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## 2008 NATIONAL FINELEAF FESCUE TEST

### LOCATIONS SUBMITTING DATA FOR 2009

| <u>State</u> | <u>Location</u>            | <u>Code</u> |
|--------------|----------------------------|-------------|
| California   | San Luis Obispo            | CA1         |
| California   | Palo Alto (Recycled Water) | CA8         |
| Illinois     | Urbana                     | IL1         |
| Illinois     | Carbondale (Shade)         | IL2         |
| Maryland     | College Park               | MD1         |
| Minnesota    | St. Paul                   | MN1         |
| Nebraska     | Mead                       | NE1         |
| New Jersey   | Adelphia                   | NJ2         |
| New York     | Ithaca                     | NY1         |
| Pennsylvania | University Park            | PA1         |
| Rhode Island | Kingston                   | RI1         |
| South Dakota | Brookings (Shade)          | SD1         |
| Utah         | Logan                      | UT1         |
| Virginia     | Blacksburg                 | VA1         |
| Washington   | Puyallup                   | WA3         |
| Wisconsin    | Madison                    | WI1         |

2008 NATIONAL FINELEAF FESCUE TEST

Entries and Sponsors

| Entry No. | Name              | Species             | Sponsor                 |
|-----------|-------------------|---------------------|-------------------------|
| * 1       | Treazure II       | chewings            | Standard entry          |
| * 2       | Boreal            | strong creeping red | Standard entry          |
| * 3       | Spartan II        | hard                | Standard entry          |
| * 4       | Intrigue 2        | chewings            | Turf Merchants          |
| * 5       | Zodiac            | chewings            | Standard entry          |
| 6         | MVS-OS-1          | strong creeping red | Mountain View Seeds     |
| 7         | Z6300             | hard                | Mountain View Seeds     |
| 8         | MVS-FRC-101       | chewings            | Mountain View Seeds     |
| 9         | Fairmont (TCD)    | chewings            | Dye Seed Ranch          |
| 10        | PSG 50C3          | chewings            | Seed Research of Oregon |
| 11        | NC-HF1            | hard                | Columbia River Seeds    |
| * 12      | Epic              | strong creeping red | Standard entry          |
| * 13      | Gotham            | hard                | John Deere Landscapes   |
| * 14      | Lacrosse          | chewings            | John Deere Landscapes   |
| 15        | IS-FRR-51         | strong creeping red | DLF International Seeds |
| 16        | IS-FRR-62         | strong creeping red | DLF International Seeds |
| 17        | IS-FRC-35         | chewings            | DLF International Seeds |
| 18        | IS-FRC-33         | chewings            | DLF International Seeds |
| * 19      | Cascade           | chewings            | Standard entry          |
| * 20      | Aberdeen          | strong creeping red | Brett-Young Seeds       |
| 21        | PST-4CSD          | chewings            | Silverton Seed          |
| 22        | PST-4HES          | hard                | Pure-Seed Testing       |
| 23        | Bighorn (ST-4BU3) | blue hard           | The Scotts Company      |
| 24        | PST-48Y7          | strong creeping red | Pure-Seed Testing       |
| 25        | PSG-5RM           | strong creeping red | The Scotts Co.          |

\* COMMERCIALY AVAILABLE IN THE USA IN 2010.



Taken From the full 2008 Fine Fescue Test - 09 Data with permission from NTEP

TABLE A.

2009 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 2008 NATIONAL FINELEAF FESCUE TEST

| LOCATION | SOIL TEXTURE        | SOIL PH | SOIL PHOSPHOROUS (LBS/ACRE) | SOIL POTASSIUM (LBS/ACRE) | NITROGEN (LBS/1000 SQ FT) | SUN OR SHADE  | MOWING HEIGHT (IN) | IRRIGATION PRACTICED      |
|----------|---------------------|---------|-----------------------------|---------------------------|---------------------------|---------------|--------------------|---------------------------|
| CA1      | SILTY CLAY LOAM     | 7.1-7.5 | 61-150                      | 501+                      | 2.1-3.0                   | FULL SUN      | 2.1-2.5            | TO PREVENT STRESS         |
| CA8      | LOAM                | 6.6-7.0 | 61-150                      | 0-150                     | 3.1-4.0                   | FULL SUN      | 4.1+               | TO PREVENT 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                        | 151-240                   | 1.1-2.0                   | UNIFORM SHADE | 2.1-2.5            | NO IRRIGATION             |
| MD1      | SILT LOAM AND SILT  | 5.6-6.0 | 0-60                        | 151-240                   | 0.0-1.0                   | FULL SUN      | 2.6-3.0            | NO IRRIGATION             |
| MN1      | SILTY CLAY LOAM     | 7.1-7.5 | 61-150                      | 151-240                   | 1.1-2.0                   | FULL SUN      | 0.0-0.5            | TO PREVENT DORMANCY       |
| NE1      | SILTY CLAY AND CLAY | 6.6-7.0 | 0-60                        | 501+                      | -                         | FULL SUN      | 2.1-2.5            | TO PREVENT STRESS         |
| NJ2      | SANDY LOAM          | 6.6-7.0 | 151-270                     | 241-375                   | 0.0-1.0                   | FULL SUN      | 1.1-1.5            | TO PREVENT STRESS         |
| NY1      | SANDY LOAM          | 6.1-6.5 | 151-270                     | 241-375                   | 1.1-2.0                   | FULL SUN      | 2.6-3.0            | ONLY DURING SEVERE STRESS |
| PA1      | LOAM                | 6.1-6.5 | 61-150                      | 151-240                   | 1.1-2.0                   | FULL SUN      | 2.6-3.0            | ONLY DURING SEVERE STRESS |
| RI1      | SANDY LOAM          | -       | -                           | -                         | 1.1-2.0                   | FULL SUN      | 1.1-1.5            | TO PREVENT DORMANCY       |
| SD1      | -                   | -       | -                           | -                         | -                         | DENSE SHADE   | 2.1-2.5            | ONLY DURING SEVERE STRESS |
| UT1      | SILT LOAM AND SILT  | 7.1-7.5 | 0-60                        | 0-150                     | 1.1-2.0                   | FULL SUN      | 2.6-3.0            | TO PREVENT DORMANCY       |
| VA1      | SILTY CLAY AND CLAY | 4.6-5.5 | 0-60                        | 151-240                   | 2.1-3.0                   | FULL SUN      | 0.6-1.0            | ONLY DURING SEVERE STRESS |
| WA3      | SAND                | 6.1-6.5 | 0-60                        | 0-150                     | 2.1-3.0                   | FULL SUN      | 1.1-1.5            | TO PREVENT DORMANCY       |
| WI1      | SILT LOAM AND SILT  | 7.1-7.5 | -                           | -                         | 3.1-4.0                   | FULL SUN      | 0.6-1.0            | TO PREVENT STRESS         |

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2009

| 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 |
|----------|------------------------------|-------------------------------|----------------------------|----------------------------|--------------------------|---------------------------|---------------------------|-----------------------------|--------------------------------|------------------------------|-------------------------------|-------------------------------|
| CA1      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             |
| CA8      |                              |                               |                            |                            |                          |                           |                           | X                           | X                              | X                            | X                             | X                             |
| IL1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| IL2      |                              |                               | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| MD1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| MN1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| NE1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| NJ2      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| NY1      |                              |                               |                            |                            |                          |                           | X                         | X                           | X                              | X                            |                               |                               |
| PA1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| RI1      |                              |                               |                            |                            |                          | X                         | X                         |                             |                                |                              |                               |                               |
| SD1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| UT1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |
| VA1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |
| WA3      |                              | X                             |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             |
| WI1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              |                              |                               |                               |

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2009

| LOCATION | GENETIC COLOR | SPRING GREENUP | LEAF TEXTURE | SEEDLING VIGOR | SPRING DENSITY | SUMMER DENSITY | FALL DENSITY | PERCENT COVER SPRING | PERCENT COVER SUMMER | PERCENT COVER FALL | WINTER COLOR | RED THREAD | BROWN PATCH WARM TEMP. |
|----------|---------------|----------------|--------------|----------------|----------------|----------------|--------------|----------------------|----------------------|--------------------|--------------|------------|------------------------|
| CA1      | X             |                |              |                |                |                |              |                      | X                    |                    |              |            |                        |
| CA8      |               |                |              |                |                |                |              |                      |                      |                    |              |            |                        |
| IL1      | X             | X              |              |                |                |                |              |                      |                      | X                  |              |            |                        |
| IL2      | X             |                |              | X              |                |                |              |                      |                      | X                  |              |            |                        |
| MD1      |               |                |              |                |                |                |              |                      |                      |                    |              |            |                        |
| MN1      | X             |                |              |                |                |                |              |                      |                      |                    |              |            |                        |
| NE1      | X             | X              |              |                | X              | X              | X            |                      |                      |                    |              |            |                        |
| NJ2      |               |                |              |                |                |                |              |                      |                      |                    |              |            |                        |
| NY1      |               |                |              | X              |                |                |              |                      |                      |                    |              |            |                        |
| PA1      | X             |                |              | X              |                |                |              |                      |                      | X                  |              |            |                        |
| RI1      | X             |                |              |                |                |                |              |                      |                      |                    |              |            |                        |
| SD1      | X             |                |              |                |                |                |              |                      | X                    |                    |              |            |                        |
| UT1      | X             |                |              |                |                |                |              |                      |                      |                    |              |            |                        |
| VA1      |               |                |              |                |                |                |              | X                    |                      |                    |              | X          | X                      |
| WA3      | X             |                |              | X              | X              | X              | X            | X                    | X                    |                    | X            |            |                        |
| WI1      |               |                |              |                |                |                |              | X                    | X                    | X                  |              |            |                        |

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2009

| LOCATION | MOWING<br>QUALITY | PERCENT<br>ESTABLISH-<br>MENT | PERCENT ESTABLISHMENT RATINGS |                  |                |                | PERCENT ESTABLISHMENT<br>6 WEEKS | PERCENT ESTABLISHMENT<br>10 WEEKS | WINTER<br>INJURY | WINTER<br>DENSITY | RED THREAD |           |
|----------|-------------------|-------------------------------|-------------------------------|------------------|----------------|----------------|----------------------------------|-----------------------------------|------------------|-------------------|------------|-----------|
|          |                   |                               | SEPTEMBER<br>2008             | NOVEMBER<br>2008 | SPRING<br>2009 | SUMMER<br>2009 |                                  |                                   |                  |                   | JUNE       | SEPTEMBER |
| CA1      |                   | X                             |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| CA8      |                   |                               |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| IL1      |                   | X                             |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| IL2      |                   |                               |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| MD1      |                   |                               |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| MN1      |                   | X                             |                               |                  |                |                |                                  | X                                 |                  |                   |            |           |
| NE1      |                   |                               |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| NJ2      |                   | X                             |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| NY1      |                   |                               |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| PA1      |                   |                               |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| RI1      |                   |                               |                               |                  | X              | X              |                                  |                                   |                  |                   |            |           |
| SD1      |                   | X                             |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| UT1      |                   | X                             |                               |                  |                |                |                                  |                                   |                  |                   |            |           |
| VA1      |                   |                               |                               |                  |                |                | X                                | X                                 |                  |                   |            |           |
| WA3      | X                 |                               | X                             | X                |                |                |                                  |                                   | X                |                   | X          | X         |
| WI1      |                   | X                             |                               |                  |                |                |                                  |                                   |                  |                   |            |           |

TABLE 1A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
GROWN AT FOUR LOCATIONS IN THE U.S. FOR AMMI GROUP 1 \*\*/  
2009 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |      |      |     |      |      |
|--|------|------|-----|------|------|
| NAME   | NJ1  | MD1  | NY1 | MN1  | MEAN |
| FAIRMONT (TCD)                                 | 5.5  | 5.3  | 7.2 | 7.0  | 6.2  |
| MVS-FRC-101                                    | 5.5  | 5.2  | 7.0 | 7.0  | 6.1  |
| IS-FRC-33                                      | 5.4  | 5.2  | 7.0 | 6.9  | 6.1  |
| Z6300  | 5.5  | 5.2  | 6.8 | 6.7  | 6.1  |
| * SPARTAN II                                   | 5.4  | 5.1  | 6.8 | 6.6  | 6.0  |
| * GOTHAM                                       | 5.4  | 5.2  | 6.8 | 6.4  | 5.9  |
| * INTRIGUE 2                                   | 5.2  | 5.0  | 7.0 | 6.5  | 5.9  |
| PSG-5RM  | 5.2  | 5.1  | 7.1 | 6.3  | 5.9  |
| IS-FRR-62                                      | 5.2  | 5.0  | 7.0 | 6.5  | 5.9  |
| PSG 50C3                                       | 5.2  | 5.0  | 7.0 | 6.5  | 5.9  |
| * TREAZURE II                                  | 5.2  | 4.9  | 6.8 | 6.5  | 5.9  |
| IS-FRR-51                                      | 5.1  | 5.0  | 7.1 | 6.3  | 5.9  |
| PST-4HES                                       | 5.3  | 5.0  | 6.7 | 6.4  | 5.8  |
| LACROSSE                                       | 5.1  | 5.0  | 6.8 | 6.4  | 5.8  |
| * ZODIAC                                       | 5.0  | 4.8  | 6.8 | 6.4  | 5.7  |
| NC-HF1   | 5.1  | 4.9  | 6.6 | 6.2  | 5.7  |
| IS-FRC-35                                      | 4.9  | 4.8  | 6.8 | 6.3  | 5.7  |
| MVS-OS-1                                       | 4.9  | 4.8  | 7.0 | 6.0  | 5.6  |
| * EPIC   | 4.6  | 4.6  | 6.7 | 5.8  | 5.4  |
| PST-48Y7                                       | 4.6  | 4.6  | 6.6 | 5.7  | 5.4  |
| * CASCADE                                      | 4.5  | 4.4  | 6.5 | 5.6  | 5.3  |
| BIGHORN GT (PST-4BU3)                          | 4.5  | 4.3  | 6.1 | 5.6  | 5.1  |
| * ABERDEEN                                     | 4.3  | 4.2  | 6.2 | 5.4  | 5.0  |
| PST-4CSD                                       | 4.1  | 4.1  | 6.2 | 5.1  | 4.9  |
| * BOREAL                                       | 3.0  | 3.0  | 5.2 | 4.1  | 3.9  |
| LSD VALUE                                      | 1.0  | 1.0  | 1.0 | 1.0  | 1.0  |
| C.V. (%)                                       | 12.5 | 12.9 | 9.2 | 10.0 | 11.0 |

\* COMMERCIALY AVAILABLE IN THE USA IN 2010.

\*\*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO [WWW.NTEP.OR/AMMI\\_Q&A.PDF](http://WWW.NTEP.OR/AMMI_Q&A.PDF)

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

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

TABLE 1B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
GROWN AT FOUR LOCATIONS IN THE U.S. FOR AMMI GROUP 1 \*/  
2009 DATA

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

| NAME           | NJ1  | MD1  | NY1 | MN1 | MEAN |
|----------------|------|------|-----|-----|------|
| FAIRMONT (TCD) | 5.5  | 5.3  | 7.2 | 7.0 | 6.2  |
| MVS-FRC-101    | 5.5  | 5.2  | 7.0 | 7.0 | 6.1  |
| IS-FRC-33      | 5.4  | 5.2  | 7.0 | 6.9 | 6.1  |
| INTRIGUE 2     | 5.2  | 5.0  | 7.0 | 6.5 | 5.9  |
| PSG 50C3       | 5.2  | 5.0  | 7.0 | 6.5 | 5.9  |
| TREAZURE II    | 5.2  | 4.9  | 6.8 | 6.5 | 5.9  |
| LACROSSE       | 5.1  | 5.0  | 6.8 | 6.4 | 5.8  |
| ZODIAC         | 5.0  | 4.8  | 6.8 | 6.4 | 5.7  |
| IS-FRC-35      | 4.9  | 4.8  | 6.8 | 6.3 | 5.7  |
| CASCADE        | 4.5  | 4.4  | 6.5 | 5.6 | 5.3  |
| PST-4CSD       | 4.1  | 4.1  | 6.2 | 5.1 | 4.9  |
| LSD VALUE      | 1.0  | 1.0  | 1.0 | 1.0 | 1.0  |
| C.V. (%)       | 12.3 | 12.7 | 9.1 | 9.7 | 10.7 |

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

TABLE 1C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
GROWN AT FOUR LOCATIONS IN THE U.S. FOR AMMI GROUP 1 \*/  
2009 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |      |      |     |      |      |
|--|------|------|-----|------|------|
| NAME   | NJ1  | MD1  | NY1 | MN1  | MEAN |
| PSG-5RM  | 5.2  | 5.1  | 7.1 | 6.3  | 5.9  |
| IS-FRR-62                                      | 5.2  | 5.0  | 7.0 | 6.5  | 5.9  |
| IS-FRR-51                                      | 5.1  | 5.0  | 7.1 | 6.3  | 5.9  |
| MVS-0S-1                                       | 4.9  | 4.8  | 7.0 | 6.0  | 5.6  |
| EPIC   | 4.6  | 4.6  | 6.7 | 5.8  | 5.4  |
| PST-48Y7                                       | 4.6  | 4.6  | 6.6 | 5.7  | 5.4  |
| ABERDEEN                                       | 4.3  | 4.2  | 6.2 | 5.4  | 5.0  |
| BOREAL   | 3.0  | 3.0  | 5.2 | 4.1  | 3.9  |
| LSD VALUE                                      | 1.0  | 1.0  | 1.0 | 1.0  | 1.0  |
| C.V. (%)                                       | 13.4 | 13.6 | 9.4 | 10.8 | 11.5 |

TABLE 1D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/  
GROWN AT FOUR LOCATIONS IN THE U.S. FOR AMMI GROUP 1 \*/  
2009 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |      |      |     |     |      |
|--|------|------|-----|-----|------|
| NAME   | NJ1  | MD1  | NY1 | MN1 | MEAN |
| Z6300  | 5.5  | 5.2  | 6.8 | 6.7 | 6.1  |
| SPARTAN II                                     | 5.4  | 5.1  | 6.8 | 6.6 | 6.0  |
| GOTHAM   | 5.4  | 5.2  | 6.8 | 6.4 | 5.9  |
| PST-4HES                                       | 5.3  | 5.0  | 6.7 | 6.4 | 5.8  |
| NC-HF1   | 5.1  | 4.9  | 6.6 | 6.2 | 5.7  |
| BIGHORN GT (PST-4BU3)                          | 4.5  | 4.3  | 6.1 | 5.6 | 5.1  |
| LSD VALUE                                      | 1.0  | 1.0  | 1.0 | 1.0 | 1.0  |
| C.V. (%)                                       | 11.9 | 12.5 | 9.3 | 9.8 | 10.7 |

