6.5  |
| VALKYRIE LS (PPG-TF-172)     | 6.7    | 6.3       | 6.5  |
| RHIZING MOON (IS-TF 305 SEL) | 7.3    | 5.7       | 6.5  |
| AMITY (CCR2)                 | 7.0    | 5.7       | 6.3  |
| CAESAR (TY 10)               | 7.3    | 5.3       | 6.3  |
| FALCON V                     | 7.7    | 5.0       | 6.3  |
| JS 825                       | 8.0    | 4.7       | 6.3  |
| JS 916                       | 7.3    | 5.3       | 6.3  |
| MEMPHIS (GO-DFR)             | 8.0    | 4.7       | 6.3  |
| MET-3                        | 6.7    | 6.0       | 6.3  |
| PSG-PO1                      | 7.7    | 5.0       | 6.3  |
| PST-5BRK                     | 7.0    | 5.7       | 6.3  |
| PST-5DZP                     | 7.3    | 5.3       | 6.3  |
| RAIN DANCE (PST-5SDT)        | 6.3    | 6.3       | 6.3  |
| TECHNIQUE (RZ2)              | 7.0    | 5.7       | 6.3  |
| UNITUS (IS-TF 289)           | 7.7    | 5.0       | 6.3  |
| WARHAWK                      | 8.3    | 4.3       | 6.3  |
| BAR FA 121095                | 7.0    | 5.3       | 6.2  |
| IS-TF 276 M2                 | 7.0    | 5.3       | 6.2  |
| JS 809                       | 7.3    | 5.0       | 6.2  |
| JS 818                       | 7.7    | 4.7       | 6.2  |
| PPG-TF-169                   | 7.3    | 5.0       | 6.2  |
| PSG-TT4                      | 6.7    | 5.7       | 6.2  |
| PST-5EX2                     | 7.0    | 5.3       | 6.2  |
| REFLECTION (U45)             | 6.7    | 5.7       | 6.2  |
| TITANIUM 2LS (PPG-TF-152)    | 7.3    | 5.0       | 6.2  |
| B23                          | 7.0    | 5.0       | 6.0  |
| COMP. RES. SST               | 7.7    | 4.3       | 6.0  |
| FAITH                        | 7.3    | 4.7       | 6.0  |
| FIREWALL (PSG-WE1)           | 7.0    | 5.0       | 6.0  |
| W41                          | 7.0    | 5.0       | 6.0  |
| 204 RES. BLK4                | 7.0    | 4.7       | 5.8  |
| BAR FA 121089                | 6.7    | 5.0       | 5.8  |

TABLE 38. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) AT STILLWATER, OK 1/  
2015 DATA

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

| NAME                     | AUGUST | SEPTEMBER | MEAN |
|--------------------------|--------|-----------|------|
| BIZEM                    | 7.3    | 4.3       | 5.8  |
| FOXHOUND (IS-TF 284 M2)  | 7.0    | 4.7       | 5.8  |
| HOT ROD (BURL TF-136)    | 6.0    | 5.7       | 5.8  |
| HOUNDOG8 (IS-TF 307 SEL) | 6.7    | 5.0       | 5.8  |
| INSPIRATION (PST-R5NW)   | 7.7    | 4.0       | 5.8  |
| IS-TF 272                | 6.7    | 5.0       | 5.8  |
| K12-13                   | 7.0    | 4.7       | 5.8  |
| RAD-TF-89                | 7.0    | 4.7       | 5.8  |
| XTENDER (PPG-TF-139)     | 6.3    | 5.3       | 5.8  |
| ATF 1612                 | 6.3    | 5.0       | 5.7  |
| BLACK TAIL (PPG-TF-150)  | 6.7    | 4.7       | 5.7  |
| KINGDOM (DB1)            | 7.0    | 4.3       | 5.7  |
| MARAUDER                 | 7.7    | 3.7       | 5.7  |
| ARES (PPG-TF-142)        | 6.0    | 5.0       | 5.5  |
| ATF 1754                 | 6.0    | 5.0       | 5.5  |
| BAR FA 121091            | 6.0    | 5.0       | 5.5  |
| BULLSEYE                 | 7.0    | 4.0       | 5.5  |
| DIABLO (IS-TF 330)       | 6.3    | 4.7       | 5.5  |
| PST-5MVD                 | 6.0    | 5.0       | 5.5  |
| RAD-TF-92                | 7.7    | 3.3       | 5.5  |
| ANNIHILATOR              | 7.3    | 3.3       | 5.3  |
| BLOODHOUND (MET 6 SEL)   | 6.0    | 4.7       | 5.3  |
| OLYMPUS (RAD-TF-88)      | 6.7    | 3.7       | 5.2  |
| IS-TF 269 SEL            | 5.3    | 4.3       | 4.8  |
| HOVER (BURL TF-69)       | 5.7    | 3.3       | 4.5  |
| RAD-TF-83                | 5.3    | 3.3       | 4.3  |
| LSD VALUE                | 2.2    | 2.6       | 1.8  |
| C.V. (%)                 | 13.3   | 22.3      | 13.7 |