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

TABLE 2A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 \*/  
2009 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |     |     |      |      |
|--|-----|-----|------|------|
| NAME   | RI1 | VA1 | WI1  | MEAN |
| IS-FRC-33                                      | 8.1 | 7.5 | 7.3  | 7.6  |
| MVS-FRC-101                                    | 8.1 | 7.4 | 7.1  | 7.5  |
| FAIRMONT (TCD)                                 | 7.8 | 7.4 | 6.8  | 7.3  |
| ZODIAC   | 7.2 | 7.3 | 7.1  | 7.2  |
| INTRIGUE 2                                     | 7.2 | 7.4 | 6.9  | 7.2  |
| TREAZURE II                                    | 7.3 | 7.1 | 6.6  | 7.0  |
| IS-FRC-35                                      | 7.0 | 7.2 | 6.8  | 7.0  |
| IS-FRR-62                                      | 7.0 | 7.1 | 6.3  | 6.8  |
| PSG 50C3                                       | 6.9 | 7.1 | 6.2  | 6.7  |
| PSG-5RM  | 6.3 | 7.2 | 6.0  | 6.5  |
| IS-FRR-51                                      | 6.3 | 7.1 | 5.9  | 6.4  |
| MVS-OS-1                                       | 5.9 | 7.1 | 6.1  | 6.4  |
| LACROSSE                                       | 6.7 | 6.8 | 5.6  | 6.4  |
| CASCADE  | 5.7 | 6.7 | 5.7  | 6.0  |
| EPIC   | 5.7 | 6.8 | 5.6  | 6.0  |
| PST-48Y7                                       | 5.5 | 6.5 | 5.1  | 5.7  |
| ABERDEEN                                       | 5.2 | 6.2 | 4.8  | 5.4  |
| SPARTAN II                                     | 6.3 | 6.1 | 3.6  | 5.3  |
| PST-4CSD                                       | 4.8 | 6.1 | 4.6  | 5.1  |
| Z6300  | 6.2 | 6.0 | 3.1  | 5.1  |
| PST-4HES                                       | 5.6 | 5.9 | 3.0  | 4.8  |
| BOREAL   | 4.0 | 5.4 | 4.4  | 4.6  |
| NC-HF1   | 5.3 | 5.7 | 2.6  | 4.5  |
| GOTHAM   | 5.1 | 5.7 | 2.2  | 4.3  |
| BIGHORN GT (PST-4BU3)                          | 4.8 | 5.4 | 2.5  | 4.2  |
| LSD VALUE                                      | 1.0 | 1.0 | 1.0  | 1.0  |
| C.V. (%)                                       | 9.9 | 9.3 | 11.8 | 10.2 |

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



TABLE 2B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 \*/  
2009 DATA

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

| NAME           | RI1 | VA1 | WI1 | MEAN |
|----------------|-----|-----|-----|------|
| IS-FRC-33      | 8.1 | 7.5 | 7.3 | 7.6  |
| MVS-FRC-101    | 8.1 | 7.4 | 7.1 | 7.5  |
| FAIRMONT (TCD) | 7.8 | 7.4 | 6.8 | 7.3  |
| ZODIAC         | 7.2 | 7.3 | 7.1 | 7.2  |
| INTRIGUE 2     | 7.2 | 7.4 | 6.9 | 7.2  |
| TREAZURE II    | 7.3 | 7.1 | 6.6 | 7.0  |
| IS-FRC-35      | 7.0 | 7.2 | 6.8 | 7.0  |
| PSG 50C3       | 6.9 | 7.1 | 6.2 | 6.7  |
| LACROSSE       | 6.7 | 6.8 | 5.6 | 6.4  |
| CASCADE        | 5.7 | 6.7 | 5.7 | 6.0  |
| PST-4CSD       | 4.8 | 6.1 | 4.6 | 5.1  |
| LSD VALUE      | 1.0 | 1.0 | 1.0 | 1.0  |
| C.V. (%)       | 8.9 | 8.7 | 9.6 | 9.1  |

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

TABLE 2C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 \*/  
2009 DATA

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

| NAME      | RI1  | VA1 | WI1  | MEAN |
|-----------|------|-----|------|------|
| IS-FRR-62 | 7.0  | 7.1 | 6.3  | 6.8  |
| PSG-5RM   | 6.3  | 7.2 | 6.0  | 6.5  |
| IS-FRR-51 | 6.3  | 7.1 | 5.9  | 6.4  |
| MVS-OS-1  | 5.9  | 7.1 | 6.1  | 6.4  |
| EPIC      | 5.7  | 6.8 | 5.6  | 6.0  |
| PST-48Y7  | 5.5  | 6.5 | 5.1  | 5.7  |
| ABERDEEN  | 5.2  | 6.2 | 4.8  | 5.4  |
| BOREAL    | 4.0  | 5.4 | 4.4  | 4.6  |
| LSD VALUE | 1.0  | 1.0 | 1.0  | 1.0  |
| C.V. (%)  | 10.8 | 9.3 | 11.2 | 10.4 |

TABLE 2D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/  
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 \*/  
2009 DATA

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

| NAME                  | RI1  | VA1  | WI1  | MEAN |
|-----------------------|------|------|------|------|
| SPARTAN II            | 6.3  | 6.1  | 3.6  | 5.3  |
| Z6300                 | 6.2  | 6.0  | 3.1  | 5.1  |
| PST-4HES              | 5.6  | 5.9  | 3.0  | 4.8  |
| NC-HF1                | 5.3  | 5.7  | 2.6  | 4.5  |
| GOTHAM                | 5.1  | 5.7  | 2.2  | 4.3  |
| BIGHORN GT (PST-4BU3) | 4.8  | 5.4  | 2.5  | 4.2  |
| LSD VALUE             | 1.0  | 1.0  | 1.0  | 1.0  |
| C.V. (%)              | 11.2 | 10.7 | 22.0 | 13.1 |

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

TABLE 3A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 \*/  
2009 DATA

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

| NAME                  | PA1  | UT1  | WA3  | MEAN |
|-----------------------|------|------|------|------|
| GOTHAM                | 7.0  | 6.6  | 6.4  | 6.8  |
| Z6300                 | 6.6  | 6.4  | 6.3  | 6.5  |
| PST-4HES              | 6.6  | 6.3  | 6.1  | 6.4  |
| NC-HF1                | 6.5  | 6.3  | 6.0  | 6.4  |
| SPARTAN II            | 6.5  | 6.3  | 6.2  | 6.4  |
| PSG-5RM               | 6.2  | 6.4  | 6.1  | 6.3  |
| IS-FRR-51             | 6.1  | 6.3  | 6.0  | 6.2  |
| FAIRMONT (TCD)        | 5.9  | 6.2  | 6.2  | 6.1  |
| MVS-OS-1              | 5.9  | 6.1  | 5.9  | 6.0  |
| LACROSSE              | 5.9  | 6.1  | 6.0  | 6.0  |
| PSG 50C3              | 5.8  | 6.1  | 6.0  | 6.0  |
| IS-FRR-62             | 5.8  | 6.1  | 6.0  | 5.9  |
| INTRIGUE 2            | 5.7  | 6.0  | 6.0  | 5.9  |
| PST-48Y7              | 5.7  | 5.9  | 5.6  | 5.8  |
| BIGHORN GT (PST-4BU3) | 5.9  | 5.7  | 5.5  | 5.8  |
| MVS-FRC-101           | 5.6  | 6.0  | 6.1  | 5.8  |
| EPIC                  | 5.7  | 5.9  | 5.6  | 5.8  |
| IS-FRC-33             | 5.6  | 6.0  | 6.1  | 5.8  |
| TREAZURE II           | 5.5  | 5.9  | 5.9  | 5.7  |
| IS-FRC-35             | 5.4  | 5.8  | 5.7  | 5.6  |
| ZODIAC                | 5.3  | 5.7  | 5.7  | 5.5  |
| CASCADE               | 5.4  | 5.7  | 5.4  | 5.5  |
| PST-4CSD              | 5.4  | 5.5  | 5.2  | 5.4  |
| ABERDEEN              | 5.3  | 5.5  | 5.2  | 5.4  |
| BOREAL                | 4.1  | 4.4  | 4.1  | 4.3  |
| LSD VALUE             | 1.0  | 1.0  | 1.0  | 1.0  |
| C.V. (%)              | 10.6 | 10.4 | 10.7 | 10.5 |

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TABLE 3B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 \*/  
2009 DATA

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

| NAME           | PA1  | UT1  | WA3  | MEAN |
|----------------|------|------|------|------|
| FAIRMONT (TCD) | 5.9  | 6.2  | 6.2  | 6.1  |
| LACROSSE       | 5.9  | 6.1  | 6.0  | 6.0  |
| PSG 50C3       | 5.8  | 6.1  | 6.0  | 6.0  |
| INTRIGUE 2     | 5.7  | 6.0  | 6.0  | 5.9  |
| MVS-FRC-101    | 5.6  | 6.0  | 6.1  | 5.8  |
| IS-FRC-33      | 5.6  | 6.0  | 6.1  | 5.8  |
| TREAZURE II    | 5.5  | 5.9  | 5.9  | 5.7  |
| IS-FRC-35      | 5.4  | 5.8  | 5.7  | 5.6  |
| ZODIAC         | 5.3  | 5.7  | 5.7  | 5.5  |
| CASCADE        | 5.4  | 5.7  | 5.4  | 5.5  |
| PST-4CSD       | 5.4  | 5.5  | 5.2  | 5.4  |
| LSD VALUE      | 1.0  | 1.0  | 1.0  | 1.0  |
| C.V. (%)       | 11.1 | 10.5 | 10.6 | 10.8 |

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

TABLE 3C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 \*/  
2009 DATA

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

| NAME      | PA1  | UT1  | WA3  | MEAN |
|-----------|------|------|------|------|
| PSG-5RM   | 6.2  | 6.4  | 6.1  | 6.3  |
| IS-FRR-51 | 6.1  | 6.3  | 6.0  | 6.2  |
| MVS-OS-1  | 5.9  | 6.1  | 5.9  | 6.0  |
| IS-FRR-62 | 5.8  | 6.1  | 6.0  | 5.9  |
| PST-48Y7  | 5.7  | 5.9  | 5.6  | 5.8  |
| EPIC      | 5.7  | 5.9  | 5.6  | 5.8  |
| ABERDEEN  | 5.3  | 5.5  | 5.2  | 5.4  |
| BOREAL    | 4.1  | 4.4  | 4.1  | 4.3  |
| LSD VALUE | 1.0  | 1.0  | 1.0  | 1.0  |
| C.V. (%)  | 11.1 | 10.7 | 11.1 | 10.9 |

TABLE 3D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/  
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 \*/  
2009 DATA

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

| NAME                  | PA1 | UT1 | WA3  | MEAN |
|-----------------------|-----|-----|------|------|
| GOTHAM                | 7.0 | 6.6 | 6.4  | 6.8  |
| Z6300                 | 6.6 | 6.4 | 6.3  | 6.5  |
| PST-4HES              | 6.6 | 6.3 | 6.1  | 6.4  |
| NC-HF1                | 6.5 | 6.3 | 6.0  | 6.4  |
| SPARTAN II            | 6.5 | 6.3 | 6.2  | 6.4  |
| BIGHORN GT (PST-4BU3) | 5.9 | 5.7 | 5.5  | 5.8  |
| LSD VALUE             | 1.0 | 1.0 | 1.0  | 1.0  |
| C.V. (%)              | 9.5 | 9.9 | 10.2 | 9.7  |

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

TABLE 4A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
GROWN AT TWO LOCATIONS IN THE U.S. FOR AMMI GROUP 4 \*/  
2009 DATA

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

| NAME                  | NE1  | CA1 | MEAN |
|-----------------------|------|-----|------|
| PSG-5RM               | 6.6  | 8.5 | 7.5  |
| IS-FRR-51             | 6.5  | 8.4 | 7.4  |
| MVS-OS-1              | 6.4  | 8.4 | 7.4  |
| GOTHAM                | 6.3  | 8.4 | 7.4  |
| EPIC                  | 6.1  | 8.1 | 7.1  |
| PSG 50C3              | 6.2  | 8.0 | 7.1  |
| FAIRMONT (TCD)        | 6.3  | 7.9 | 7.1  |
| INTRIGUE 2            | 6.2  | 7.9 | 7.1  |
| PST-48Y7              | 6.1  | 8.1 | 7.1  |
| PST-4HES              | 6.1  | 8.0 | 7.1  |
| IS-FRR-62             | 6.2  | 7.9 | 7.0  |
| NC-HF1                | 6.0  | 8.0 | 7.0  |
| LACROSSE              | 6.1  | 7.9 | 7.0  |
| SPARTAN II            | 6.1  | 7.9 | 7.0  |
| Z6300                 | 6.1  | 7.8 | 6.9  |
| CASCADE               | 5.9  | 7.9 | 6.9  |
| IS-FRC-35             | 6.0  | 7.7 | 6.9  |
| IS-FRC-33             | 6.1  | 7.6 | 6.8  |
| ZODIAC                | 6.0  | 7.6 | 6.8  |
| TREAZURE II           | 6.0  | 7.6 | 6.8  |
| MVS-FRC-101           | 6.1  | 7.5 | 6.8  |
| PST-4CSD              | 5.7  | 7.8 | 6.8  |
| ABERDEEN              | 5.7  | 7.7 | 6.7  |
| BIGHORN GT (PST-4BU3) | 5.6  | 7.6 | 6.6  |
| BOREAL                | 4.8  | 6.8 | 5.8  |
| LSD VALUE             | 1.0  | 1.0 | 1.0  |
| C.V. (%)              | 10.2 | 7.9 | 8.9  |

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

TABLE 4B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
GROWN AT TWO LOCATIONS IN THE U.S. FOR AMMI GROUP 4 \*/  
2009 DATA

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

| NAME           | NE1  | CA1 | MEAN |
|----------------|------|-----|------|
| PSG 50C3       | 6.2  | 8.0 | 7.1  |
| FAIRMONT (TCD) | 6.3  | 7.9 | 7.1  |
| INTRIGUE 2     | 6.2  | 7.9 | 7.1  |
| LACROSSE       | 6.1  | 7.9 | 7.0  |
| CASCADE        | 5.9  | 7.9 | 6.9  |
| IS-FRC-35      | 6.0  | 7.7 | 6.9  |
| IS-FRC-33      | 6.1  | 7.6 | 6.8  |
| ZODIAC         | 6.0  | 7.6 | 6.8  |
| TREAZURE II    | 6.0  | 7.6 | 6.8  |
| MVS-FRC-101    | 6.1  | 7.5 | 6.8  |
| PST-4CSD       | 5.7  | 7.8 | 6.8  |
| LSD VALUE      | 1.0  | 1.0 | 1.0  |
| C.V. (%)       | 10.2 | 8.0 | 9.0  |

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

TABLE 4C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
GROWN AT TWO LOCATIONS IN THE U.S. FOR AMMI GROUP 4 \*/  
2009 DATA

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

| NAME      | NE1  | CA1 | MEAN |
|-----------|------|-----|------|
| PSG-5RM   | 6.6  | 8.5 | 7.5  |
| IS-FRR-51 | 6.5  | 8.4 | 7.4  |
| MVS-OS-1  | 6.4  | 8.4 | 7.4  |
| EPIC      | 6.1  | 8.1 | 7.1  |
| PST-48Y7  | 6.1  | 8.1 | 7.1  |
| IS-FRR-62 | 6.2  | 7.9 | 7.0  |
| ABERDEEN  | 5.7  | 7.7 | 6.7  |
| BOREAL    | 4.8  | 6.8 | 5.8  |
| LSD VALUE | 1.0  | 1.0 | 1.0  |
| C.V. (%)  | 10.3 | 7.8 | 8.8  |

TABLE 4D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/  
GROWN AT TWO LOCATIONS IN THE U.S. FOR AMMI GROUP 4 \*/  
2009 DATA

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

| NAME                  | NE1  | CA1 | MEAN |
|-----------------------|------|-----|------|
| GOTHAM                | 6.3  | 8.4 | 7.4  |
| PST-4HES              | 6.1  | 8.0 | 7.1  |
| NC-HF1                | 6.0  | 8.0 | 7.0  |
| SPARTAN II            | 6.1  | 7.9 | 7.0  |
| Z6300                 | 6.1  | 7.8 | 6.9  |
| BIGHORN GT (PST-4BU3) | 5.6  | 7.6 | 6.6  |
| LSD VALUE             | 1.0  | 1.0 | 1.0  |
| C.V. (%)              | 10.3 | 7.8 | 8.9  |

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



TABLE 5A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
GROWN AT ONE LOCATION IN THE U.S. FOR AMMI GROUP 5 \*/  
2009 DATA

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

| NAME                  | IL1  |
|-----------------------|------|
| MVS-OS-1              | 6.0  |
| PSG-5RM               | 5.9  |
| INTRIGUE 2            | 5.8  |
| ZODIAC                | 5.8  |
| IS-FRR-51             | 5.8  |
| IS-FRC-35             | 5.7  |
| EPIC                  | 5.6  |
| IS-FRC-33             | 5.6  |
| CASCADE               | 5.5  |
| FAIRMONT (TCD)        | 5.5  |
| IS-FRR-62             | 5.4  |
| PSG 50C3              | 5.4  |
| MVS-FRC-101           | 5.4  |
| TREAZURE II           | 5.4  |
| PST-48Y7              | 5.2  |
| LACROSSE              | 5.0  |
| PST-4CSD              | 5.0  |
| ABERDEEN              | 4.9  |
| BOREAL                | 4.6  |
| SPARTAN II            | 3.6  |
| PST-4HES              | 3.5  |
| NC-HF1                | 3.3  |
| GOTHAM                | 3.3  |
| BIGHORN GT (PST-4BU3) | 3.3  |
| Z6300                 | 3.2  |
| LSD VALUE             | 1.0  |
| C.V. (%)              | 12.5 |

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TABLE 5B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
GROWN AT ONE LOCATION IN THE U.S. FOR AMMI GROUP 5 \*/  
2009 DATA

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

| NAME           | IL1  |
|----------------|------|
| INTRIGUE 2     | 5.8  |
| ZODIAC         | 5.8  |
| IS-FRC-35      | 5.7  |
| IS-FRC-33      | 5.6  |
| CASCADE        | 5.5  |
| FAIRMONT (TCD) | 5.5  |
| PSG 50C3       | 5.4  |
| MVS-FRC-101    | 5.4  |
| TREAZURE II    | 5.4  |
| LACROSSE       | 5.0  |
| PST-4CSD       | 5.0  |
| LSD VALUE      | 1.0  |
| C.V. (%)       | 11.3 |

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TABLE 5C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
GROWN AT ONE LOCATION IN THE U.S. FOR AMMI GROUP 5 \*/  
2009 DATA

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

| NAME      | IL1  |
|-----------|------|
| MVS-0S-1  | 6.0  |
| PSG-5RM   | 5.9  |
| IS-FRR-51 | 5.8  |
| EPIC      | 5.6  |
| IS-FRR-62 | 5.4  |
| PST-48Y7  | 5.2  |
| ABERDEEN  | 4.9  |
| BOREAL    | 4.6  |
| LSD VALUE | 1.0  |
| C.V. (%)  | 11.4 |

TABLE 5D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/  
GROWN AT ONE LOCATION IN THE U.S. FOR AMMI GROUP 5 \*/  
2009 DATA

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

| NAME                  | IL1  |
|-----------------------|------|
| SPARTAN II            | 3.6  |
| PST-4HES              | 3.5  |
| NC-HF1                | 3.3  |
| GOTHAM                | 3.3  |
| BIGHORN GT (PST-4BU3) | 3.3  |
| Z6300                 | 3.2  |
| LSD VALUE             | 1.0  |
| C.V. (%)              | 18.4 |