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 39. PERCENT PYTHIUM RATINGS OF TALL FESCUE CULTIVARS  
 AT KNOXVILLE, TN 1/  
 2015 DATA 2/

| NAME                        | JUNE | JULY 15 | JULY 29 | AUGUST | MEAN |
|-----------------------------|------|---------|---------|--------|------|
| REBOUNDER (PICK-W43)        | 3.3  | 18.3    | 17.7    | 14.7   | 13.5 |
| RAD-TF-89                   | 1.7  | 7.7     | 20.7    | 17.7   | 11.9 |
| PST-5MVD                    | 4.0  | 8.3     | 19.0    | 16.0   | 11.8 |
| REGENERATE                  | 5.0  | 7.0     | 19.0    | 16.0   | 11.8 |
| TURFWAY (IS-TF 282 M2)      | 3.3  | 10.0    | 16.7    | 13.7   | 10.9 |
| HOUNDOG8 (IS-TF 307 SEL)    | 9.0  | 10.7    | 13.3    | 10.3   | 10.8 |
| MAESTRO (T31)               | 4.0  | 9.0     | 16.7    | 13.7   | 10.8 |
| PARAMOUNT (PPG-TF-137)      | 0.0  | 6.3     | 19.0    | 16.0   | 10.3 |
| ARES (PPG-TF-142)           | 0.0  | 0.0     | 21.7    | 18.7   | 10.1 |
| TECHNIQUE (RZ2)             | 2.7  | 3.3     | 18.3    | 15.3   | 9.9  |
| HOT ROD (BURL TF-136)       | 2.0  | 7.3     | 16.3    | 13.3   | 9.8  |
| RAD-TF-92                   | 1.7  | 6.7     | 16.7    | 13.7   | 9.7  |
| CAESAR (TY 10)              | 3.3  | 4.0     | 17.0    | 14.0   | 9.6  |
| PST-5BPO                    | 3.3  | 7.3     | 15.0    | 12.0   | 9.4  |
| BLACK TAIL (PPG-TF-150)     | 6.7  | 3.3     | 15.0    | 12.0   | 9.3  |
| PSG-P01                     | 0.0  | 3.3     | 18.3    | 15.3   | 9.3  |
| HOVER (BURL TF-69)          | 0.0  | 5.7     | 16.7    | 13.7   | 9.0  |
| PPG-TF-135                  | 2.7  | 1.7     | 17.3    | 14.3   | 9.0  |
| RAD-TF-83                   | 0.0  | 5.3     | 16.7    | 13.7   | 8.9  |
| ATF 1704                    | 0.0  | 7.7     | 15.3    | 12.3   | 8.8  |
| KINGDOM (DB1)               | 0.0  | 1.7     | 18.3    | 15.3   | 8.8  |
| AMITY (CCR2)                | 3.3  | 6.0     | 14.0    | 11.0   | 8.6  |
| IS-TF 308 SEL               | 0.0  | 4.0     | 16.7    | 13.7   | 8.6  |
| OLYMPUS (RAD-TF-88)         | 0.0  | 7.0     | 14.7    | 11.7   | 8.3  |
| THOR (PPG-TF-157)           | 0.0  | 7.0     | 14.7    | 11.7   | 8.3  |
| PPG-TF-169                  | 0.0  | 6.7     | 14.0    | 11.0   | 7.9  |
| BLOODHOUND (MET 6 SEL)      | 0.0  | 3.0     | 15.7    | 12.7   | 7.8  |
| FIREWALL (PSG-WE1)          | 0.0  | 4.3     | 14.3    | 11.3   | 7.5  |
| PST-5DZP                    | 0.0  | 3.0     | 15.0    | 12.0   | 7.5  |
| ATF 1754                    | 0.0  | 4.7     | 14.0    | 11.0   | 7.4  |
| IS-TF 272                   | 0.0  | 3.3     | 14.7    | 11.7   | 7.4  |
| MICHELANGELO (LTP-F5DPDR)   | 0.0  | 6.0     | 13.3    | 10.3   | 7.4  |
| RAIN DANCE (PST-5SDT)       | 0.0  | 3.7     | 14.3    | 11.3   | 7.3  |
| VALKYRIE LS (PPG-TF-172)    | 2.7  | 4.3     | 12.3    | 9.3    | 7.2  |
| SCREAMER LS (PPG-TF-148)    | 0.0  | 1.7     | 15.0    | 12.0   | 7.2  |
| COMP. RES. SST              | 0.0  | 0.0     | 15.7    | 12.7   | 7.1  |
| MEMPHIS (GO-DFR)            | 0.0  | 3.3     | 14.0    | 11.0   | 7.1  |
| BAR FA 121089               | 1.7  | 2.7     | 13.3    | 10.3   | 7.0  |
| HEMI                        | 0.0  | 2.0     | 14.3    | 11.3   | 6.9  |
| IS-TF 269 SEL               | 0.0  | 2.7     | 14.0    | 11.0   | 6.9  |
| IS-TF 311                   | 0.0  | 4.3     | 13.0    | 10.0   | 6.8  |
| UNITUS (IS-TF 289)          | 0.0  | 0.0     | 15.0    | 12.0   | 6.8  |
| CROSSFIRE 4 (IS-TF 310 SEL) | 0.0  | 1.7     | 14.0    | 11.0   | 6.7  |
| SALTILLO (PST-5SALT)        | 0.0  | 4.3     | 12.7    | 9.7    | 6.7  |
| IS-TF 276 M2                | 1.7  | 5.7     | 11.0    | 8.0    | 6.6  |
| W41                         | 2.0  | 4.0     | 11.7    | 8.7    | 6.6  |
| ANNIHILATOR                 | 0.0  | 7.7     | 10.7    | 7.7    | 6.5  |