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

TABLE 6A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS  
GROWN UNDER SHADE AT CARBONDALE, IL 1/  
2009 DATA

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

| NAME                  | GENETIC<br>COLOR | SEEDLING<br>VIGOR | PERCENT<br>COVER<br>FALL | QUALITY RATINGS |      |     |      |      |      |      |      |      | MEAN |
|-----------------------|------------------|-------------------|--------------------------|-----------------|------|-----|------|------|------|------|------|------|------|
|                       |                  |                   |                          | MAR             | APR  | MAY | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  |      |
| PSG 50C3              | 4.0              | 8.0               | 83.7                     | 6.3             | 7.0  | 8.3 | 8.7  | 7.3  | 8.0  | 8.7  | 8.0  | 8.0  | 7.8  |
| Z6300                 | 4.0              | 7.0               | 82.7                     | 5.3             | 6.7  | 8.0 | 8.7  | 9.0  | 8.3  | 8.3  | 7.3  | 7.7  | 7.7  |
| INTRIGUE 2            | 6.0              | 7.0               | 77.3                     | 5.7             | 6.7  | 8.3 | 8.7  | 7.3  | 7.0  | 7.7  | 7.0  | 8.0  | 7.4  |
| BIGHORN GT (PST-4BU3) | 3.3              | 8.3               | 77.3                     | 6.0             | 7.0  | 8.3 | 8.7  | 8.3  | 7.7  | 7.0  | 5.7  | 7.0  | 7.3  |
| GOTHAM                | 6.0              | 7.3               | 86.0                     | 5.7             | 6.0  | 6.7 | 6.7  | 7.0  | 7.3  | 8.3  | 8.7  | 8.0  | 7.1  |
| IS-FRC-35             | 4.3              | 6.0               | 86.0                     | 5.7             | 6.3  | 8.0 | 8.7  | 7.3  | 6.3  | 6.3  | 7.0  | 8.7  | 7.1  |
| SPARTAN II            | 4.3              | 7.0               | 86.3                     | 6.0             | 6.7  | 7.7 | 7.3  | 7.7  | 7.0  | 7.3  | 7.0  | 7.0  | 7.1  |
| FAIRMONT (TCD)        | 6.0              | 5.3               | 77.3                     | 5.3             | 6.0  | 8.0 | 7.3  | 7.0  | 7.0  | 7.0  | 8.0  | 7.0  | 7.0  |
| MVS-FRC-101           | 6.3              | 8.0               | 81.0                     | 6.0             | 7.7  | 8.7 | 7.0  | 7.0  | 6.7  | 7.0  | 6.3  | 7.0  | 7.0  |
| ZODIAC                | 5.3              | 8.0               | 87.7                     | 6.0             | 6.7  | 8.3 | 8.3  | 7.0  | 6.0  | 6.0  | 6.7  | 8.0  | 7.0  |
| IS-FRC-33             | 4.0              | 5.0               | 85.7                     | 5.0             | 6.0  | 7.7 | 8.0  | 7.3  | 6.7  | 6.7  | 7.7  | 7.0  | 6.9  |
| TREAZURE II           | 4.7              | 6.7               | 83.0                     | 5.7             | 6.0  | 7.7 | 8.0  | 6.0  | 6.0  | 6.7  | 6.0  | 8.0  | 6.7  |
| LACROSSE              | 3.7              | 5.7               | 63.7                     | 5.0             | 6.0  | 8.7 | 8.3  | 7.7  | 6.0  | 5.3  | 6.0  | 6.0  | 6.6  |
| CASCADE               | 7.0              | 6.0               | 73.0                     | 4.7             | 6.0  | 7.7 | 8.3  | 7.3  | 6.0  | 5.0  | 6.3  | 6.3  | 6.4  |
| MVS-OS-1              | 4.0              | 6.7               | 79.7                     | 5.7             | 5.7  | 7.3 | 8.0  | 7.0  | 6.7  | 6.0  | 5.3  | 6.3  | 6.4  |
| PSG-5RM               | 3.0              | 7.0               | 71.7                     | 5.3             | 6.0  | 8.0 | 7.0  | 6.3  | 6.0  | 6.0  | 6.3  | 6.3  | 6.4  |
| NC-HF1                | 4.7              | 5.3               | 81.7                     | 5.0             | 5.3  | 6.0 | 7.0  | 6.0  | 5.7  | 6.0  | 7.0  | 5.7  | 6.0  |
| PST-4CSD              | 4.0              | 7.0               | 65.7                     | 6.0             | 5.3  | 7.0 | 7.3  | 6.0  | 5.0  | 5.0  | 6.7  | 6.0  | 6.0  |
| PST-4HES              | 4.7              | 5.7               | 74.3                     | 5.3             | 5.7  | 7.0 | 6.0  | 5.0  | 5.0  | 6.0  | 7.3  | 7.0  | 6.0  |
| ABERDEEN              | 3.0              | 8.0               | 71.3                     | 5.3             | 5.7  | 7.7 | 7.7  | 5.7  | 5.0  | 5.0  | 5.7  | 5.3  | 5.9  |
| IS-FRR-51             | 4.0              | 6.0               | 70.0                     | 5.0             | 5.7  | 7.0 | 7.0  | 6.0  | 5.0  | 4.3  | 6.0  | 5.3  | 5.7  |
| PST-48Y7              | 2.7              | 6.7               | 60.0                     | 5.0             | 5.7  | 7.3 | 7.0  | 6.0  | 6.0  | 5.3  | 4.7  | 4.7  | 5.7  |
| EPIC                  | 4.7              | 7.7               | 63.7                     | 6.7             | 5.7  | 7.0 | 7.0  | 5.0  | 5.0  | 5.0  | 4.0  | 5.0  | 5.6  |
| IS-FRR-62             | 3.3              | 6.7               | 74.7                     | 6.0             | 5.7  | 7.3 | 7.0  | 5.3  | 4.7  | 4.0  | 5.7  | 5.0  | 5.6  |
| BOREAL                | 4.0              | 7.0               | 55.0                     | 5.0             | 5.3  | 6.3 | 7.3  | 5.0  | 4.0  | 4.0  | 4.7  | 4.7  | 5.1  |
| LSD VALUE             | 2.2              | 1.7               | 9.4                      | 1.7             | 1.2  | 1.2 | 1.4  | 1.4  | 1.8  | 1.9  | 1.3  | 1.5  | 0.8  |
| C.V. (%)              | 26.2             | 13.9              | 7.8                      | 12.5            | 10.1 | 8.6 | 10.0 | 12.8 | 16.3 | 18.0 | 12.4 | 14.1 | 7.3  |

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 6B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS  
GROWN UNDER SHADE AT CARBONDALE, IL 1/  
2009 DATA

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

| NAME           | GENETIC<br>COLOR | SEEDLING<br>VIGOR | PERCENT<br>COVER<br>FALL | QUALITY RATINGS |     |     |     |      |      |      |      |      | MEAN |
|----------------|------------------|-------------------|--------------------------|-----------------|-----|-----|-----|------|------|------|------|------|------|
|                |                  |                   |                          | MAR             | APR | MAY | JUN | JUL  | AUG  | SEP  | OCT  | NOV  |      |
| PSG 50C3       | 4.0              | 8.0               | 83.7                     | 6.3             | 7.0 | 8.3 | 8.7 | 7.3  | 8.0  | 8.7  | 8.0  | 8.0  | 7.8  |
| INTRIGUE 2     | 6.0              | 7.0               | 77.3                     | 5.7             | 6.7 | 8.3 | 8.7 | 7.3  | 7.0  | 7.7  | 7.0  | 8.0  | 7.4  |
| IS-FRC-35      | 4.3              | 6.0               | 86.0                     | 5.7             | 6.3 | 8.0 | 8.7 | 7.3  | 6.3  | 6.3  | 7.0  | 8.7  | 7.1  |
| FAIRMONT (TCD) | 6.0              | 5.3               | 77.3                     | 5.3             | 6.0 | 8.0 | 7.3 | 7.0  | 7.0  | 7.0  | 8.0  | 7.0  | 7.0  |
| MVS-FRC-101    | 6.3              | 8.0               | 81.0                     | 6.0             | 7.7 | 8.7 | 7.0 | 7.0  | 6.7  | 7.0  | 6.3  | 7.0  | 7.0  |
| ZODIAC         | 5.3              | 8.0               | 87.7                     | 6.0             | 6.7 | 8.3 | 8.3 | 7.0  | 6.0  | 6.0  | 6.7  | 8.0  | 7.0  |
| IS-FRC-33      | 4.0              | 5.0               | 85.7                     | 5.0             | 6.0 | 7.7 | 8.0 | 7.3  | 6.7  | 6.7  | 7.7  | 7.0  | 6.9  |
| TREAZURE II    | 4.7              | 6.7               | 83.0                     | 5.7             | 6.0 | 7.7 | 8.0 | 6.0  | 6.0  | 6.7  | 6.0  | 8.0  | 6.7  |
| LACROSSE       | 3.7              | 5.7               | 63.7                     | 5.0             | 6.0 | 8.7 | 8.3 | 7.7  | 6.0  | 5.3  | 6.0  | 6.0  | 6.6  |
| CASCADE        | 7.0              | 6.0               | 73.0                     | 4.7             | 6.0 | 7.7 | 8.3 | 7.3  | 6.0  | 5.0  | 6.3  | 6.3  | 6.4  |
| PST-4CSD       | 4.0              | 7.0               | 65.7                     | 6.0             | 5.3 | 7.0 | 7.3 | 6.0  | 5.0  | 5.0  | 6.7  | 6.0  | 6.0  |
| LSD VALUE      | 2.5              | 1.5               | 9.2                      | 1.6             | 1.0 | 1.5 | 1.7 | 2.3  | 2.9  | 2.7  | 2.0  | 1.9  | 1.1  |
| C.V. (%)       | 24.5             | 12.8              | 7.0                      | 12.5            | 8.9 | 8.4 | 9.5 | 12.8 | 18.2 | 19.8 | 13.2 | 13.3 | 7.7  |

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

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

TABLE 6C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN UNDER SHADE AT CARBONDALE, IL 1/ 2009 DATA

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

| NAME      | GENETIC COLOR | SEEDLING VIGOR | PERCENT COVER FALL | QUALITY RATINGS |      |     |      |     |      |      |      |      | MEAN |
|-----------|---------------|----------------|--------------------|-----------------|------|-----|------|-----|------|------|------|------|------|
|           |               |                |                    | MAR             | APR  | MAY | JUN  | JUL | AUG  | SEP  | OCT  | NOV  |      |
| MVS-OS-1  | 4.0           | 6.7            | 79.7               | 5.7             | 5.7  | 7.3 | 8.0  | 7.0 | 6.7  | 6.0  | 5.3  | 6.3  | 6.4  |
| PSG-5RM   | 3.0           | 7.0            | 71.7               | 5.3             | 6.0  | 8.0 | 7.0  | 6.3 | 6.0  | 6.0  | 6.3  | 6.3  | 6.4  |
| ABERDEEN  | 3.0           | 8.0            | 71.3               | 5.3             | 5.7  | 7.7 | 7.7  | 5.7 | 5.0  | 5.0  | 5.7  | 5.3  | 5.9  |
| IS-FRR-51 | 4.0           | 6.0            | 70.0               | 5.0             | 5.7  | 7.0 | 7.0  | 6.0 | 5.0  | 4.3  | 6.0  | 5.3  | 5.7  |
| PST-48Y7  | 2.7           | 6.7            | 60.0               | 5.0             | 5.7  | 7.3 | 7.0  | 6.0 | 6.0  | 5.3  | 4.7  | 4.7  | 5.7  |
| EPIC      | 4.7           | 7.7            | 63.7               | 6.7             | 5.7  | 7.0 | 7.0  | 5.0 | 5.0  | 5.0  | 4.0  | 5.0  | 5.6  |
| IS-FRR-62 | 3.3           | 6.7            | 74.7               | 6.0             | 5.7  | 7.3 | 7.0  | 5.3 | 4.7  | 4.0  | 5.7  | 5.0  | 5.6  |
| BOREAL    | 4.0           | 7.0            | 55.0               | 5.0             | 5.3  | 6.3 | 7.3  | 5.0 | 4.0  | 4.0  | 4.7  | 4.7  | 5.1  |
| LSD VALUE | 2.9           | 2.6            | 11.4               | 1.8             | 1.7  | 1.6 | 2.7  | 1.0 | 1.2  | 1.6  | 1.1  | 1.6  | 0.6  |
| C.V. (%)  | 33.1          | 15.2           | 9.2                | 14.5            | 10.6 | 9.5 | 14.0 | 9.1 | 12.1 | 16.4 | 11.2 | 14.1 | 5.8  |

TABLE 6D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS GROWN UNDER SHADE AT CARBONDALE, IL 1/ 2009 DATA

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

| NAME                  | GENETIC COLOR | SEEDLING VIGOR | PERCENT COVER FALL | QUALITY RATINGS |      |     |     |      |      |      |     |      | MEAN |
|-----------------------|---------------|----------------|--------------------|-----------------|------|-----|-----|------|------|------|-----|------|------|
|                       |               |                |                    | MAR             | APR  | MAY | JUN | JUL  | AUG  | SEP  | OCT | NOV  |      |
| Z6300                 | 4.0           | 7.0            | 82.7               | 5.3             | 6.7  | 8.0 | 8.7 | 9.0  | 8.3  | 8.3  | 7.3 | 7.7  | 7.7  |
| BIGHORN GT (PST-4BU3) | 3.3           | 8.3            | 77.3               | 6.0             | 7.0  | 8.3 | 8.7 | 8.3  | 7.7  | 7.0  | 5.7 | 7.0  | 7.3  |
| GOTHAM                | 6.0           | 7.3            | 86.0               | 5.7             | 6.0  | 6.7 | 6.7 | 7.0  | 7.3  | 8.3  | 8.7 | 8.0  | 7.1  |
| SPARTAN II            | 4.3           | 7.0            | 86.3               | 6.0             | 6.7  | 7.7 | 7.3 | 7.7  | 7.0  | 7.3  | 7.0 | 7.0  | 7.1  |
| NC-HF1                | 4.7           | 5.3            | 81.7               | 5.0             | 5.3  | 6.0 | 7.0 | 6.0  | 5.7  | 6.0  | 7.0 | 5.7  | 6.0  |
| PST-4HES              | 4.7           | 5.7            | 74.3               | 5.3             | 5.7  | 7.0 | 6.0 | 5.0  | 5.0  | 6.0  | 7.3 | 7.0  | 6.0  |
| LSD VALUE             | 2.6           | 1.6            | 10.4               | 0.9             | 1.3  | 1.0 | 0.6 | 1.7  | 2.0  | 2.4  | 0.9 | 2.4  | 0.8  |
| C.V. (%)              | 26.0          | 12.5           | 6.1                | 7.8             | 10.0 | 7.4 | 4.7 | 13.2 | 14.9 | 15.9 | 6.7 | 15.2 | 6.6  |

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 7A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS  
GROWN UNDER SHADE AT BROOKINGS, SD 1/  
2009 DATA

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

| NAME                  | GENETIC<br>COLOR | PERCENT<br>COVER<br>SUMMER | PERCENT<br>ESTABLISH-<br>MENT | QUALITY RATINGS |      |      |      |      |      | MEAN |
|-----------------------|------------------|----------------------------|-------------------------------|-----------------|------|------|------|------|------|------|
|                       |                  |                            |                               | MAY             | JUN  | JUL  | AUG  | SEP  | OCT  |      |
| IS-FRR-62             | 6.7              | 86.7                       | 68.3                          | 6.0             | 7.0  | 6.7  | 6.0  | 6.7  | 6.7  | 6.5  |
| INTRIGUE 2            | 5.0              | 71.7                       | 63.3                          | 7.0             | 7.0  | 5.3  | 5.0  | 6.3  | 7.0  | 6.3  |
| LACROSSE              | 7.0              | 81.7                       | 66.7                          | 6.7             | 6.7  | 5.7  | 5.3  | 6.0  | 6.7  | 6.2  |
| ZODIAC                | 5.7              | 85.0                       | 76.7                          | 7.3             | 7.0  | 5.0  | 5.3  | 6.0  | 6.3  | 6.2  |
| PSG 50C3              | 5.3              | 73.3                       | 70.0                          | 5.3             | 6.7  | 6.3  | 5.7  | 5.3  | 6.3  | 5.9  |
| IS-FRR-51             | 6.7              | 73.3                       | 63.3                          | 5.7             | 5.7  | 5.7  | 5.7  | 6.0  | 6.3  | 5.8  |
| IS-FRC-33             | 5.0              | 81.7                       | 70.0                          | 6.3             | 6.0  | 5.0  | 5.0  | 6.0  | 6.0  | 5.7  |
| IS-FRC-35             | 4.7              | 71.7                       | 66.7                          | 6.0             | 6.3  | 5.0  | 4.7  | 6.0  | 6.0  | 5.7  |
| MVS-OS-1              | 6.0              | 75.0                       | 56.7                          | 5.7             | 5.7  | 5.3  | 5.3  | 6.0  | 6.0  | 5.7  |
| BIGHORN GT (PST-4BU3) | 4.0              | 73.3                       | 68.3                          | 6.0             | 5.7  | 5.0  | 5.3  | 5.7  | 5.7  | 5.6  |
| CASCADE               | 5.7              | 83.3                       | 70.0                          | 6.3             | 6.3  | 5.0  | 4.7  | 5.0  | 6.3  | 5.6  |
| MVS-FRC-101           | 6.0              | 61.7                       | 70.0                          | 6.0             | 6.0  | 5.0  | 5.3  | 5.7  | 5.7  | 5.6  |
| PST-48Y7              | 7.7              | 66.7                       | 55.0                          | 5.3             | 5.3  | 5.7  | 5.0  | 6.0  | 6.0  | 5.6  |
| SPARTAN II            | 5.0              | 78.3                       | 66.7                          | 6.0             | 5.7  | 5.0  | 5.0  | 5.7  | 6.0  | 5.6  |
| Z6300                 | 4.7              | 71.7                       | 70.0                          | 6.0             | 6.0  | 5.0  | 4.7  | 5.7  | 5.7  | 5.5  |
| EPIC                  | 6.0              | 66.7                       | 73.3                          | 6.0             | 5.7  | 5.0  | 4.7  | 5.7  | 5.7  | 5.4  |
| FAIRMONT (TCD)        | 5.7              | 73.3                       | 70.0                          | 5.7             | 6.0  | 5.0  | 4.7  | 5.3  | 5.7  | 5.4  |
| ABERDEEN              | 5.7              | 60.0                       | 56.7                          | 5.7             | 5.3  | 5.0  | 4.7  | 5.3  | 6.0  | 5.3  |
| PST-4CSD              | 5.7              | 58.3                       | 66.7                          | 5.3             | 6.0  | 4.7  | 4.7  | 5.7  | 5.7  | 5.3  |
| PST-4HES              | 4.3              | 76.7                       | 63.3                          | 5.0             | 5.7  | 5.3  | 5.0  | 5.3  | 5.7  | 5.3  |
| PSG-5RM               | 6.3              | 70.0                       | 73.3                          | 5.0             | 5.3  | 5.0  | 5.0  | 5.3  | 5.3  | 5.2  |
| TREAZURE II           | 5.0              | 73.3                       | 71.7                          | 4.0             | 5.0  | 5.3  | 4.3  | 5.0  | 5.0  | 4.8  |
| BOREAL                | 4.3              | 78.3                       | 53.3                          | 4.7             | 4.3  | 5.0  | 4.3  | 4.7  | 5.0  | 4.7  |
| GOTHAM                | 4.3              | 68.3                       | 53.3                          | 4.7             | 4.7  | 4.7  | 4.0  | 5.0  | 5.3  | 4.7  |
| NC-HF1                | 4.7              | 73.3                       | 53.3                          | 5.0             | 4.7  | 4.7  | 4.0  | 5.0  | 5.0  | 4.7  |
| LSD VALUE             | 1.3              | 27.6                       | 13.6                          | 3.1             | 1.5  | 1.5  | 1.5  | 1.6  | 1.7  | 1.1  |
| C.V. (%)              | 14.1             | 14.5                       | 11.0                          | 20.0            | 13.1 | 12.2 | 13.3 | 11.8 | 12.0 | 10.0 |

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 7B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS  
GROWN UNDER SHADE AT BROOKINGS, SD 1/  
2009 DATA

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

| NAME           | GENETIC<br>COLOR | PERCENT<br>COVER<br>SUMMER | PERCENT<br>ESTABLISH-<br>MENT | QUALITY RATINGS |      |      |      |      |      |      |
|----------------|------------------|----------------------------|-------------------------------|-----------------|------|------|------|------|------|------|
|                |                  |                            |                               | MAY             | JUN  | JUL  | AUG  | SEP  | OCT  | MEAN |
| INTRIGUE 2     | 5.0              | 71.7                       | 63.3                          | 7.0             | 7.0  | 5.3  | 5.0  | 6.3  | 7.0  | 6.3  |
| LACROSSE       | 7.0              | 81.7                       | 66.7                          | 6.7             | 6.7  | 5.7  | 5.3  | 6.0  | 6.7  | 6.2  |
| ZODIAC         | 5.7              | 85.0                       | 76.7                          | 7.3             | 7.0  | 5.0  | 5.3  | 6.0  | 6.3  | 6.2  |
| PSG 50C3       | 5.3              | 73.3                       | 70.0                          | 5.3             | 6.7  | 6.3  | 5.7  | 5.3  | 6.3  | 5.9  |
| IS-FRC-33      | 5.0              | 81.7                       | 70.0                          | 6.3             | 6.0  | 5.0  | 5.0  | 6.0  | 6.0  | 5.7  |
| IS-FRC-35      | 4.7              | 71.7                       | 66.7                          | 6.0             | 6.3  | 5.0  | 4.7  | 6.0  | 6.0  | 5.7  |
| CASCADE        | 5.7              | 83.3                       | 70.0                          | 6.3             | 6.3  | 5.0  | 4.7  | 5.0  | 6.3  | 5.6  |
| MVS-FRC-101    | 6.0              | 61.7                       | 70.0                          | 6.0             | 6.0  | 5.0  | 5.3  | 5.7  | 5.7  | 5.6  |
| FAIRMONT (TCD) | 5.7              | 73.3                       | 70.0                          | 5.7             | 6.0  | 5.0  | 4.7  | 5.3  | 5.7  | 5.4  |
| PST-4CSD       | 5.7              | 58.3                       | 66.7                          | 5.3             | 6.0  | 4.7  | 4.7  | 5.7  | 5.7  | 5.3  |
| TREAZURE II    | 5.0              | 73.3                       | 71.7                          | 4.0             | 5.0  | 5.3  | 4.3  | 5.0  | 5.0  | 4.8  |
| LSD VALUE      | 1.7              | 30.8                       | 20.6                          | 3.2             | 2.1  | 1.4  | 1.6  | 1.4  | 1.9  | 1.4  |
| C.V. (%)       | 13.9             | 17.1                       | 10.5                          | 22.3            | 13.7 | 11.6 | 12.7 | 10.9 | 13.0 | 10.5 |

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 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS  
GROWN UNDER SHADE AT BROOKINGS, SD 1/  
2009 DATA

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

| NAME      | GENETIC<br>COLOR | PERCENT<br>COVER<br>SUMMER | PERCENT<br>ESTABLISH-<br>MENT | QUALITY RATINGS |      |      |      |     |      |      |
|-----------|------------------|----------------------------|-------------------------------|-----------------|------|------|------|-----|------|------|
|           |                  |                            |                               | MAY             | JUN  | JUL  | AUG  | SEP | OCT  | MEAN |
| IS-FRR-62 | 6.7              | 86.7                       | 68.3                          | 6.0             | 7.0  | 6.7  | 6.0  | 6.7 | 6.7  | 6.5  |
| IS-FRR-51 | 6.7              | 73.3                       | 63.3                          | 5.7             | 5.7  | 5.7  | 5.7  | 6.0 | 6.3  | 5.8  |
| MVS-OS-1  | 6.0              | 75.0                       | 56.7                          | 5.7             | 5.7  | 5.3  | 5.3  | 6.0 | 6.0  | 5.7  |
| PST-48Y7  | 7.7              | 66.7                       | 55.0                          | 5.3             | 5.3  | 5.7  | 5.0  | 6.0 | 6.0  | 5.6  |
| EPIC      | 6.0              | 66.7                       | 73.3                          | 6.0             | 5.7  | 5.0  | 4.7  | 5.7 | 5.7  | 5.4  |
| ABERDEEN  | 5.7              | 60.0                       | 56.7                          | 5.7             | 5.3  | 5.0  | 4.7  | 5.3 | 6.0  | 5.3  |
| PSG-5RM   | 6.3              | 70.0                       | 73.3                          | 5.0             | 5.3  | 5.0  | 5.0  | 5.3 | 5.3  | 5.2  |
| BOREAL    | 4.3              | 78.3                       | 53.3                          | 4.7             | 4.3  | 5.0  | 4.3  | 4.7 | 5.0  | 4.7  |
| LSD VALUE | 1.8              | 16.3                       | 11.0                          | 2.6             | 1.5  | 2.0  | 1.5  | 1.1 | 1.4  | 1.1  |
| C.V. (%)  | 15.0             | 11.3                       | 9.7                           | 18.2            | 13.3 | 16.1 | 13.7 | 9.7 | 10.8 | 9.8  |

TABLE 7D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS  
GROWN UNDER SHADE AT BROOKINGS, SD 1/  
2009 DATA

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

| NAME                  | GENETIC<br>COLOR | PERCENT<br>COVER<br>SUMMER | PERCENT<br>ESTABLISH-<br>MENT | QUALITY RATINGS |      |     |      |      |      |      |
|-----------------------|------------------|----------------------------|-------------------------------|-----------------|------|-----|------|------|------|------|
|                       |                  |                            |                               | MAY             | JUN  | JUL | AUG  | SEP  | OCT  | MEAN |
| BIGHORN GT (PST-4BU3) | 4.0              | 73.3                       | 68.3                          | 6.0             | 5.7  | 5.0 | 5.3  | 5.7  | 5.7  | 5.6  |
| SPARTAN II            | 5.0              | 78.3                       | 66.7                          | 6.0             | 5.7  | 5.0 | 5.0  | 5.7  | 6.0  | 5.6  |
| Z6300                 | 4.7              | 71.7                       | 70.0                          | 6.0             | 6.0  | 5.0 | 4.7  | 5.7  | 5.7  | 5.5  |
| PST-4HES              | 4.3              | 76.7                       | 63.3                          | 5.0             | 5.7  | 5.3 | 5.0  | 5.3  | 5.7  | 5.3  |
| GOTHAM                | 4.3              | 68.3                       | 53.3                          | 4.7             | 4.7  | 4.7 | 4.0  | 5.0  | 5.3  | 4.7  |
| NC-HF1                | 4.7              | 73.3                       | 53.3                          | 5.0             | 4.7  | 4.7 | 4.0  | 5.0  | 5.0  | 4.7  |
| LSD VALUE             | 1.6              | 23.3                       | 19.4                          | 2.4             | 1.6  | 0.8 | 1.6  | 2.0  | 1.5  | 1.2  |
| C.V. (%)              | 14.6             | 12.6                       | 14.3                          | 18.9            | 13.4 | 7.1 | 15.6 | 15.0 | 11.2 | 10.3 |

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 8A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS  
USING RECYCLED WATER AT PALO ALTO, CA 1/  
2009 DATA

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

| NAME                  | AUG  | SEP  | OCT  | NOV | DEC | MEAN |
|-----------------------|------|------|------|-----|-----|------|
| TREAZURE II           | 8.7  | 8.7  | 8.0  | 8.0 | 8.0 | 8.3  |
| FAIRMONT (TCD)        | 8.3  | 8.3  | 8.3  | 7.7 | 8.3 | 8.2  |
| IS-FRR-62             | 8.7  | 8.7  | 8.0  | 8.0 | 7.7 | 8.2  |
| BOREAL                | 8.0  | 8.0  | 8.3  | 8.3 | 7.7 | 8.1  |
| EPIC                  | 8.3  | 8.3  | 8.0  | 7.7 | 8.3 | 8.1  |
| IS-FRC-35             | 8.3  | 8.3  | 8.3  | 8.0 | 7.7 | 8.1  |
| LACROSSE              | 8.3  | 8.3  | 7.7  | 7.7 | 8.0 | 8.0  |
| INTRIGUE 2            | 8.3  | 8.3  | 8.0  | 7.7 | 7.3 | 7.9  |
| IS-FRC-33             | 7.7  | 7.7  | 7.7  | 8.0 | 8.7 | 7.9  |
| PST-48Y7              | 7.7  | 7.7  | 8.0  | 8.0 | 8.0 | 7.9  |
| PST-4HES              | 8.3  | 8.3  | 8.3  | 8.0 | 6.7 | 7.9  |
| PSG-5RM               | 7.7  | 7.7  | 8.0  | 8.0 | 7.7 | 7.8  |
| MVS-FRC-101           | 8.0  | 8.0  | 7.7  | 7.7 | 7.3 | 7.7  |
| NC-HF1                | 7.7  | 7.7  | 8.0  | 8.0 | 7.3 | 7.7  |
| PST-4CSD              | 8.0  | 8.0  | 7.7  | 7.7 | 7.3 | 7.7  |
| SPARTAN II            | 7.7  | 7.7  | 7.7  | 7.7 | 7.3 | 7.6  |
| GOTHAM                | 7.7  | 7.7  | 7.7  | 7.0 | 7.7 | 7.5  |
| ZODIAC                | 7.3  | 7.3  | 7.3  | 7.7 | 8.0 | 7.5  |
| ABERDEEN              | 7.0  | 7.0  | 7.0  | 7.3 | 8.7 | 7.4  |
| PSG 50C3              | 7.7  | 7.3  | 7.3  | 7.0 | 7.7 | 7.4  |
| Z6300                 | 7.7  | 7.7  | 7.3  | 7.3 | 7.0 | 7.4  |
| MVS-OS-1              | 6.7  | 6.7  | 6.7  | 7.0 | 9.0 | 7.2  |
| BIGHORN GT (PST-4BU3) | 7.3  | 7.3  | 7.0  | 7.0 | 7.0 | 7.1  |
| CASCADE               | 7.0  | 7.0  | 6.7  | 7.0 | 7.7 | 7.1  |
| IS-FRR-51             | 7.0  | 6.3  | 6.7  | 6.3 | 8.0 | 6.9  |
| LSD VALUE             | 2.2  | 2.4  | 2.3  | 2.1 | 1.1 | 1.5  |
| C.V. (%)              | 10.5 | 11.6 | 10.8 | 9.8 | 7.5 | 7.4  |

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

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

TABLE 8B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS  
USING RECYCLED WATER AT PALO ALTO, CA 1/  
2009 DATA

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

| NAME           | AUG  | SEP  | OCT  | NOV  | DEC | MEAN |
|----------------|------|------|------|------|-----|------|
| TREAZURE II    | 8.7  | 8.7  | 8.0  | 8.0  | 8.0 | 8.3  |
| FAIRMONT (TCD) | 8.3  | 8.3  | 8.3  | 7.7  | 8.3 | 8.2  |
| IS-FRC-35      | 8.3  | 8.3  | 8.3  | 8.0  | 7.7 | 8.1  |
| LACROSSE       | 8.3  | 8.3  | 7.7  | 7.7  | 8.0 | 8.0  |
| INTRIGUE 2     | 8.3  | 8.3  | 8.0  | 7.7  | 7.3 | 7.9  |
| IS-FRC-33      | 7.7  | 7.7  | 7.7  | 8.0  | 8.7 | 7.9  |
| MVS-FRC-101    | 8.0  | 8.0  | 7.7  | 7.7  | 7.3 | 7.7  |
| PST-4CSD       | 8.0  | 8.0  | 7.7  | 7.7  | 7.3 | 7.7  |
| ZODIAC         | 7.3  | 7.3  | 7.3  | 7.7  | 8.0 | 7.5  |
| PSG 50C3       | 7.7  | 7.3  | 7.3  | 7.0  | 7.7 | 7.4  |
| CASCADE        | 7.0  | 7.0  | 6.7  | 7.0  | 7.7 | 7.1  |
| LSD VALUE      | 2.6  | 2.9  | 2.6  | 2.2  | 1.2 | 1.8  |
| C.V. (%)       | 12.1 | 13.3 | 12.2 | 10.1 | 6.8 | 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 8C. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS USING RECYCLED WATER AT PALO ALTO, CA 1/ 2009 DATA

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

| NAME      | AUG | SEP  | OCT  | NOV | DEC | MEAN |
|-----------|-----|------|------|-----|-----|------|
| IS-FRR-62 | 8.7 | 8.7  | 8.0  | 8.0 | 7.7 | 8.2  |
| BOREAL    | 8.0 | 8.0  | 8.3  | 8.3 | 7.7 | 8.1  |
| EPIC      | 8.3 | 8.3  | 8.0  | 7.7 | 8.3 | 8.1  |
| PST-48Y7  | 7.7 | 7.7  | 8.0  | 8.0 | 8.0 | 7.9  |
| PSG-5RM   | 7.7 | 7.7  | 8.0  | 8.0 | 7.7 | 7.8  |
| ABERDEEN  | 7.0 | 7.0  | 7.0  | 7.3 | 8.7 | 7.4  |
| MVS-OS-1  | 6.7 | 6.7  | 6.7  | 7.0 | 9.0 | 7.2  |
| IS-FRR-51 | 7.0 | 6.3  | 6.7  | 6.3 | 8.0 | 6.9  |
| LSD VALUE | 1.4 | 1.6  | 1.8  | 1.5 | 1.3 | 1.1  |
| C.V. (%)  | 9.3 | 10.9 | 10.8 | 9.7 | 7.4 | 6.8  |

TABLE 8D. MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS USING RECYCLED WATER AT PALO ALTO, CA 1/ 2009 DATA

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

| NAME                  | AUG | SEP | OCT | NOV | DEC | MEAN |
|-----------------------|-----|-----|-----|-----|-----|------|
| PST-4HES              | 8.3 | 8.3 | 8.3 | 8.0 | 6.7 | 7.9  |
| NC-HF1                | 7.7 | 7.7 | 8.0 | 8.0 | 7.3 | 7.7  |
| SPARTAN II            | 7.7 | 7.7 | 7.7 | 7.7 | 7.3 | 7.6  |
| GOTHAM                | 7.7 | 7.7 | 7.7 | 7.0 | 7.7 | 7.5  |
| Z6300                 | 7.7 | 7.7 | 7.3 | 7.3 | 7.0 | 7.4  |
| BIGHORN GT (PST-4BU3) | 7.3 | 7.3 | 7.0 | 7.0 | 7.0 | 7.1  |
| LSD VALUE             | 1.3 | 1.3 | 0.7 | 1.6 | 1.1 | 0.9  |
| C.V. (%)              | 7.0 | 7.0 | 4.8 | 9.4 | 6.7 | 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 9A. GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

| NAME                  | GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/ |     |      |      |      |      |      |     |      |
|-----------------------|--|-----|------|------|------|------|------|-----|------|
|                       | CA1  | IL1 | MN1  | NE1  | PA1  | RI1  | UT1  | WA3 | MEAN |
| PSG 50C3              | 8.0  | 6.7 | 7.3  | 8.3  | 6.7  | 4.3  | 6.0  | 7.3 | 6.8  |
| MVS-FRC-101           | 7.3  | 6.3 | 7.3  | 8.7  | 6.3  | 3.7  | 7.3  | 7.3 | 6.8  |
| PSG-5RM               | 8.7  | 6.7 | 5.3  | 8.7  | 6.0  | 4.0  | 7.7  | 7.3 | 6.8  |
| MVS-OS-1              | 8.0  | 6.7 | 5.0  | 8.0  | 6.3  | 4.3  | 7.7  | 7.7 | 6.7  |
| PST-48Y7              | 7.7  | 6.3 | 5.3  | 7.3  | 6.0  | 5.3  | 8.0  | 7.0 | 6.6  |
| FAIRMONT (TCD)        | 8.0  | 6.0 | 6.7  | 6.7  | 7.0  | 5.0  | 6.7  | 6.7 | 6.6  |
| CASCADE               | 8.0  | 6.7 | 6.0  | 7.0  | 7.3  | 4.0  | 6.0  | 7.0 | 6.5  |
| IS-FRR-51             | 7.7  | 6.3 | 5.0  | 8.0  | 6.0  | 4.3  | 7.0  | 7.7 | 6.5  |
| LACROSSE              | 7.7  | 6.7 | 5.7  | 7.7  | 6.3  | 4.7  | 6.0  | 7.3 | 6.5  |
| SPARTAN II            | 7.3  | 6.3 | 4.0  | 7.7  | 7.7  | 5.0  | 5.7  | 7.3 | 6.4  |
| ABERDEEN              | 8.3  | 6.0 | 4.0  | 8.3  | 6.3  | 4.7  | 6.0  | 7.0 | 6.3  |
| BIGHORN GT (PST-4BU3) | 9.0  | 6.3 | 7.3  | 5.3  | 8.0  | 5.0  | 2.7  | 7.0 | 6.3  |
| GOTHAM                | 8.7  | 6.3 | 3.7  | 7.3  | 7.3  | 5.0  | 5.7  | 6.7 | 6.3  |
| NC-HF1                | 8.3  | 6.3 | 3.3  | 7.3  | 8.0  | 5.0  | 5.3  | 7.0 | 6.3  |
| PST-4CSD              | 8.0  | 6.0 | 7.0  | 6.3  | 7.3  | 4.0  | 5.7  | 6.3 | 6.3  |
| IS-FRC-33             | 7.7  | 6.3 | 6.0  | 7.7  | 6.3  | 4.7  | 5.3  | 6.3 | 6.3  |
| IS-FRC-35             | 8.0  | 6.7 | 5.7  | 7.7  | 6.0  | 5.0  | 4.3  | 5.3 | 6.1  |
| IS-FRR-62             | 7.0  | 6.0 | 5.0  | 8.3  | 4.3  | 4.0  | 7.0  | 7.0 | 6.1  |
| EPIC                  | 7.3  | 6.0 | 4.3  | 7.3  | 5.3  | 5.0  | 5.7  | 6.3 | 5.9  |
| ZODIAC                | 7.0  | 6.0 | 6.0  | 7.0  | 6.7  | 3.7  | 4.7  | 6.3 | 5.9  |
| PST-4HES              | 7.7  | 6.0 | 3.7  | 6.7  | 7.7  | 4.7  | 4.0  | 6.3 | 5.8  |
| TREAZURE II           | 7.0  | 6.3 | 5.0  | 6.7  | 5.3  | 5.7  | 4.7  | 6.0 | 5.8  |
| INTRIGUE 2            | 8.0  | 6.7 | 5.0  | 6.7  | 6.0  | 3.7  | 4.3  | 6.0 | 5.8  |
| Z6300                 | 7.7  | 6.0 | 3.0  | 8.3  | 7.3  | 3.0  | 5.0  | 6.0 | 5.8  |
| BOREAL                | 7.0  | 5.7 | 2.0  | 5.7  | 4.7  | 6.7  | 3.7  | 5.0 | 5.0  |
| LSD VALUE             | 1.6  | 0.8 | 1.0  | 1.7  | 1.2  | 2.1  | 1.7  | 1.0 | 0.5  |
| C.V. (%)              | 12.4                                       | 8.2 | 12.3 | 14.1 | 11.4 | 28.1 | 18.1 | 9.4 | 14.2 |

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

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

TABLE 9B. GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/

2009 DATA

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

| NAME           | CA1  | IL1 | MN1  | NE1  | PA1  | RI1  | UT1  | WA3  | MEAN |
|----------------|------|-----|------|------|------|------|------|------|------|
| PSG 50C3       | 8.0  | 6.7 | 7.3  | 8.3  | 6.7  | 4.3  | 6.0  | 7.3  | 6.8  |
| MVS-FRC-101    | 7.3  | 6.3 | 7.3  | 8.7  | 6.3  | 3.7  | 7.3  | 7.3  | 6.8  |
| FAIRMONT (TCD) | 8.0  | 6.0 | 6.7  | 6.7  | 7.0  | 5.0  | 6.7  | 6.7  | 6.6  |
| CASCADE        | 8.0  | 6.7 | 6.0  | 7.0  | 7.3  | 4.0  | 6.0  | 7.0  | 6.5  |
| LACROSSE       | 7.7  | 6.7 | 5.7  | 7.7  | 6.3  | 4.7  | 6.0  | 7.3  | 6.5  |
| PST-4CSD       | 8.0  | 6.0 | 7.0  | 6.3  | 7.3  | 4.0  | 5.7  | 6.3  | 6.3  |
| IS-FRC-33      | 7.7  | 6.3 | 6.0  | 7.7  | 6.3  | 4.7  | 5.3  | 6.3  | 6.3  |
| IS-FRC-35      | 8.0  | 6.7 | 5.7  | 7.7  | 6.0  | 5.0  | 4.3  | 5.3  | 6.1  |
| ZODIAC         | 7.0  | 6.0 | 6.0  | 7.0  | 6.7  | 3.7  | 4.7  | 6.3  | 5.9  |
| TREAZURE II    | 7.0  | 6.3 | 5.0  | 6.7  | 5.3  | 5.7  | 4.7  | 6.0  | 5.8  |
| INTRIGUE 2     | 8.0  | 6.7 | 5.0  | 6.7  | 6.0  | 3.7  | 4.3  | 6.0  | 5.8  |
| LSD VALUE      | 1.7  | 0.9 | 1.3  | 1.9  | 1.2  | 1.7  | 1.4  | 1.2  | 0.5  |
| C.V. (%)       | 13.6 | 9.0 | 12.7 | 16.0 | 11.1 | 24.1 | 16.0 | 11.0 | 14.1 |