TABLE 39. PERCENT PYTHIUM RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) AT KNOXVILLE, TN 1/  
 2015 DATA 2/

| NAME                         | JUNE | JULY 15 | JULY 29 | AUGUST | MEAN |
|------------------------------|------|---------|---------|--------|------|
| BAR FA 121095                | 0.0  | 6.7     | 11.0    | 8.0    | 6.4  |
| IS-TF-287                    | 0.0  | 2.0     | 13.3    | 10.3   | 6.4  |
| MET 1                        | 0.0  | 0.0     | 14.3    | 11.3   | 6.4  |
| B23                          | 0.0  | 1.7     | 13.3    | 10.3   | 6.3  |
| NIGHTCRAWLER (IS-TF 285)     | 0.0  | 1.7     | 13.3    | 10.3   | 6.3  |
| AVENGER II (PPG-TF-156)      | 0.0  | 3.3     | 12.0    | 9.0    | 6.1  |
| PPG-TF-138                   | 0.0  | 2.0     | 12.7    | 9.7    | 6.1  |
| RHIZING MOON (IS-TF 305 SEL) | 0.0  | 1.7     | 12.7    | 9.7    | 6.0  |
| CATALYST                     | 0.0  | 0.0     | 13.3    | 10.3   | 5.9  |
| EMBRACE (PST-5EV2)           | 0.0  | 3.3     | 11.7    | 8.7    | 5.9  |
| REFLECTION (U45)             | 0.0  | 0.0     | 13.3    | 10.3   | 5.9  |
| TEMPTATION (OR-21)           | 0.0  | 0.0     | 13.3    | 10.3   | 5.9  |
| ATF 1736                     | 0.0  | 0.0     | 13.0    | 10.0   | 5.8  |
| FALCON V                     | 0.0  | 0.0     | 13.0    | 10.0   | 5.8  |
| JS 825                       | 0.0  | 7.7     | 9.3     | 6.3    | 5.8  |
| WICHITA (PPG-TF-151)         | 0.0  | 1.7     | 12.0    | 9.0    | 5.7  |
| PSG-TT4                      | 0.0  | 4.0     | 10.7    | 7.7    | 5.6  |
| BIZEM                        | 0.0  | 3.0     | 11.0    | 8.0    | 5.5  |
| ROCKWELL (LTP-TWUU)          | 0.0  | 1.7     | 11.7    | 8.7    | 5.5  |
| DYNAMITE LS (PPG-TF-145)     | 0.0  | 8.0     | 8.0     | 5.0    | 5.3  |
| PPG-TF-115                   | 0.0  | 1.7     | 11.3    | 8.3    | 5.3  |
| K12-MCD                      | 2.7  | 1.7     | 9.7     | 6.7    | 5.2  |
| ATF 1612                     | 0.0  | 0.0     | 11.7    | 8.7    | 5.1  |
| FALCON IV                    | 0.0  | 2.0     | 10.7    | 7.7    | 5.1  |
| GRANDE 3                     | 0.0  | 0.0     | 11.7    | 8.7    | 5.1  |
| MARAUDER                     | 0.0  | 0.0     | 11.7    | 8.7    | 5.1  |
| TRAVERSE 2 SRP (W45)         | 0.0  | 0.0     | 11.7    | 8.7    | 5.1  |
| BULLSEYE                     | 0.0  | 1.7     | 10.7    | 7.7    | 5.0  |
| FIREBIRD 2                   | 0.0  | 0.0     | 11.3    | 8.3    | 4.9  |
| JS 819                       | 0.0  | 0.0     | 11.3    | 8.3    | 4.9  |
| RAPTOR III (ZW 44)           | 0.0  | 0.0     | 11.3    | 8.3    | 4.9  |
| BAR FA 120878                | 0.0  | 2.0     | 10.0    | 7.0    | 4.8  |
| FAITH                        | 0.0  | 2.0     | 10.0    | 7.0    | 4.8  |
| K12-05                       | 0.0  | 7.3     | 7.3     | 4.3    | 4.8  |
| MERIDIAN (PST-5GRB)          | 0.0  | 0.0     | 11.0    | 8.0    | 4.8  |
| ROWDY (SRX-TPC)              | 0.0  | 4.0     | 9.0     | 6.0    | 4.8  |
| 204 RES. BLK4                | 0.0  | 1.7     | 10.0    | 7.0    | 4.7  |
| GTO (BURL TF-2)              | 0.0  | 0.0     | 10.7    | 7.7    | 4.6  |
| TITANIUM 2LS (PPG-TF-152)    | 0.0  | 0.0     | 10.7    | 7.7    | 4.6  |
| THUNDERSTRUCK (TD1)          | 0.0  | 1.7     | 9.7     | 6.7    | 4.5  |
| MET-3                        | 0.0  | 0.0     | 10.3    | 7.3    | 4.4  |
| FAYETTE (IS-TF 291)          | 0.0  | 0.0     | 10.0    | 7.0    | 4.3  |
| FESNOVA                      | 0.0  | 0.0     | 10.0    | 7.0    | 4.3  |
| FRONTLINE (EXP TF-09)        | 0.0  | 0.0     | 10.0    | 7.0    | 4.3  |
| K12-13                       | 0.0  | 0.0     | 10.0    | 7.0    | 4.3  |
| XTENDER (PPG-TF-139)         | 0.0  | 1.7     | 9.3     | 6.3    | 4.3  |
| SUPERSONIC (PPG-TF-170)      | 0.0  | 0.0     | 9.3     | 6.3    | 3.9  |