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 9C. GENETIC COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

| NAME      | GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/ |     |     |      |      |      |      |     | MEAN |
|-----------|--|-----|-----|------|------|------|------|-----|------|
|           | CA1  | IL1 | MN1 | NE1  | PA1  | RI1  | UT1  | WA3 |      |
| PSG-5RM   | 8.7  | 6.7 | 5.3 | 8.7  | 6.0  | 4.0  | 7.7  | 7.3 | 6.8  |
| MVS-OS-1  | 8.0  | 6.7 | 5.0 | 8.0  | 6.3  | 4.3  | 7.7  | 7.7 | 6.7  |
| PST-48Y7  | 7.7  | 6.3 | 5.3 | 7.3  | 6.0  | 5.3  | 8.0  | 7.0 | 6.6  |
| IS-FRR-51 | 7.7  | 6.3 | 5.0 | 8.0  | 6.0  | 4.3  | 7.0  | 7.7 | 6.5  |
| ABERDEEN  | 8.3  | 6.0 | 4.0 | 8.3  | 6.3  | 4.7  | 6.0  | 7.0 | 6.3  |
| IS-FRR-62 | 7.0  | 6.0 | 5.0 | 8.3  | 4.3  | 4.0  | 7.0  | 7.0 | 6.1  |
| EPIC      | 7.3  | 6.0 | 4.3 | 7.3  | 5.3  | 5.0  | 5.7  | 6.3 | 5.9  |
| BOREAL    | 7.0  | 5.7 | 2.0 | 5.7  | 4.7  | 6.7  | 3.7  | 5.0 | 5.0  |
| LSD VALUE | 1.4  | 0.7 | 0.6 | 1.6  | 1.2  | 2.7  | 2.0  | 1.0 | 0.5  |
| C.V. (%)  | 10.9                                       | 7.4 | 7.9 | 13.0 | 13.6 | 35.1 | 18.9 | 9.4 | 15.4 |

TABLE 9D. GENETIC COLOR RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

| NAME                  | GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/ |     |      |      |     |      |      |     | MEAN |
|-----------------------|--|-----|------|------|-----|------|------|-----|------|
|                       | CA1  | IL1 | MN1  | NE1  | PA1 | RI1  | UT1  | WA3 |      |
| SPARTAN II            | 7.3  | 6.3 | 4.0  | 7.7  | 7.7 | 5.0  | 5.7  | 7.3 | 6.4  |
| BIGHORN GT (PST-4BU3) | 9.0  | 6.3 | 7.3  | 5.3  | 8.0 | 5.0  | 2.7  | 7.0 | 6.3  |
| GOTHAM                | 8.7  | 6.3 | 3.7  | 7.3  | 7.3 | 5.0  | 5.7  | 6.7 | 6.3  |
| NC-HF1                | 8.3  | 6.3 | 3.3  | 7.3  | 8.0 | 5.0  | 5.3  | 7.0 | 6.3  |
| PST-4HES              | 7.7  | 6.0 | 3.7  | 6.7  | 7.7 | 4.7  | 4.0  | 6.3 | 5.8  |
| Z6300                 | 7.7  | 6.0 | 3.0  | 8.3  | 7.3 | 3.0  | 5.0  | 6.0 | 5.8  |
| LSD VALUE             | 1.6  | 0.8 | 1.0  | 1.3  | 1.2 | 1.7  | 1.5  | 0.7 | 0.4  |
| C.V. (%)              | 12.0                                       | 7.6 | 15.0 | 11.5 | 9.7 | 22.3 | 20.0 | 6.1 | 12.7 |

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 10A. SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | IL1  | NE1  | MEAN |
|-----------------------|------|------|------|
| FAIRMONT (TCD)        | 7.3  | 6.7  | 7.0  |
| ZODIAC                | 6.7  | 7.3  | 7.0  |
| MVS-FRC-101           | 7.0  | 6.7  | 6.8  |
| IS-FRC-35             | 6.3  | 7.3  | 6.8  |
| TREAZURE II           | 6.3  | 7.3  | 6.8  |
| BIGHORN GT (PST-4BU3) | 6.7  | 6.7  | 6.7  |
| CASCADE               | 6.3  | 7.0  | 6.7  |
| EPIC                  | 6.3  | 7.0  | 6.7  |
| LACROSSE              | 6.3  | 7.0  | 6.7  |
| MVS-OS-1              | 6.3  | 7.0  | 6.7  |
| BOREAL                | 6.7  | 6.3  | 6.5  |
| NC-HF1                | 6.3  | 6.7  | 6.5  |
| PST-4CSD              | 6.0  | 7.0  | 6.5  |
| PST-4HES              | 6.3  | 6.7  | 6.5  |
| ABERDEEN              | 6.0  | 6.7  | 6.3  |
| INTRIGUE 2            | 6.0  | 6.7  | 6.3  |
| PSG 50C3              | 5.7  | 7.0  | 6.3  |
| IS-FRR-51             | 6.3  | 6.3  | 6.3  |
| Z6300                 | 5.3  | 7.3  | 6.3  |
| PSG-5RM               | 5.7  | 6.7  | 6.2  |
| PST-48Y7              | 6.3  | 6.0  | 6.2  |
| SPARTAN II            | 6.3  | 6.0  | 6.2  |
| GOTHAM                | 5.7  | 6.3  | 6.0  |
| IS-FRC-33             | 5.7  | 6.3  | 6.0  |
| IS-FRR-62             | 5.7  | 6.3  | 6.0  |
| LSD VALUE             | 1.2  | 1.2  | 0.8  |
| C.V. (%)              | 12.0 | 11.0 | 11.5 |

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 10B. SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS 1/

2009 DATA

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

| NAME           | IL1  | NE1  | MEAN |
|----------------|------|------|------|
| FAIRMONT (TCD) | 7.3  | 6.7  | 7.0  |
| ZODIAC         | 6.7  | 7.3  | 7.0  |
| MVS-FRC-101    | 7.0  | 6.7  | 6.8  |
| IS-FRC-35      | 6.3  | 7.3  | 6.8  |
| TREAZURE II    | 6.3  | 7.3  | 6.8  |
| CASCADE        | 6.3  | 7.0  | 6.7  |
| LACROSSE       | 6.3  | 7.0  | 6.7  |
| PST-4CSD       | 6.0  | 7.0  | 6.5  |
| INTRIGUE 2     | 6.0  | 6.7  | 6.3  |
| PSG 50C3       | 5.7  | 7.0  | 6.3  |
| IS-FRC-33      | 5.7  | 6.3  | 6.0  |
| LSD VALUE      | 1.3  | 1.2  | 0.9  |
| C.V. (%)       | 12.3 | 10.9 | 11.6 |

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

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

TABLE 10C. SPRING GREENUP RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME      | IL1  | NE1  | MEAN |
|-----------|------|------|------|
| EPIC      | 6.3  | 7.0  | 6.7  |
| MVS-OS-1  | 6.3  | 7.0  | 6.7  |
| BOREAL    | 6.7  | 6.3  | 6.5  |
| ABERDEEN  | 6.0  | 6.7  | 6.3  |
| IS-FRR-51 | 6.3  | 6.3  | 6.3  |
| PSG-5RM   | 5.7  | 6.7  | 6.2  |
| PST-48Y7  | 6.3  | 6.0  | 6.2  |
| IS-FRR-62 | 5.7  | 6.3  | 6.0  |
| LSD VALUE | 1.0  | 1.1  | 0.8  |
| C.V. (%)  | 10.5 | 10.3 | 10.4 |

TABLE 10D. SPRING GREENUP RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | IL1  | NE1  | MEAN |
|-----------------------|------|------|------|
| BIGHORN GT (PST-4BU3) | 6.7  | 6.7  | 6.7  |
| NC-HF1                | 6.3  | 6.7  | 6.5  |
| PST-4HES              | 6.3  | 6.7  | 6.5  |
| Z6300                 | 5.3  | 7.3  | 6.3  |
| SPARTAN II            | 6.3  | 6.0  | 6.2  |
| GOTHAM                | 5.7  | 6.3  | 6.0  |
| LSD VALUE             | 1.3  | 1.3  | 0.9  |
| C.V. (%)              | 13.4 | 11.8 | 12.6 |

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

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

TABLE 11A. SEEDLING VIGOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

| NAME                  | NY1  | PA1  | WA3  | MEAN |
|-----------------------|------|------|------|------|
| FAIRMONT (TCD)        | 6.0  | 9.0  | 7.7  | 7.6  |
| ZODIAC                | 5.3  | 7.7  | 8.0  | 7.0  |
| MVS-FRC-101           | 5.7  | 7.3  | 7.3  | 6.8  |
| EPIC                  | 6.3  | 6.3  | 6.3  | 6.3  |
| CASCADE               | 6.0  | 5.0  | 7.0  | 6.0  |
| TREAZURE II           | 5.3  | 6.3  | 6.3  | 6.0  |
| Z6300                 | 6.0  | 6.7  | 5.3  | 6.0  |
| IS-FRR-62             | 7.0  | 5.0  | 5.7  | 5.9  |
| BIGHORN GT (PST-4BU3) | 5.0  | 7.3  | 5.3  | 5.9  |
| INTRIGUE 2            | 6.3  | 5.3  | 6.0  | 5.9  |
| GOTHAM                | 5.3  | 6.3  | 5.7  | 5.8  |
| LACROSSE              | 6.0  | 4.3  | 6.7  | 5.7  |
| IS-FRR-51             | 5.0  | 5.7  | 6.0  | 5.6  |
| MVS-OS-1              | 5.3  | 6.0  | 5.3  | 5.6  |
| IS-FRC-33             | 6.0  | 4.7  | 5.7  | 5.4  |
| IS-FRC-35             | 5.3  | 3.7  | 6.7  | 5.2  |
| ABERDEEN              | 5.0  | 4.0  | 6.0  | 5.0  |
| PST-4HES              | 4.0  | 6.0  | 5.0  | 5.0  |
| SPARTAN II            | 6.0  | 4.3  | 4.3  | 4.9  |
| PSG-5RM               | 4.7  | 4.3  | 5.0  | 4.7  |
| PSG 50C3              | 4.7  | 3.7  | 5.3  | 4.6  |
| PST-48Y7              | 6.0  | 3.0  | 4.0  | 4.3  |
| PST-4CSD              | 4.3  | 3.7  | 4.3  | 4.1  |
| NC-HF1                | 4.0  | 3.7  | 3.7  | 3.8  |
| BOREAL                | 2.3  | 4.3  | 3.7  | 3.4  |
| LSD VALUE             | 2.2  | 1.2  | 1.5  | 1.0  |
| C.V. (%)              | 25.8 | 13.5 | 16.4 | 19.1 |

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 11B. SEEDLING VIGOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

| NAME           | NY1  | PA1  | WA3  | MEAN |
|----------------|------|------|------|------|
| FAIRMONT (TCD) | 6.0  | 9.0  | 7.7  | 7.6  |
| ZODIAC         | 5.3  | 7.7  | 8.0  | 7.0  |
| MVS-FRC-101    | 5.7  | 7.3  | 7.3  | 6.8  |
| CASCADE        | 6.0  | 5.0  | 7.0  | 6.0  |
| TREAZURE II    | 5.3  | 6.3  | 6.3  | 6.0  |
| INTRIGUE 2     | 6.3  | 5.3  | 6.0  | 5.9  |
| LACROSSE       | 6.0  | 4.3  | 6.7  | 5.7  |
| IS-FRC-33      | 6.0  | 4.7  | 5.7  | 5.4  |
| IS-FRC-35      | 5.3  | 3.7  | 6.7  | 5.2  |
| PSG 50C3       | 4.7  | 3.7  | 5.3  | 4.6  |
| PST-4CSD       | 4.3  | 3.7  | 4.3  | 4.1  |
| LSD VALUE      | 2.4  | 1.1  | 1.4  | 1.0  |
| C.V. (%)       | 27.4 | 12.2 | 13.8 | 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 11C. SEEDLING VIGOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

| NAME      | NY1  | PA1  | WA3  | MEAN |
|-----------|------|------|------|------|
| EPIC      | 6.3  | 6.3  | 6.3  | 6.3  |
| IS-FRR-62 | 7.0  | 5.0  | 5.7  | 5.9  |
| IS-FRR-51 | 5.0  | 5.7  | 6.0  | 5.6  |
| MVS-OS-1  | 5.3  | 6.0  | 5.3  | 5.6  |
| ABERDEEN  | 5.0  | 4.0  | 6.0  | 5.0  |
| PSG-5RM   | 4.7  | 4.3  | 5.0  | 4.7  |
| PST-48Y7  | 6.0  | 3.0  | 4.0  | 4.3  |
| BOREAL    | 2.3  | 4.3  | 3.7  | 3.4  |
| LSD VALUE | 1.5  | 1.3  | 1.6  | 0.9  |
| C.V. (%)  | 18.4 | 16.9 | 19.4 | 18.4 |

TABLE 11D. SEEDLING VIGOR RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

| NAME                  | NY1  | PA1  | WA3  | MEAN |
|-----------------------|------|------|------|------|
| Z6300                 | 6.0  | 6.7  | 5.3  | 6.0  |
| BIGHORN GT (PST-4BU3) | 5.0  | 7.3  | 5.3  | 5.9  |
| GOTHAM                | 5.3  | 6.3  | 5.7  | 5.8  |
| PST-4HES              | 4.0  | 6.0  | 5.0  | 5.0  |
| SPARTAN II            | 6.0  | 4.3  | 4.3  | 4.9  |
| NC-HF1                | 4.0  | 3.7  | 3.7  | 3.8  |
| LSD VALUE             | 2.5  | 1.1  | 1.4  | 1.0  |
| C.V. (%)              | 30.6 | 11.7 | 18.0 | 21.0 |

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 12A. SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | NE1  | WA3 | MEAN |
|-----------------------|------|-----|------|
| CASCADE               | 7.0  | 9.0 | 8.0  |
| ZODIAC                | 7.3  | 8.3 | 7.8  |
| IS-FRC-35             | 7.0  | 8.7 | 7.8  |
| EPIC                  | 6.3  | 9.0 | 7.7  |
| INTRIGUE 2            | 6.7  | 8.7 | 7.7  |
| IS-FRC-33             | 6.7  | 8.7 | 7.7  |
| PST-4CSD              | 6.7  | 8.3 | 7.5  |
| FAIRMONT (TCD)        | 7.0  | 8.0 | 7.5  |
| LACROSSE              | 6.7  | 8.0 | 7.3  |
| MVS-FRC-101           | 7.0  | 7.7 | 7.3  |
| MVS-OS-1              | 7.0  | 7.7 | 7.3  |
| ABERDEEN              | 6.0  | 8.7 | 7.3  |
| TREAZURE II           | 6.0  | 8.7 | 7.3  |
| IS-FRR-51             | 6.7  | 7.7 | 7.2  |
| IS-FRR-62             | 6.0  | 8.3 | 7.2  |
| PSG 50C3              | 7.0  | 7.3 | 7.2  |
| BOREAL                | 5.7  | 8.3 | 7.0  |
| Z6300                 | 7.0  | 7.0 | 7.0  |
| BIGHORN GT (PST-4BU3) | 6.0  | 7.7 | 6.8  |
| PSG-5RM               | 6.0  | 7.7 | 6.8  |
| SPARTAN II            | 6.7  | 7.0 | 6.8  |
| PST-4HES              | 6.3  | 7.3 | 6.8  |
| GOTHAM                | 6.0  | 7.0 | 6.5  |
| NC-HF1                | 6.0  | 7.0 | 6.5  |
| PST-48Y7              | 5.0  | 8.0 | 6.5  |
| LSD VALUE             | 1.6  | 1.0 | 1.0  |
| C.V. (%)              | 15.6 | 8.0 | 11.7 |

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 12B. SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME           | NE1  | WA3 | MEAN |
|----------------|------|-----|------|
| CASCADE        | 7.0  | 9.0 | 8.0  |
| ZODIAC         | 7.3  | 8.3 | 7.8  |
| IS-FRC-35      | 7.0  | 8.7 | 7.8  |
| INTRIGUE 2     | 6.7  | 8.7 | 7.7  |
| IS-FRC-33      | 6.7  | 8.7 | 7.7  |
| FAIRMONT (TCD) | 7.0  | 8.0 | 7.5  |
| PST-4CSD       | 6.7  | 8.3 | 7.5  |
| LACROSSE       | 6.7  | 8.0 | 7.3  |
| MVS-FRC-101    | 7.0  | 7.7 | 7.3  |
| TREAZURE II    | 6.0  | 8.7 | 7.3  |
| PSG 50C3       | 7.0  | 7.3 | 7.2  |
| LSD VALUE      | 1.7  | 0.8 | 0.9  |
| C.V. (%)       | 15.1 | 5.9 | 10.7 |

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

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

TABLE 12C. SPRING DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME      | NE1  | WA3 | MEAN |
|-----------|------|-----|------|
| EPIC      | 6.3  | 9.0 | 7.7  |
| MVS-OS-1  | 7.0  | 7.7 | 7.3  |
| ABERDEEN  | 6.0  | 8.7 | 7.3  |
| IS-FRR-51 | 6.7  | 7.7 | 7.2  |
| IS-FRR-62 | 6.0  | 8.3 | 7.2  |
| BOREAL    | 5.7  | 8.3 | 7.0  |
| PSG-5RM   | 6.0  | 7.7 | 6.8  |
| PST-48Y7  | 5.0  | 8.0 | 6.5  |
| LSD VALUE | 1.7  | 1.3 | 1.1  |
| C.V. (%)  | 17.4 | 9.7 | 13.1 |

TABLE 12D. SPRING DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | NE1  | WA3 | MEAN |
|-----------------------|------|-----|------|
| Z6300                 | 7.0  | 7.0 | 7.0  |
| BIGHORN GT (PST-4BU3) | 6.0  | 7.7 | 6.8  |
| SPARTAN II            | 6.7  | 7.0 | 6.8  |
| PST-4HES              | 6.3  | 7.3 | 6.8  |
| GOTHAM                | 6.0  | 7.0 | 6.5  |
| NC-HF1                | 6.0  | 7.0 | 6.5  |
| LSD VALUE             | 1.4  | 1.1 | 0.9  |
| C.V. (%)              | 13.9 | 9.3 | 11.6 |