TABLE 39. PERCENT PYTHIUM RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) AT KNOXVILLE, TN 1/  
 2015 DATA 2/

| NAME                         | JUNE  | JULY 15 | JULY 29 | AUGUST | MEAN |
|------------------------------|-------|---------|---------|--------|------|
| FIRECRACKER SLS (PPG-TF-105) | 0.0   | 0.0     | 9.3     | 6.3    | 3.9  |
| FOXHOUND (IS-TF 284 M2)      | 0.0   | 4.0     | 7.3     | 4.3    | 3.9  |
| JS 818                       | 0.0   | 0.0     | 9.3     | 6.3    | 3.9  |
| JS 916                       | 0.0   | 2.0     | 8.3     | 5.3    | 3.9  |
| JS 809                       | 0.0   | 2.3     | 8.0     | 5.0    | 3.8  |
| TEMPLE (DZ1)                 | 0.0   | 1.7     | 8.3     | 5.3    | 3.8  |
| TERRANO                      | 0.0   | 0.0     | 9.0     | 6.0    | 3.8  |
| 4TH MILLENNIUM SRP (U43)     | 0.0   | 0.0     | 8.7     | 5.7    | 3.6  |
| F711                         | 0.0   | 0.0     | 8.7     | 5.7    | 3.6  |
| PSG-GSD                      | 0.0   | 0.0     | 8.7     | 5.7    | 3.6  |
| SWAGGER (PST-5R05)           | 0.0   | 0.0     | 8.7     | 5.7    | 3.6  |
| WARHAWK                      | 0.0   | 0.0     | 8.7     | 5.7    | 3.6  |
| INSPIRATION (PST-R5NW)       | 0.0   | 0.0     | 8.3     | 5.3    | 3.4  |
| PST-5BRK                     | 0.0   | 0.0     | 8.3     | 5.3    | 3.4  |
| DIABLO (IS-TF 330)           | 0.0   | 0.0     | 8.0     | 5.0    | 3.3  |
| LEONARDO (LTP-FSD)           | 0.0   | 0.0     | 8.0     | 5.0    | 3.3  |
| AQUADUCT                     | 0.0   | 0.0     | 7.7     | 4.7    | 3.1  |
| PST-5EX2                     | 0.0   | 0.0     | 7.7     | 4.7    | 3.1  |
| BAR FA 121091                | 0.0   | 0.0     | 7.3     | 4.3    | 2.9  |
| RHAMBLER 2 SRP (LSD)         | 0.0   | 0.0     | 6.0     | 3.0    | 2.3  |
| KY-31                        | 0.0   | 0.0     | 5.7     | 2.7    | 2.1  |
| PSG-8BP2                     | 0.0   | 0.0     | 5.0     | 2.0    | 1.8  |
| LSD VALUE                    | 6.6   | 9.5     | 9.6     | 9.6    | 7.1  |
| C.V. (%)                     | 383.6 | 150.9   | 36.0    | 47.6   | 50.8 |

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

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

## APPENDIX TABLE.

SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS \*/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF \*\*/

| NAME<br>NAME                 | QUALITY<br>MEAN 1/<br>grand_q | MAXIMUM<br>IN TOP 25% 2/<br>percent | NAME<br>NAME              | QUALITY<br>MEAN 1/<br>grand_q | MAXIMUM<br>IN TOP 25% 2/<br>percent |
|------------------------------|-------------------------------|-------------------------------------|---------------------------|-------------------------------|-------------------------------------|
| 204 RES. BLK4                | 5.5                           | 11.1                                | INSPIRATION (PST-R5NW)    | 5.5                           | 0.0                                 |
| 4TH MILLENNIUM SRP (U43)     | 6.7                           | 77.8                                | IS-TF 269 SEL             | 6.2                           | 27.8                                |
| AMITY (CCR2)                 | 6.7                           | 83.3                                | IS-TF 272                 | 5.9                           | 11.1                                |
| ANNIHILATOR                  | 5.3                           | 0.0                                 | IS-TF 276 M2              | 6.0                           | 5.6                                 |
| AQUADUCT                     | 5.4                           | 5.6                                 | IS-TF 308 SEL             | 6.4                           | 44.4                                |
| ARES (PPG-TF-142)            | 6.0                           | 11.1                                | IS-TF 311                 | 6.4                           | 38.9                                |
| ATF 1612                     | 6.3                           | 22.2                                | IS-TF-287                 | 6.1                           | 11.1                                |
| ATF 1704                     | 6.3                           | 33.3                                | JS 809                    | 5.6                           | 0.0                                 |
| ATF 1736                     | 6.0                           | 0.0                                 | JS 818                    | 5.7                           | 0.0                                 |
| ATF 1754                     | 6.1                           | 16.7                                | JS 819                    | 5.6                           | 0.0                                 |
| AVENGER II (PPG-TF-156)      | 6.6                           | 88.9                                | JS 825                    | 5.3                           | 0.0                                 |
| B23                          | 6.4                           | 50.0                                | JS 916                    | 6.3                           | 22.2                                |
| BAR FA 120878                | 4.6                           | 0.0                                 | K12-05                    | 6.0                           | 11.1                                |
| BAR FA 121089                | 5.5                           | 0.0                                 | K12-13                    | 5.4                           | 0.0                                 |
| BAR FA 121091                | 5.4                           | 0.0                                 | K12-MCD                   | 6.1                           | 5.6                                 |
| BAR FA 121095                | 5.7                           | 5.6                                 | KINGDOM (DB1)             | 6.1                           | 0.0                                 |
| BIZEM                        | 6.5                           | 61.1                                | KY-31                     | 3.5                           | 0.0                                 |
| BLACK TAIL (PPG-TF-150)      | 6.4                           | 50.0                                | LEONARDO (LTP-FSD)        | 6.2                           | 16.7                                |
| BLOODHOUND (MET 6 SEL)       | 6.4                           | 33.3                                | MAESTRO (T31)             | 6.5                           | 61.1                                |
| BULLSEYE                     | 6.1                           | 11.1                                | MARAUDER                  | 5.3                           | 0.0                                 |
| CAESAR (TY 10)               | 5.9                           | 0.0                                 | MEMPHIS (GO-DFR)          | 5.8                           | 0.0                                 |
| CATALYST                     | 6.2                           | 27.8                                | MERIDIAN (PST-5GRB)       | 6.1                           | 16.7                                |