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

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



TABLE 13A. SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | NE1  | WA3 | MEAN |
|-----------------------|------|-----|------|
| PSG 50C3              | 8.3  | 9.0 | 8.7  |
| IS-FRR-51             | 8.3  | 8.7 | 8.5  |
| PST-4CSD              | 8.0  | 9.0 | 8.5  |
| FAIRMONT (TCD)        | 8.0  | 9.0 | 8.5  |
| ZODIAC                | 7.7  | 9.0 | 8.3  |
| IS-FRC-35             | 7.3  | 9.0 | 8.2  |
| LACROSSE              | 7.3  | 9.0 | 8.2  |
| MVS-FRC-101           | 7.3  | 9.0 | 8.2  |
| NC-HF1                | 7.7  | 8.7 | 8.2  |
| PSG-5RM               | 7.3  | 9.0 | 8.2  |
| PST-4HES              | 7.3  | 9.0 | 8.2  |
| GOTHAM                | 7.0  | 9.0 | 8.0  |
| INTRIGUE 2            | 7.0  | 9.0 | 8.0  |
| IS-FRR-62             | 7.3  | 8.7 | 8.0  |
| MVS-OS-1              | 7.3  | 8.7 | 8.0  |
| BIGHORN GT (PST-4BU3) | 6.7  | 9.0 | 7.8  |
| CASCADE               | 6.7  | 9.0 | 7.8  |
| TREAZURE II           | 6.7  | 9.0 | 7.8  |
| SPARTAN II            | 7.0  | 8.7 | 7.8  |
| Z6300                 | 7.0  | 8.3 | 7.7  |
| IS-FRC-33             | 6.3  | 9.0 | 7.7  |
| PST-48Y7              | 6.7  | 8.7 | 7.7  |
| ABERDEEN              | 6.7  | 8.3 | 7.5  |
| EPIC                  | 6.3  | 8.7 | 7.5  |
| BOREAL                | 6.7  | 8.0 | 7.3  |
| LSD VALUE             | 1.7  | 0.6 | 0.9  |
| C.V. (%)              | 14.5 | 3.9 | 9.7  |

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

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

TABLE 13B. SUMMER DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME           | NE1  | WA3 | MEAN |
|----------------|------|-----|------|
| PSG 50C3       | 8.3  | 9   | 8.7  |
| FAIRMONT (TCD) | 8.0  | 9   | 8.5  |
| PST-4CSD       | 8.0  | 9   | 8.5  |
| ZODIAC         | 7.7  | 9   | 8.3  |
| IS-FRC-35      | 7.3  | 9   | 8.2  |
| LACROSSE       | 7.3  | 9   | 8.2  |
| MVS-FRC-101    | 7.3  | 9   | 8.2  |
| INTRIGUE 2     | 7.0  | 9   | 8.0  |
| CASCADE        | 6.7  | 9   | 7.8  |
| TREAZURE II    | 6.7  | 9   | 7.8  |
| IS-FRC-33      | 6.3  | 9   | 7.7  |
| LSD VALUE      | 1.7  | 0   | 0.8  |
| C.V. (%)       | 14.0 | 0   | 8.9  |

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 13C. SUMMER DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME      | NE1  | WA3 | MEAN |
|-----------|------|-----|------|
| IS-FRR-51 | 8.3  | 8.7 | 8.5  |
| PSG-5RM   | 7.3  | 9.0 | 8.2  |
| IS-FRR-62 | 7.3  | 8.7 | 8.0  |
| MVS-OS-1  | 7.3  | 8.7 | 8.0  |
| PST-48Y7  | 6.7  | 8.7 | 7.7  |
| ABERDEEN  | 6.7  | 8.3 | 7.5  |
| EPIC      | 6.3  | 8.7 | 7.5  |
| BOREAL    | 6.7  | 8.0 | 7.3  |
| LSD VALUE | 1.9  | 0.8 | 1.0  |
| C.V. (%)  | 16.3 | 5.8 | 11.4 |

TABLE 13D. SUMMER DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | NE1  | WA3 | MEAN |
|-----------------------|------|-----|------|
| NC-HF1                | 7.7  | 8.7 | 8.2  |
| PST-4HES              | 7.3  | 9.0 | 8.2  |
| GOTHAM                | 7.0  | 9.0 | 8.0  |
| BIGHORN GT (PST-4BU3) | 6.7  | 9.0 | 7.8  |
| SPARTAN II            | 7.0  | 8.7 | 7.8  |
| Z6300                 | 7.0  | 8.3 | 7.7  |
| LSD VALUE             | 1.5  | 0.7 | 0.8  |
| C.V. (%)              | 12.8 | 4.7 | 8.9  |

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 14A. FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | NE1  |
|-----------------------|------|
| IS-FRC-33             | 8.0  |
| IS-FRR-51             | 8.0  |
| IS-FRR-62             | 8.0  |
| MVS-OS-1              | 8.0  |
| FAIRMONT (TCD)        | 8.0  |
| ABERDEEN              | 7.7  |
| CASCADE               | 7.7  |
| INTRIGUE 2            | 7.7  |
| IS-FRC-35             | 7.7  |
| LACROSSE              | 7.7  |
| MVS-FRC-101           | 7.7  |
| NC-HF1                | 7.7  |
| PSG 50C3              | 7.7  |
| PST-4CSD              | 7.7  |
| SPARTAN II            | 7.7  |
| ZODIAC                | 7.7  |
| BIGHORN GT (PST-4BU3) | 7.3  |
| EPIC                  | 7.3  |
| PSG-5RM               | 7.3  |
| PST-48Y7              | 7.3  |
| Z6300                 | 7.3  |
| PST-4HES              | 7.0  |
| BOREAL                | 6.7  |
| GOTHAM                | 6.7  |
| TREAZURE II           | 6.7  |
| LSD VALUE             | 1.6  |
| C.V. (%)              | 13.1 |

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 14B. FALL DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME           | NE1  |
|----------------|------|
| FAIRMONT (TCD) | 8.0  |
| IS-FRC-33      | 8.0  |
| CASCADE        | 7.7  |
| INTRIGUE 2     | 7.7  |
| IS-FRC-35      | 7.7  |
| LACROSSE       | 7.7  |
| MVS-FRC-101    | 7.7  |
| PSG 50C3       | 7.7  |
| PST-4CSD       | 7.7  |
| ZODIAC         | 7.7  |
| TREAZURE II    | 6.7  |
| LSD VALUE      | 1.5  |
| C.V. (%)       | 12.5 |

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 14C. FALL DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME      | NE1  |
|-----------|------|
| IS-FRR-51 | 8.0  |
| IS-FRR-62 | 8.0  |
| MVS-OS-1  | 8.0  |
| ABERDEEN  | 7.7  |
| EPIC      | 7.3  |
| PSG-5RM   | 7.3  |
| PST-48Y7  | 7.3  |
| BOREAL    | 6.7  |
| LSD VALUE | 1.8  |
| C.V. (%)  | 14.6 |

TABLE 14D. FALL DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | NE1  |
|-----------------------|------|
| NC-HF1                | 7.7  |
| SPARTAN II            | 7.7  |
| BIGHORN GT (PST-4BU3) | 7.3  |
| Z6300                 | 7.3  |
| PST-4HES              | 7.0  |
| GOTHAM                | 6.7  |
| LSD VALUE             | 1.4  |
| C.V. (%)              | 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 15A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME                  | VA1  | WA3  | WI1  | MEAN |
|-----------------------|------|------|------|------|
| MVS-FRC-101           | 91.3 | 98.0 | 96.0 | 95.1 |
| ZODIAC                | 91.0 | 99.0 | 94.3 | 94.8 |
| TREAZURE II           | 91.3 | 99.0 | 92.3 | 94.2 |
| INTRIGUE 2            | 89.7 | 99.0 | 91.7 | 93.4 |
| IS-FRC-33             | 85.7 | 98.7 | 93.3 | 92.6 |
| PSG 50C3              | 90.3 | 97.7 | 88.3 | 92.1 |
| LACROSSE              | 91.0 | 96.3 | 88.3 | 91.9 |
| PSG-5RM               | 91.0 | 95.0 | 89.0 | 91.7 |
| ABERDEEN              | 87.0 | 95.0 | 92.3 | 91.4 |
| IS-FRC-35             | 85.0 | 98.7 | 90.0 | 91.2 |
| SPARTAN II            | 95.3 | 98.3 | 80.0 | 91.2 |
| FAIRMONT (TCD)        | 85.0 | 96.3 | 91.7 | 91.0 |
| IS-FRR-51             | 90.7 | 93.3 | 88.3 | 90.8 |
| IS-FRR-62             | 89.0 | 93.3 | 90.0 | 90.8 |
| CASCADE               | 91.0 | 98.3 | 81.7 | 90.3 |
| PST-48Y7              | 91.7 | 93.3 | 85.7 | 90.2 |
| MVS-OS-1              | 87.3 | 93.3 | 90.0 | 90.2 |
| EPIC                  | 91.0 | 92.7 | 86.0 | 89.9 |
| Z6300                 | 93.0 | 98.0 | 76.7 | 89.2 |
| BOREAL                | 89.3 | 90.0 | 86.7 | 88.7 |
| PST-4CSD              | 90.3 | 98.0 | 76.7 | 88.3 |
| PST-4HES              | 92.3 | 98.3 | 70.0 | 86.9 |
| NC-HF1                | 90.7 | 97.3 | 70.0 | 86.0 |
| GOTHAM                | 88.7 | 97.3 | 68.3 | 84.8 |
| BIGHORN GT (PST-4BU3) | 94.3 | 98.7 | 53.3 | 82.1 |
| LSD VALUE             | 7.9  | 2.8  | 16.0 | 6.0  |
| C.V. (%)              | 5.4  | 1.8  | 11.8 | 7.2  |

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 15B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME           | VA1  | WA3  | WI1  | MEAN |
|----------------|------|------|------|------|
| MVS-FRC-101    | 91.3 | 98.0 | 96.0 | 95.1 |
| ZODIAC         | 91.0 | 99.0 | 94.3 | 94.8 |
| TREAZURE II    | 91.3 | 99.0 | 92.3 | 94.2 |
| INTRIGUE 2     | 89.7 | 99.0 | 91.7 | 93.4 |
| IS-FRC-33      | 85.7 | 98.7 | 93.3 | 92.6 |
| PSG 50C3       | 90.3 | 97.7 | 88.3 | 92.1 |
| LACROSSE       | 91.0 | 96.3 | 88.3 | 91.9 |
| IS-FRC-35      | 85.0 | 98.7 | 90.0 | 91.2 |
| FAIRMONT (TCD) | 85.0 | 96.3 | 91.7 | 91.0 |
| CASCADE        | 91.0 | 98.3 | 81.7 | 90.3 |
| PST-4CSD       | 90.3 | 98.0 | 76.7 | 88.3 |
| LSD VALUE      | 7.4  | 1.8  | 5.6  | 3.2  |
| C.V. (%)       | 5.2  | 1.2  | 3.9  | 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 15C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME      | VA1  | WA3  | WI1  | MEAN |
|-----------|------|------|------|------|
| PSG-5RM   | 91.0 | 95.0 | 89.0 | 91.7 |
| ABERDEEN  | 87.0 | 95.0 | 92.3 | 91.4 |
| IS-FRR-51 | 90.7 | 93.3 | 88.3 | 90.8 |
| IS-FRR-62 | 89.0 | 93.3 | 90.0 | 90.8 |
| PST-48Y7  | 91.7 | 93.3 | 85.7 | 90.2 |
| MVS-OS-1  | 87.3 | 93.3 | 90.0 | 90.2 |
| EPIC      | 91.0 | 92.7 | 86.0 | 89.9 |
| BOREAL    | 89.3 | 90.0 | 86.7 | 88.7 |
| LSD VALUE | 8.8  | 4.2  | 11.1 | 4.9  |
| C.V. (%)  | 6.1  | 2.8  | 7.8  | 5.9  |

TABLE 15D. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME                  | VA1  | WA3  | WI1  | MEAN |
|-----------------------|------|------|------|------|
| SPARTAN II            | 95.3 | 98.3 | 80.0 | 91.2 |
| Z6300                 | 93.0 | 98.0 | 76.7 | 89.2 |
| PST-4HES              | 92.3 | 98.3 | 70.0 | 86.9 |
| NC-HF1                | 90.7 | 97.3 | 70.0 | 86.0 |
| GOTHAM                | 88.7 | 97.3 | 68.3 | 84.8 |
| BIGHORN GT (PST-4BU3) | 94.3 | 98.7 | 53.3 | 82.1 |
| LSD VALUE             | 7.5  | 2.0  | 29.0 | 10.0 |
| C.V. (%)              | 5.1  | 1.3  | 25.9 | 12.4 |

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 16A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME                  | CA1  | WA3  | WI1  | MEAN |
|-----------------------|------|------|------|------|
| IS-FRC-33             | 93.0 | 99.0 | 85.0 | 92.3 |
| TREAZURE II           | 90.0 | 97.7 | 83.3 | 90.3 |
| PSG-5RM               | 99.0 | 97.7 | 73.3 | 90.0 |
| FAIRMONT (TCD)        | 96.0 | 99.0 | 73.3 | 89.4 |
| MVS-OS-1              | 96.3 | 97.7 | 73.3 | 89.1 |
| ZODIAC                | 88.0 | 99.0 | 80.0 | 89.0 |
| MVS-FRC-101           | 90.0 | 97.7 | 78.3 | 88.7 |
| IS-FRR-51             | 96.0 | 97.7 | 70.0 | 87.9 |
| IS-FRC-35             | 88.3 | 98.3 | 76.7 | 87.8 |
| IS-FRR-62             | 88.3 | 99.0 | 73.3 | 86.9 |
| INTRIGUE 2            | 94.7 | 99.0 | 66.7 | 86.8 |
| LACROSSE              | 96.0 | 99.0 | 61.7 | 85.6 |
| PST-48Y7              | 96.0 | 97.7 | 58.3 | 84.0 |
| EPIC                  | 90.0 | 99.0 | 61.7 | 83.6 |
| PSG 50C3              | 86.7 | 99.0 | 63.3 | 83.0 |
| ABERDEEN              | 93.0 | 97.7 | 56.7 | 82.4 |
| CASCADE               | 89.7 | 97.7 | 50.0 | 79.1 |
| PST-4CSD              | 88.0 | 97.7 | 50.0 | 78.6 |
| PST-4HES              | 96.0 | 97.7 | 36.7 | 76.8 |
| Z6300                 | 96.0 | 99.0 | 33.3 | 76.1 |
| BOREAL                | 88.0 | 95.0 | 43.3 | 75.4 |
| SPARTAN II            | 93.0 | 96.3 | 36.7 | 75.3 |
| NC-HF1                | 96.0 | 99.0 | 30.0 | 75.0 |
| GOTHAM                | 99.0 | 97.7 | 23.3 | 73.3 |
| BIGHORN GT (PST-4BU3) | 96.3 | 93.0 | 26.7 | 72.0 |
| LSD VALUE             | 9.1  | 3.1  | 25.9 | 9.2  |
| C.V. (%)              | 6.1  | 2.0  | 27.4 | 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 16B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME           | CA1  | WA3  | WI1  | MEAN |
|----------------|------|------|------|------|
| IS-FRC-33      | 93.0 | 99.0 | 85.0 | 92.3 |
| TREAZURE II    | 90.0 | 97.7 | 83.3 | 90.3 |
| FAIRMONT (TCD) | 96.0 | 99.0 | 73.3 | 89.4 |
| ZODIAC         | 88.0 | 99.0 | 80.0 | 89.0 |
| MVS-FRC-101    | 90.0 | 97.7 | 78.3 | 88.7 |
| IS-FRC-35      | 88.3 | 98.3 | 76.7 | 87.8 |
| INTRIGUE 2     | 94.7 | 99.0 | 66.7 | 86.8 |
| LACROSSE       | 96.0 | 99.0 | 61.7 | 85.6 |
| PSG 50C3       | 86.7 | 99.0 | 63.3 | 83.0 |
| CASCADE        | 89.7 | 97.7 | 50.0 | 79.1 |
| PST-4CSD       | 88.0 | 97.7 | 50.0 | 78.6 |
| LSD VALUE      | 10.3 | 2.3  | 20.9 | 7.8  |
| C.V. (%)       | 7.1  | 1.5  | 18.6 | 9.7  |

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

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

TABLE 16C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME      | CA1  | WA3  | WI1  | MEAN |
|-----------|------|------|------|------|
| PSG-5RM   | 99.0 | 97.7 | 73.3 | 90.0 |
| MVS-OS-1  | 96.3 | 97.7 | 73.3 | 89.1 |
| IS-FRR-51 | 96.0 | 97.7 | 70.0 | 87.9 |
| IS-FRR-62 | 88.3 | 99.0 | 73.3 | 86.9 |
| PST-48Y7  | 96.0 | 97.7 | 58.3 | 84.0 |
| EPIC      | 90.0 | 99.0 | 61.7 | 83.6 |
| ABERDEEN  | 93.0 | 97.7 | 56.7 | 82.4 |
| BOREAL    | 88.0 | 95.0 | 43.3 | 75.4 |
| LSD VALUE | 8.8  | 2.9  | 28.1 | 9.9  |
| C.V. (%)  | 5.9  | 1.9  | 27.4 | 12.5 |

TABLE 16D. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME                  | CA1  | WA3  | WI1  | MEAN |
|-----------------------|------|------|------|------|
| PST-4HES              | 96.0 | 97.7 | 36.7 | 76.8 |
| Z6300                 | 96.0 | 99.0 | 33.3 | 76.1 |
| SPARTAN II            | 93.0 | 96.3 | 36.7 | 75.3 |
| NC-HF1                | 96.0 | 99.0 | 30.0 | 75.0 |
| GOTHAM                | 99.0 | 97.7 | 23.3 | 73.3 |
| BIGHORN GT (PST-4BU3) | 96.3 | 93.0 | 26.7 | 72.0 |
| LSD VALUE             | 7.0  | 4.3  | 30.6 | 10.5 |
| C.V. (%)              | 4.5  | 2.8  | 61.1 | 15.2 |

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

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

TABLE 17A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME                  | IL1  | PA1  | WI1  | MEAN |
|-----------------------|------|------|------|------|
| TREAZURE II           | 93.3 | 99.0 | 97.0 | 96.4 |
| ZODIAC                | 92.7 | 98.7 | 94.7 | 95.3 |
| IS-FRR-62             | 93.3 | 99.0 | 93.3 | 95.2 |
| IS-FRC-35             | 97.7 | 96.0 | 90.0 | 94.6 |
| INTRIGUE 2            | 94.7 | 97.7 | 89.3 | 93.9 |
| MVS-OS-1              | 93.3 | 97.7 | 90.0 | 93.7 |
| IS-FRC-33             | 90.0 | 97.7 | 90.0 | 92.6 |
| IS-FRR-51             | 88.3 | 99.0 | 90.0 | 92.4 |
| PSG-5RM               | 90.0 | 99.0 | 88.3 | 92.4 |
| PST-4CSD              | 85.0 | 96.3 | 86.7 | 89.3 |
| PST-48Y7              | 80.0 | 99.0 | 86.7 | 88.6 |
| LACROSSE              | 80.0 | 98.7 | 86.7 | 88.4 |
| EPIC                  | 83.3 | 99.0 | 80.0 | 87.4 |
| FAIRMONT (TCD)        | 88.3 | 93.3 | 80.7 | 87.4 |
| ABERDEEN              | 81.7 | 96.0 | 81.7 | 86.4 |
| MVS-FRC-101           | 85.0 | 89.3 | 85.0 | 86.4 |
| PSG 50C3              | 91.3 | 88.0 | 80.0 | 86.4 |
| CASCADE               | 90.0 | 93.0 | 75.0 | 86.0 |
| BOREAL                | 75.0 | 97.7 | 75.0 | 82.6 |
| PST-4HES              | 53.3 | 99.0 | 65.0 | 72.4 |
| Z6300                 | 46.7 | 99.0 | 60.0 | 68.6 |
| NC-HF1                | 43.3 | 97.7 | 63.3 | 68.1 |
| GOTHAM                | 50.0 | 99.0 | 50.0 | 66.3 |
| SPARTAN II            | 31.7 | 99.0 | 66.7 | 65.8 |
| BIGHORN GT (PST-4BU3) | 41.7 | 99.0 | 53.3 | 64.7 |
| LSD VALUE             | 16.0 | 5.3  | 18.6 | 8.4  |
| C.V. (%)              | 12.8 | 3.4  | 14.5 | 10.6 |

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

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

TABLE 17B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME           | IL1  | PA1  | WI1  | MEAN |
|----------------|------|------|------|------|
| TREAZURE II    | 93.3 | 99.0 | 97.0 | 96.4 |
| ZODIAC         | 92.7 | 98.7 | 94.7 | 95.3 |
| IS-FRC-35      | 97.7 | 96.0 | 90.0 | 94.6 |
| INTRIGUE 2     | 94.7 | 97.7 | 89.3 | 93.9 |
| IS-FRC-33      | 90.0 | 97.7 | 90.0 | 92.6 |
| PST-4CSD       | 85.0 | 96.3 | 86.7 | 89.3 |
| LACROSSE       | 80.0 | 98.7 | 86.7 | 88.4 |
| FAIRMONT (TCD) | 88.3 | 93.3 | 80.7 | 87.4 |
| MVS-FRC-101    | 85.0 | 89.3 | 85.0 | 86.4 |
| PSG 50C3       | 91.3 | 88.0 | 80.0 | 86.4 |
| CASCADE        | 90.0 | 93.0 | 75.0 | 86.0 |
| LSD VALUE      | 14.9 | 7.4  | 14.3 | 7.3  |
| C.V. (%)       | 10.3 | 4.8  | 10.2 | 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 17C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME      | IL1  | PA1  | WI1  | MEAN |
|-----------|------|------|------|------|
| IS-FRR-62 | 93.3 | 99.0 | 93.3 | 95.2 |
| MVS-OS-1  | 93.3 | 97.7 | 90.0 | 93.7 |
| IS-FRR-51 | 88.3 | 99.0 | 90.0 | 92.4 |
| PSG-5RM   | 90.0 | 99.0 | 88.3 | 92.4 |
| PST-48Y7  | 80.0 | 99.0 | 86.7 | 88.6 |
| EPIC      | 83.3 | 99.0 | 80.0 | 87.4 |
| ABERDEEN  | 81.7 | 96.0 | 81.7 | 86.4 |
| BOREAL    | 75.0 | 97.7 | 75.0 | 82.6 |
| LSD VALUE | 11.6 | 3.5  | 14.6 | 6.3  |
| C.V. (%)  | 8.4  | 2.2  | 10.6 | 7.6  |

TABLE 17D. PERCENT LIVING GROUND COVER (FALL) RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME                  | IL1  | PA1  | WI1  | MEAN |
|-----------------------|------|------|------|------|
| PST-4HES              | 53.3 | 99.0 | 65.0 | 72.4 |
| Z6300                 | 46.7 | 99.0 | 60.0 | 68.6 |
| NC-HF1                | 43.3 | 97.7 | 63.3 | 68.1 |
| GOTHAM                | 50.0 | 99.0 | 50.0 | 66.3 |
| SPARTAN II            | 31.7 | 99.0 | 66.7 | 65.8 |
| BIGHORN GT (PST-4BU3) | 41.7 | 99.0 | 53.3 | 64.7 |
| LSD VALUE             | 21.9 | 1.5  | 28.1 | 11.9 |
| C.V. (%)              | 30.7 | 1.0  | 29.2 | 18.9 |

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 18A. WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | WA3  |
|-----------------------|------|
| MVS-OS-1              | 7.0  |
| PSG 50C3              | 7.0  |
| CASCADE               | 6.7  |
| INTRIGUE 2            | 6.7  |
| IS-FRC-35             | 6.7  |
| MVS-FRC-101           | 6.7  |
| LACROSSE              | 6.3  |
| PST-4CSD              | 6.3  |
| FAIRMONT (TCD)        | 6.3  |
| ABERDEEN              | 6.0  |
| ZODIAC                | 6.0  |
| BOREAL                | 5.7  |
| EPIC                  | 5.7  |
| IS-FRR-62             | 5.7  |
| PST-48Y7              | 5.7  |
| BIGHORN GT (PST-4BU3) | 5.3  |
| IS-FRC-33             | 5.3  |
| NC-HF1                | 5.3  |
| GOTHAM                | 5.0  |
| IS-FRR-51             | 5.0  |
| PST-4HES              | 5.0  |
| SPARTAN II            | 5.0  |
| TREAZURE II           | 5.0  |
| PSG-5RM               | 4.7  |
| Z6300                 | 4.0  |
| LSD VALUE             | 1.7  |
| C.V. (%)              | 18.0 |

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 18B. WINTER COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME           | WA3  |
|----------------|------|
| PSG 50C3       | 7.0  |
| CASCADE        | 6.7  |
| INTRIGUE 2     | 6.7  |
| IS-FRC-35      | 6.7  |
| MVS-FRC-101    | 6.7  |
| FAIRMONT (TCD) | 6.3  |
| LACROSSE       | 6.3  |
| PST-4CSD       | 6.3  |
| ZODIAC         | 6.0  |
| IS-FRC-33      | 5.3  |
| TREAZURE II    | 5.0  |
| LSD VALUE      | 1.6  |
| C.V. (%)       | 15.7 |

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

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

TABLE 18C. WINTER COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME      | WA3  |
|-----------|------|
| MVS-OS-1  | 7.0  |
| ABERDEEN  | 6.0  |
| BOREAL    | 5.7  |
| EPIC      | 5.7  |
| IS-FRR-62 | 5.7  |
| PST-48Y7  | 5.7  |
| IS-FRR-51 | 5.0  |
| PSG-5RM   | 4.7  |
| LSD VALUE | 1.6  |
| C.V. (%)  | 17.3 |

TABLE 18D. WINTER COLOR RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | WA3  |
|-----------------------|------|
| BIGHORN GT (PST-4BU3) | 5.3  |
| NC-HF1                | 5.3  |
| GOTHAM                | 5.0  |
| PST-4HES              | 5.0  |
| SPARTAN II            | 5.0  |
| Z6300                 | 4.0  |
| LSD VALUE             | 1.9  |
| C.V. (%)              | 24.3 |

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 19A. RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | VA1  |
|-----------------------|------|
| PSG 50C3              | 9.0  |
| PST-4HES              | 9.0  |
| IS-FRC-33             | 8.7  |
| MVS-FRC-101           | 8.7  |
| PSG-5RM               | 8.7  |
| SPARTAN II            | 8.7  |
| FAIRMONT (TCD)        | 8.7  |
| BIGHORN GT (PST-4BU3) | 8.0  |
| IS-FRC-35             | 8.0  |
| NC-HF1                | 8.0  |
| PST-48Y7              | 8.0  |
| Z6300                 | 8.0  |
| LACROSSE              | 7.7  |
| CASCADE               | 7.3  |
| IS-FRR-62             | 7.3  |
| PST-4CSD              | 7.3  |
| TREAZURE II           | 7.3  |
| INTRIGUE 2            | 7.0  |
| ZODIAC                | 7.0  |
| GOTHAM                | 5.7  |
| IS-FRR-51             | 5.7  |
| MVS-OS-1              | 5.7  |
| ABERDEEN              | 4.7  |
| BOREAL                | 4.7  |
| EPIC                  | 3.3  |
| LSD VALUE             | 2.5  |
| C.V. (%)              | 21.5 |

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

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

TABLE 19B. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME           | VA1  |
|----------------|------|
| PSG 50C3       | 9.0  |
| FAIRMONT (TCD) | 8.7  |
| IS-FRC-33      | 8.7  |
| MVS-FRC-101    | 8.7  |
| IS-FRC-35      | 8.0  |
| LACROSSE       | 7.7  |
| CASCADE        | 7.3  |
| PST-4CSD       | 7.3  |
| TREAZURE II    | 7.3  |
| INTRIGUE 2     | 7.0  |
| ZODIAC         | 7.0  |
| LSD VALUE      | 2.2  |
| C.V. (%)       | 17.7 |

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 19C. RED THREAD RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME      | VA1  |
|-----------|------|
| PSG-5RM   | 8.7  |
| PST-48Y7  | 8.0  |
| IS-FRR-62 | 7.3  |
| IS-FRR-51 | 5.7  |
| MVS-0S-1  | 5.7  |
| ABERDEEN  | 4.7  |
| BOREAL    | 4.7  |
| EPIC      | 3.3  |
| LSD VALUE | 2.6  |
| C.V. (%)  | 26.6 |

TABLE 19D. RED THREAD RATINGS OF HARD FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | VA1  |
|-----------------------|------|
| PST-4HES              | 9.0  |
| SPARTAN II            | 8.7  |
| BIGHORN GT (PST-4BU3) | 8.0  |
| NC-HF1                | 8.0  |
| Z6300                 | 8.0  |
| GOTHAM                | 5.7  |
| LSD VALUE             | 2.9  |
| C.V. (%)              | 22.9 |

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 20A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | VA1  |
|-----------------------|------|
| GOTHAM                | 9.0  |
| IS-FRC-33             | 9.0  |
| LACROSSE              | 9.0  |
| PST-48Y7              | 9.0  |
| SPARTAN II            | 9.0  |
| FAIRMONT (TCD)        | 9.0  |
| TREAZURE II           | 9.0  |
| ZODIAC                | 9.0  |
| PSG 50C3              | 8.7  |
| BIGHORN GT (PST-4BU3) | 8.3  |
| MVS-FRC-101           | 8.3  |
| PSG-5RM               | 8.3  |
| PST-4HES              | 8.3  |
| NC-HF1                | 8.0  |
| PST-4CSD              | 8.0  |
| ABERDEEN              | 7.7  |
| CASCADE               | 7.7  |
| INTRIGUE 2            | 7.7  |
| IS-FRC-35             | 7.3  |
| IS-FRR-62             | 7.3  |
| Z6300                 | 7.3  |
| MVS-OS-1              | 6.7  |
| BOREAL                | 6.3  |
| IS-FRR-51             | 6.0  |
| EPIC                  | 5.7  |
| LSD VALUE             | 2.5  |
| C.V. (%)              | 19.8 |

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

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

TABLE 20B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME           | VA1  |
|----------------|------|
| FAIRMONT (TCD) | 9.0  |
| IS-FRC-33      | 9.0  |
| LACROSSE       | 9.0  |
| TREAZURE II    | 9.0  |
| ZODIAC         | 9.0  |
| PSG 50C3       | 8.7  |
| MVS-FRC-101    | 8.3  |
| PST-4CSD       | 8.0  |
| CASCADE        | 7.7  |
| INTRIGUE 2     | 7.7  |
| IS-FRC-35      | 7.3  |
| LSD VALUE      | 2.2  |
| C.V. (%)       | 15.9 |

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 20C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF STRONG CREEPING RED CULTIVARS 1/  
2009 DATA

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

| NAME      | VA1  |
|-----------|------|
| PST-48Y7  | 9.0  |
| PSG-5RM   | 8.3  |
| ABERDEEN  | 7.7  |
| IS-FRR-62 | 7.3  |
| MVS-0S-1  | 6.7  |
| BOREAL    | 6.3  |
| IS-FRR-51 | 6.0  |
| EPIC      | 5.7  |
| LSD VALUE | 3.2  |
| C.V. (%)  | 27.6 |

TABLE 20D. BROWN PATCH (WARM TEMPERATURE) RATINGS OF HARD CULTIVARS 1/  
2009 DATA

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

| NAME                  | VA1  |
|-----------------------|------|
| GOTHAM                | 9.0  |
| SPARTAN II            | 9.0  |
| BIGHORN GT (PST-4BU3) | 8.3  |
| PST-4HES              | 8.3  |
| NC-HF1                | 8.0  |
| Z6300                 | 7.3  |
| LSD VALUE             | 2.3  |
| C.V. (%)              | 17.0 |

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

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



TABLE 21A. MOWING QUALITY RATINGS OF FESCUE CULTIVARS 1/  
2009 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

| NAME                  | WA3  |
|-----------------------|------|
| GOTHAM                | 7.7  |
| SPARTAN II            | 7.7  |
| TREAZURE II           | 7.3  |
| Z6300                 | 7.3  |
| NC-HF1                | 7.0  |
| PST-4HES              | 7.0  |
| ZODIAC                | 6.7  |
| BIGHORN GT (PST-4BU3) | 6.0  |
| IS-FRC-33             | 6.0  |
| IS-FRC-35             | 6.0  |
| CASCADE               | 5.7  |
| INTRIGUE 2            | 5.7  |
| LACROSSE              | 5.3  |
| PSG-5RM               | 5.3  |
| EPIC                  | 5.0  |
| PST-48Y7              | 5.0  |
| IS-FRR-51             | 4.7  |
| IS-FRR-62             | 4.7  |
| PST-4CSD              | 4.7  |
| BOREAL                | 4.3  |
| PSG 50C3              | 4.3  |
| MVS-FRC-101           | 4.0  |
| FAIRMONT (TCD)        | 4.0  |
| ABERDEEN              | 2.7  |
| MVS-OS-1              | 2.0  |
| LSD VALUE             | 2.4  |
| C.V. (%)              | 27.3 |

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

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

TABLE 21B. MOWING QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

| NAME           | WA3  |
|----------------|------|
| TREAZURE II    | 7.3  |
| ZODIAC         | 6.7  |
| IS-FRC-33      | 6.0  |
| IS-FRC-35      | 6.0  |
| CASCADE        | 5.7  |
| INTRIGUE 2     | 5.7  |
| LACROSSE       | 5.3  |
| PST-4CSD       | 4.7  |
| PSG 50C3       | 4.3  |
| FAIRMONT (TCD) | 4.0  |
| MVS-FRC-101    | 4.0  |
| LSD VALUE      | 2.5  |
| C.V. (%)       | 28.5 |

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 21C. MOWING QUALITY RATINGS OF STRONG CREEPING RED CULTIVARS 1/  
2009 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

| NAME      | WA3  |
|-----------|------|
| PSG-5RM   | 5.3  |
| EPIC      | 5.0  |
| PST-48Y7  | 5.0  |
| IS-FRR-51 | 4.7  |
| IS-FRR-62 | 4.7  |
| BOREAL    | 4.3  |
| ABERDEEN  | 2.7  |
| MVS-0S-1  | 2.0  |
| LSD VALUE | 2.0  |
| C.V. (%)  | 29.9 |

TABLE 21D. MOWING QUALITY RATINGS OF HARD CULTIVARS 1/  
2009 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

| NAME                  | WA3  |
|-----------------------|------|
| GOTHAM                | 7.7  |
| SPARTAN II            | 7.7  |
| Z6300                 | 7.3  |
| NC-HF1                | 7.0  |
| PST-4HES              | 7.0  |
| BIGHORN GT (PST-4BU3) | 6.0  |
| LSD VALUE             | 2.6  |
| C.V. (%)              | 23.0 |

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

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

TABLE 22A. PERCENT ESTABLISHMENT RATINGS OF FESCUE CULTIVARS 1/  
2008 DATA 2/

| NAME                  | CA1  | IL1  | MN1  | NJ2  | UT1  | WI1  | MEAN |
|-----------------------|------|------|------|------|------|------|------|
| IS-FRR-51             | 93.0 | 70.0 | 80.0 | 85.0 | 66.7 | 88.3 | 80.5 |
| ZODIAC                | 83.3 | 60.0 | 81.7 | 91.3 | 66.7 | 96.3 | 79.9 |
| FAIRMONT (TCD)        | 89.7 | 63.3 | 83.3 | 85.0 | 66.7 | 90.0 | 79.7 |
| IS-FRC-35             | 86.7 | 70.0 | 83.3 | 83.3 | 66.7 | 86.7 | 79.4 |
| EPIC                  | 81.7 | 60.0 | 88.3 | 86.3 | 63.3 | 94.7 | 79.1 |
| MVS-FRC-101           | 83.3 | 63.3 | 88.3 | 91.3 | 56.7 | 88.3 | 78.6 |
| IS-FRC-33             | 89.7 | 63.3 | 86.7 | 88.0 | 53.3 | 88.3 | 78.2 |
| INTRIGUE 2            | 89.7 | 56.7 | 80.0 | 88.0 | 63.3 | 88.3 | 77.7 |
| TREAZURE II           | 84.7 | 53.3 | 85.0 | 88.0 | 63.3 | 88.3 | 77.1 |
| PSG-5RM               | 99.0 | 50.0 | 88.3 | 85.0 | 53.3 | 83.3 | 76.5 |
| CASCADE               | 90.0 | 50.0 | 83.3 | 95.0 | 50.0 | 88.3 | 76.1 |
| ABERDEEN              | 91.3 | 43.3 | 85.0 | 86.7 | 63.3 | 86.7 | 76.1 |
| MVS-OS-1              | 93.0 | 50.0 | 81.7 | 81.7 | 63.3 | 86.7 | 76.1 |
| LACROSSE              | 92.7 | 33.3 | 83.3 | 93.3 | 63.3 | 88.3 | 75.7 |
| IS-FRR-62             | 81.7 | 56.7 | 86.7 | 80.0 | 56.7 | 88.3 | 75.0 |
| PSG 50C3              | 88.0 | 46.7 | 88.3 | 85.0 | 56.7 | 83.3 | 74.7 |
| PST-48Y7              | 83.3 | 53.3 | 73.3 | 75.0 | 53.3 | 80.0 | 69.7 |
| GOTHAM                | 96.0 | 40.0 | 58.3 | 83.3 | 56.7 | 73.3 | 67.9 |
| SPARTAN II            | 89.7 | 36.7 | 61.7 | 83.3 | 46.7 | 75.0 | 65.5 |
| PST-4CSD              | 83.3 | 43.3 | 65.0 | 80.0 | 43.3 | 76.7 | 65.3 |
| Z6300                 | 84.7 | 40.0 | 73.3 | 81.7 | 50.0 | 60.0 | 64.9 |
| BOREAL                | 83.3 | 36.7 | 56.7 | 68.3 | 50.0 | 73.3 | 61.4 |
| BIGHORN GT (PST-4BU3) | 99.0 | 28.3 | 56.7 | 80.0 | 43.3 | 60.0 | 61.2 |
| PST-4HES              | 83.3 | 38.3 | 48.3 | 83.3 | 50.0 | 60.0 | 60.6 |
| NC-HF1                | 93.0 | 36.7 | 55.0 | 65.0 | 46.7 | 63.3 | 59.9 |
| LSD VALUE             | 12.8 | 17.6 | 10.8 | 15.0 | 18.5 | 10.9 | 5.9  |
| C.V. (%)              | 9.0  | 22.0 | 8.9  | 11.1 | 20.3 | 8.3  | 12.5 |

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

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

TABLE 22B. PERCENT ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
2009 DATA 2/

| NAME           | CA1  | IL1  | MN1  | NJ2  | UT1  | WI1  | MEAN |
|----------------|------|------|------|------|------|------|------|
| ZODIAC         | 83.3 | 60.0 | 81.7 | 91.3 | 66.7 | 96.3 | 79.9 |
| FAIRMONT (TCD) | 89.7 | 63.3 | 83.3 | 85.0 | 66.7 | 90.0 | 79.7 |
| IS-FRC-35      | 86.7 | 70.0 | 83.3 | 83.3 | 66.7 | 86.7 | 79.4 |
| MVS-FRC-101    | 83.3 | 63.3 | 88.3 | 91.3 | 56.7 | 88.3 | 78.6 |
| IS-FRC-33      | 89.7 | 63.3 | 86.7 | 88.0 | 53.3 | 88.3 | 78.2 |
| INTRIGUE 2     | 89.7 | 56.7 | 80.0 | 88.0 | 63.3 | 88.3 | 77.7 |
| TREAZURE II    | 84.7 | 53.3 | 85.0 | 88.0 | 63.3 | 88.3 | 77.1 |
| CASCADE        | 90.0 | 50.0 | 83.3 | 95.0 | 50.0 | 88.3 | 76.1 |
| LACROSSE       | 92.7 | 33.3 | 83.3 | 93.3 | 63.3 | 88.3 | 75.7 |
| PSG 50C3       | 88.0 | 46.7 | 88.3 | 85.0 | 56.7 | 83.3 | 74.7 |
| PST-4CSD       | 83.3 | 43.3 | 65.0 | 80.0 | 43.3 | 76.7 | 65.3 |
| LSD VALUE      | 15.2 | 17.3 | 9.9  | 15.4 | 19.6 | 8.5  | 6.1  |
| C.V. (%)       | 10.8 | 19.6 | 7.5  | 10.9 | 20.6 | 6.0  | 12.0 |