| SUPERSONIC (PPG-TF-170)      | 6.6                           | 66.7                                | MET 1                     | 6.6                           | 83.3                                |
| COMP. RES. SST               | 5.4                           | 0.0                                 | MET-3                     | 6.5                           | 55.6                                |
| CROSSFIRE 4 (IS-TF 310 SEL)  | 6.4                           | 38.9                                | MICHELANGELO (LTP-F5DPDR) | 6.2                           | 22.2                                |
| DIABLO (IS-TF 330)           | 6.2                           | 22.2                                | NIGHTCRAWLER (IS-TF 285)  | 6.1                           | 5.6                                 |
| DYNAMITE LS (PPG-TF-145)     | 6.0                           | 0.0                                 | OLYMPUS (RAD-TF-88)       | 6.0                           | 5.6                                 |
| EMBRACE (PST-5EV2)           | 6.3                           | 16.7                                | PARAMOUNT (PPG-TF-137)    | 6.5                           | 44.4                                |
| F711                         | 6.5                           | 50.0                                | PPG-TF-115                | 6.0                           | 11.1                                |
| FAITH                        | 6.3                           | 22.2                                | PPG-TF-135                | 6.6                           | 66.7                                |
| FALCON IV                    | 5.7                           | 0.0                                 | PPG-TF-138                | 6.2                           | 16.7                                |
| FALCON V                     | 6.2                           | 11.1                                | PPG-TF-169                | 6.4                           | 33.3                                |
| FAYETTE (IS-TF 291)          | 6.5                           | 55.6                                | VALKYRIE LS (PPG-TF-172)  | 6.4                           | 44.4                                |
| FESNOVA                      | 6.2                           | 27.8                                | PSG-8BP2                  | 5.7                           | 5.6                                 |
| FIREBIRD 2                   | 6.3                           | 33.3                                | PSG-GSD                   | 5.8                           | 11.1                                |
| FIRECRACKER SLS (PPG-TF-105) | 6.4                           | 38.9                                | PSG-P01                   | 6.5                           | 50.0                                |
| FIREWALL (PSG-WE1)           | 6.4                           | 50.0                                | PSG-TT4                   | 5.6                           | 0.0                                 |
| FOXHOUND (IS-TF 284 M2)      | 6.2                           | 11.1                                | PST-5BPO                  | 6.0                           | 11.1                                |
| FRONTLINE (EXP TF-09)        | 5.5                           | 5.6                                 | PST-5BRK                  | 6.0                           | 16.7                                |
| GRANDE 3                     | 6.3                           | 27.8                                | PST-5DZP                  | 5.8                           | 0.0                                 |
| GTO (BURL TF-2)              | 6.4                           | 38.9                                | PST-5EX2                  | 5.8                           | 5.6                                 |
| HEMI                         | 6.5                           | 44.4                                | PST-5MVD                  | 6.0                           | 5.6                                 |
| HOT ROD (BURL TF-136)        | 6.4                           | 44.4                                | RAD-TF-83                 | 5.7                           | 5.6                                 |
| HOUNDOG8 (IS-TF 307 SEL)     | 6.3                           | 38.9                                | RAD-TF-89                 | 6.0                           | 5.6                                 |
| HOVER (BURL TF-69)           | 6.1                           | 22.2                                | RAD-TF-92                 | 6.0                           | 16.7                                |

APPENDIX TABLE.  
(CONT'D)

SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS  
2015 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

| NAME                         | QUALITY | MAXIMUM       |
|------------------------------|---------|---------------|
|                              | MEAN 1/ | IN TOP 25% 2/ |
| RAIN DANCE (PST-5SDT)        | 5.8     | 5.6           |
| RAPTOR III (ZW 44)           | 6.6     | 61.1          |
| REBOUNDER (PICK-W43)         | 6.6     | 50.0          |
| REFLECTION (U45)             | 6.5     | 72.2          |
| REGENERATE                   | 6.7     | 72.2          |
| RHAMBLER 2 SRP (LSD)         | 6.3     | 22.2          |
| RHIZING MOON (IS-TF 305 SEL) | 6.3     | 27.8          |
| ROCKWELL (LTP-TWUU)          | 6.5     | 61.1          |
| ROWDY (SRX-TPC)              | 6.3     | 27.8          |
| SALTILLO (PST-5SALT)         | 6.0     | 11.1          |
| SCREAMER LS (PPG-TF-148)     | 6.4     | 22.2          |
| SWAGGER (PST-5R05)           | 5.8     | 11.1          |
| TECHNIQUE (RZ2)              | 6.6     | 61.1          |
| TEMPLE (DZ1)                 | 6.4     | 50.0          |
| TEMPTATION (OR-21)           | 5.8     | 16.7          |
| TERRANO                      | 6.0     | 5.6           |
| THOR (PPG-TF-157)            | 6.5     | 38.9          |
| THUNDERSTRUCK (TD1)          | 6.0     | 5.6           |
| TITANIUM 2LS (PPG-TF-152)    | 6.6     | 61.1          |
| TRAVERSE 2 SRP (W45)         | 6.6     | 55.6          |
| TURFWAY (IS-TF 282 M2)       | 6.2     | 11.1          |
| UNITUS (IS-TF 289)           | 6.1     | 11.1          |
| W41                          | 6.5     | 44.4          |
| WARHAWK                      | 5.3     | 0.0           |
| WICHITA (PPG-TF-151)         | 6.3     | 27.8          |
| XTENDER (PPG-TF-139)         | 6.3     | 33.3          |
| LSD VALUE                    | 0.2     |               |
| C.V. (%)                     | 7.9     |               |

\*/ 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.