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

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

TABLE 22C. PERCENT ESTABLISHMENT RATINGS OF STRONG CREEPING RED CULTIVARS 1/  
2008 DATA 2/

| NAME      | CA1  | IL1  | MN1  | NJ2  | UT1  | WI1  | MEAN |
|-----------|------|------|------|------|------|------|------|
| IS-FRR-51 | 93.0 | 70.0 | 80.0 | 85.0 | 66.7 | 88.3 | 80.5 |
| EPIC      | 81.7 | 60.0 | 88.3 | 86.3 | 63.3 | 94.7 | 79.1 |
| PSG-5RM   | 99.0 | 50.0 | 88.3 | 85.0 | 53.3 | 83.3 | 76.5 |
| ABERDEEN  | 91.3 | 43.3 | 85.0 | 86.7 | 63.3 | 86.7 | 76.1 |
| MVS-OS-1  | 93.0 | 50.0 | 81.7 | 81.7 | 63.3 | 86.7 | 76.1 |
| IS-FRR-62 | 81.7 | 56.7 | 86.7 | 80.0 | 56.7 | 88.3 | 75.0 |
| PST-48Y7  | 83.3 | 53.3 | 73.3 | 75.0 | 53.3 | 80.0 | 69.7 |
| BOREAL    | 83.3 | 36.7 | 56.7 | 68.3 | 50.0 | 73.3 | 61.4 |
| LSD VALUE | 9.6  | 14.3 | 8.5  | 16.0 | 13.1 | 8.9  | 4.9  |
| C.V. (%)  | 6.8  | 16.9 | 6.6  | 12.3 | 13.9 | 6.5  | 10.1 |

TABLE 22D. PERCENT ESTABLISHMENT RATINGS OF HARD CULTIVARS 1/  
2008 DATA 2/

| NAME                  | CA1  | IL1  | MN1  | NJ2  | UT1  | WI1  | MEAN |
|-----------------------|------|------|------|------|------|------|------|
| GOTHAM                | 96.0 | 40.0 | 58.3 | 83.3 | 56.7 | 73.3 | 67.9 |
| SPARTAN II            | 89.7 | 36.7 | 61.7 | 83.3 | 46.7 | 75.0 | 65.5 |
| Z6300                 | 84.7 | 40.0 | 73.3 | 81.7 | 50.0 | 60.0 | 64.9 |
| BIGHORN GT (PST-4BU3) | 99.0 | 28.3 | 56.7 | 80.0 | 43.3 | 60.0 | 61.2 |
| PST-4HES              | 83.3 | 38.3 | 48.3 | 83.3 | 50.0 | 60.0 | 60.6 |
| NC-HF1                | 93.0 | 36.7 | 55.0 | 65.0 | 46.7 | 63.3 | 59.9 |
| LSD VALUE             | 11.6 | 21.6 | 14.6 | 12.4 | 22.1 | 16.0 | 6.9  |
| C.V. (%)              | 7.9  | 36.6 | 15.4 | 9.7  | 28.1 | 15.2 | 16.6 |

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

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

TABLE 23A. PERCENT ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
 AT KINGSTON, RI 2/  
 2009 DATA

| NAME                  | SPRING | SUMMER | MEAN |
|-----------------------|--------|--------|------|
| CASCADE               | 83.3   | 90.0   | 86.7 |
| ZODIAC                | 86.7   | 83.3   | 85.0 |
| INTRIGUE 2            | 75.0   | 81.7   | 78.3 |
| IS-FRC-35             | 76.7   | 78.3   | 77.5 |
| FAIRMONT (TCD)        | 73.3   | 78.3   | 75.8 |
| IS-FRR-51             | 68.3   | 76.7   | 72.5 |
| GOTHAM                | 63.3   | 80.0   | 71.7 |
| MVS-FRC-101           | 76.7   | 65.0   | 70.8 |
| IS-FRC-33             | 61.7   | 78.3   | 70.0 |
| TREAZURE II           | 71.7   | 68.3   | 70.0 |
| ABERDEEN              | 53.3   | 85.0   | 69.2 |
| PST-4HES              | 50.0   | 88.3   | 69.2 |
| EPIC                  | 68.3   | 68.3   | 68.3 |
| LACROSSE              | 66.7   | 70.0   | 68.3 |
| IS-FRR-62             | 58.3   | 73.3   | 65.8 |
| MVS-OS-1              | 61.7   | 68.3   | 65.0 |
| SPARTAN II            | 60.0   | 68.3   | 64.2 |
| Z6300                 | 60.0   | 68.3   | 64.2 |
| BIGHORN GT (PST-4BU3) | 60.0   | 66.7   | 63.3 |
| PSG 50C3              | 58.3   | 66.7   | 62.5 |
| PST-48Y7              | 50.0   | 75.0   | 62.5 |
| PST-4CSD              | 53.3   | 68.3   | 60.8 |
| NC-HF1                | 50.0   | 60.0   | 55.0 |
| PSG-5RM               | 50.0   | 60.0   | 55.0 |
| BOREAL                | 55.0   | 40.0   | 47.5 |
| LSD VALUE             | 15.5   | 39.9   | 16.7 |
| C.V. (%)              | 14.3   | 21.3   | 13.3 |

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 23B. PERCENT ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
AT KINGSTON, RI 2/  
2009 DATA

| NAME           | SPRING | SUMMER | MEAN |
|----------------|--------|--------|------|
| CASCADE        | 83.3   | 90.0   | 86.7 |
| ZODIAC         | 86.7   | 83.3   | 85.0 |
| INTRIGUE 2     | 75.0   | 81.7   | 78.3 |
| IS-FRC-35      | 76.7   | 78.3   | 77.5 |
| FAIRMONT (TCD) | 73.3   | 78.3   | 75.8 |
| MVS-FRC-101    | 76.7   | 65.0   | 70.8 |
| IS-FRC-33      | 61.7   | 78.3   | 70.0 |
| TREAZURE II    | 71.7   | 68.3   | 70.0 |
| LACROSSE       | 66.7   | 70.0   | 68.3 |
| PSG 50C3       | 58.3   | 66.7   | 62.5 |
| PST-4CSD       | 53.3   | 68.3   | 60.8 |
| LSD VALUE      | 16.9   | 33.5   | 13.6 |
| C.V. (%)       | 12.9   | 17.5   | 10.1 |

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 23C. PERCENT ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
AT KINGSTON, RI 2/  
2009 DATA

| NAME      | SPRING | SUMMER | MEAN |
|-----------|--------|--------|------|
| IS-FRR-51 | 68.3   | 76.7   | 72.5 |
| ABERDEEN  | 53.3   | 85.0   | 69.2 |
| EPIC      | 68.3   | 68.3   | 68.3 |
| IS-FRR-62 | 58.3   | 73.3   | 65.8 |
| MVS-QS-1  | 61.7   | 68.3   | 65.0 |
| PST-48Y7  | 50.0   | 75.0   | 62.5 |
| PSG-5RM   | 50.0   | 60.0   | 55.0 |
| BOREAL    | 55.0   | 40.0   | 47.5 |
| LSD VALUE | 20.8   | 31.4   | 19.0 |
| C.V. (%)  | 16.2   | 22.0   | 14.4 |

TABLE 23D. PERCENT ESTABLISHMENT RATINGS OF HARD FESCUE CULTIVARS 1/  
AT KINGSTON, RI 2/  
2009 DATA

| NAME                  | SPRING | SUMMER | MEAN |
|-----------------------|--------|--------|------|
| GOTHAM                | 63.3   | 80.0   | 71.7 |
| PST-4HES              | 50.0   | 88.3   | 69.2 |
| SPARTAN II            | 60.0   | 68.3   | 64.2 |
| Z6300                 | 60.0   | 68.3   | 64.2 |
| BIGHORN GT (PST-4BU3) | 60.0   | 66.7   | 63.3 |
| NC-HF1                | 50.0   | 60.0   | 55.0 |
| LSD VALUE             | 18.4   | 35.0   | 21.9 |
| C.V. (%)              | 14.2   | 21.3   | 14.5 |

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 24A. PERCENT ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
AT BLACKSBURG, VA 2/  
2008 DATA

| NAME                  | 6 WEEKS | 10 WEEKS | MEAN |
|-----------------------|---------|----------|------|
| CASCADE               | 58.3    | 81.7     | 70.0 |
| Z6300                 | 56.7    | 78.3     | 67.5 |
| INTRIGUE 2            | 56.7    | 75.0     | 65.8 |
| LACROSSE              | 56.7    | 73.3     | 65.0 |
| MVS-FRC-101           | 55.0    | 75.0     | 65.0 |
| EPIC                  | 53.3    | 75.0     | 64.2 |
| SPARTAN II            | 51.7    | 76.7     | 64.2 |
| GOTHAM                | 51.7    | 73.3     | 62.5 |
| PSG 50C3              | 51.7    | 73.3     | 62.5 |
| PSG-5RM               | 50.0    | 75.0     | 62.5 |
| TREAZURE II           | 48.3    | 76.7     | 62.5 |
| IS-FRR-62             | 50.0    | 71.7     | 60.8 |
| MVS-OS-1              | 48.3    | 73.3     | 60.8 |
| PST-4HES              | 50.0    | 71.7     | 60.8 |
| ZODIAC                | 45.0    | 76.7     | 60.8 |
| IS-FRR-51             | 50.0    | 68.3     | 59.2 |
| PST-48Y7              | 46.7    | 71.7     | 59.2 |
| BOREAL                | 48.3    | 68.3     | 58.3 |
| FAIRMONT (TCD)        | 46.7    | 70.0     | 58.3 |
| PST-4CSD              | 45.0    | 70.0     | 57.5 |
| ABERDEEN              | 45.0    | 68.3     | 56.7 |
| BIGHORN GT (PST-4BU3) | 45.0    | 68.3     | 56.7 |
| NC-HF1                | 45.0    | 68.3     | 56.7 |
| IS-FRC-33             | 45.0    | 66.7     | 55.8 |
| IS-FRC-35             | 40.0    | 66.7     | 53.3 |
| LSD VALUE             | 14.0    | 24.0     | 16.5 |
| C.V. (%)              | 12.3    | 10.0     | 9.9  |

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

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

TABLE 24B. PERCENT ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
AT BLACKSBURG, VA 2/  
2008 DATA

| NAME           | 6 WEEKS | 10 WEEKS | MEAN |
|----------------|---------|----------|------|
| CASCADE        | 58.3    | 81.7     | 70.0 |
| INTRIGUE 2     | 56.7    | 75.0     | 65.8 |
| LACROSSE       | 56.7    | 73.3     | 65.0 |
| MVS-FRC-101    | 55.0    | 75.0     | 65.0 |
| PSG 50C3       | 51.7    | 73.3     | 62.5 |
| TREAZURE II    | 48.3    | 76.7     | 62.5 |
| ZODIAC         | 45.0    | 76.7     | 60.8 |
| FAIRMONT (TCD) | 46.7    | 70.0     | 58.3 |
| PST-4CSD       | 45.0    | 70.0     | 57.5 |
| IS-FRC-33      | 45.0    | 66.7     | 55.8 |
| IS-FRC-35      | 40.0    | 66.7     | 53.3 |
| LSD VALUE      | 12.8    | 17.6     | 12.8 |
| C.V. (%)       | 12.9    | 9.7      | 9.6  |

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

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

TABLE 24C. PERCENT ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
AT BLACKSBURG, VA 2/  
2008 DATA

| NAME      | 6 WEEKS | 10 WEEKS | MEAN |
|-----------|---------|----------|------|
| EPIC      | 53.3    | 75.0     | 64.2 |
| PSG-5RM   | 50.0    | 75.0     | 62.5 |
| IS-FRR-62 | 50.0    | 71.7     | 60.8 |
| MVS-OS-1  | 48.3    | 73.3     | 60.8 |
| IS-FRR-51 | 50.0    | 68.3     | 59.2 |
| PST-48Y7  | 46.7    | 71.7     | 59.2 |
| BOREAL    | 48.3    | 68.3     | 58.3 |
| ABERDEEN  | 45.0    | 68.3     | 56.7 |
| LSD VALUE | 15.6    | 19.3     | 16.0 |
| C.V. (%)  | 12.0    | 10.1     | 9.9  |

TABLE 24D. PERCENT ESTABLISHMENT RATINGS OF HARD FESCUE CULTIVARS 1/  
AT BLACKSBURG, VA 2/  
2008 DATA

| NAME                  | 6 WEEKS | 10 WEEKS | MEAN |
|-----------------------|---------|----------|------|
| Z6300                 | 56.7    | 78.3     | 67.5 |
| SPARTAN II            | 51.7    | 76.7     | 64.2 |
| GOTHAM                | 51.7    | 73.3     | 62.5 |
| PST-4HES              | 50.0    | 71.7     | 60.8 |
| BIGHORN GT (PST-4BU3) | 45.0    | 68.3     | 56.7 |
| NC-HF1                | 45.0    | 68.3     | 56.7 |
| LSD VALUE             | 12.9    | 16.2     | 14.0 |
| C.V. (%)              | 11.7    | 9.5      | 10.0 |

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 25A. PERCENT ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS 1/  
AT PUYALLUP, WA 2/  
2008 DATA

| NAME                  | SEPTEMBER | NOVEMBER | MEAN |
|-----------------------|-----------|----------|------|
| ZODIAC                | 80.0      | 86.7     | 83.3 |
| TREAZURE II           | 73.3      | 85.0     | 79.2 |
| EPIC                  | 73.3      | 81.7     | 77.5 |
| INTRIGUE 2            | 70.0      | 85.0     | 77.5 |
| MVS-FRC-101           | 73.3      | 81.7     | 77.5 |
| GOTHAM                | 73.3      | 80.0     | 76.7 |
| CASCADE               | 63.3      | 88.3     | 75.8 |
| FAIRMONT (TCD)        | 73.3      | 78.3     | 75.8 |
| IS-FRC-35             | 66.7      | 81.7     | 74.2 |
| IS-FRR-62             | 66.7      | 80.0     | 73.3 |
| PSG 50C3              | 63.3      | 81.7     | 72.5 |
| SPARTAN II            | 66.7      | 76.7     | 71.7 |
| IS-FRC-33             | 63.3      | 76.7     | 70.0 |
| PSG-5RM               | 66.7      | 73.3     | 70.0 |
| IS-FRR-51             | 63.3      | 75.0     | 69.2 |
| LACROSSE              | 60.0      | 78.3     | 69.2 |
| MVS-OS-1              | 60.0      | 78.3     | 69.2 |
| PST-4CSD              | 56.7      | 80.0     | 68.3 |
| Z6300                 | 60.0      | 76.7     | 68.3 |
| BIGHORN GT (PST-4BU3) | 60.0      | 75.0     | 67.5 |
| ABERDEEN              | 66.7      | 66.7     | 66.7 |
| PST-4HES              | 60.0      | 71.7     | 65.8 |
| PST-48Y7              | 53.3      | 73.3     | 63.3 |
| NC-HF1                | 53.3      | 70.0     | 61.7 |
| BOREAL                | 46.7      | 66.7     | 56.7 |
| LSD VALUE             | 12.8      | 15.3     | 9.6  |
| C.V. (%)              | 11.2      | 9.0      | 7.7  |

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

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

TABLE 25B. PERCENT ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/  
AT PUYALLUP, WA 2/  
2008 DATA

| NAME           | SEPTEMBER | NOVEMBER | MEAN |
|----------------|-----------|----------|------|
| ZODIAC         | 80.0      | 86.7     | 83.3 |
| TREAZURE II    | 73.3      | 85.0     | 79.2 |
| INTRIGUE 2     | 70.0      | 85.0     | 77.5 |
| MVS-FRC-101    | 73.3      | 81.7     | 77.5 |
| CASCADE        | 63.3      | 88.3     | 75.8 |
| FAIRMONT (TCD) | 73.3      | 78.3     | 75.8 |
| IS-FRC-35      | 66.7      | 81.7     | 74.2 |
| PSG 50C3       | 63.3      | 81.7     | 72.5 |
| IS-FRC-33      | 63.3      | 76.7     | 70.0 |
| LACROSSE       | 60.0      | 78.3     | 69.2 |
| PST-4CSD       | 56.7      | 80.0     | 68.3 |
| LSD VALUE      | 20.3      | 20.8     | 14.8 |
| C.V. (%)       | 13.4      | 9.1      | 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 25C. PERCENT ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/  
AT PUYALLUP, WA 2/  
2008 DATA

| NAME      | SEPTEMBER | NOVEMBER | MEAN |
|-----------|-----------|----------|------|
| EPIC      | 73.3      | 81.7     | 77.5 |
| IS-FRR-62 | 66.7      | 80.0     | 73.3 |
| PSG-5RM   | 66.7      | 73.3     | 70.0 |
| IS-FRR-51 | 63.3      | 75.0     | 69.2 |
| MVS-OS-1  | 60.0      | 78.3     | 69.2 |
| ABERDEEN  | 66.7      | 66.7     | 66.7 |
| PST-48Y7  | 53.3      | 73.3     | 63.3 |
| BOREAL    | 46.7      | 66.7     | 56.7 |
| LSD VALUE | 8.7       | 15.7     | 7.8  |
| C.V. (%)  | 8.1       | 9.5      | 6.4  |

TABLE 25D. PERCENT ESTABLISHMENT RATINGS OF HARD CULTIVARS 1/  
AT PUYALLUP, WA 2/  
2008 DATA

| NAME                  | SEPTEMBER | NOVEMBER | MEAN |
|-----------------------|-----------|----------|------|
| GOTHAM                | 73.3      | 80.0     | 76.7 |
| SPARTAN II            | 66.7      | 76.7     | 71.7 |
| Z6300                 | 60.0      | 76.7     | 68.3 |
| BIGHORN GT (PST-4BU3) | 60.0      | 75.0     | 67.5 |
| PST-4HES              | 60.0      | 71.7     | 65.8 |
| NC-HF1                | 53.3      | 70.0     | 61.7 |
| LSD VALUE             | 11.1      | 11.0     | 8.0  |
| C.V. (%)              | 9.1       | 6.6      | 6.0  |

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 26A. WINTER INJURY RATINGS OF FESCUE CULTIVARS 1/  
2009 DATA

WINTER INJURY RATINGS 1-9; 9=NO INJURY 2/

| NAME                  | MN1  |
|-----------------------|------|
| ABERDEEN              | 9.0  |
| BIGHORN GT (PST-4BU3) | 9.0  |
| GOTHAM                | 9.0  |
| IS-FRR-51             | 9.0  |
| NC-HF1                | 9.0  |
| PSG-5RM               | 9.0  |
| PST-4HES              | 9.0  |
| SPARTAN II            | 9.0  |
| Z6300                 | 9.0  |
| IS-FRR-62             | 8.7  |
| MVS-OS-1              | 8.7  |
| PST-48Y7              | 8.3  |
| TREAZURE II           | 8.3  |
| BOREAL                | 7.7  |
| EPIC                  | 7.7  |
| INTRIGUE 2            | 7.3  |
| FAIRMONT (TCD)        | 7.0  |
| IS-FRC-33             | 6.7  |
| PSG 50C3              | 6.7  |
| LACROSSE              | 6.3  |
| IS-FRC-35             | 5.7  |
| MVS-FRC-101           | 5.7  |
| CASCADE               | 5.0  |
| ZODIAC                | 4.3  |
| PST-4CSD              | 2.3  |
| LSD VALUE             | 3.0  |
| C.V. (%)              | 25.3 |

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 26B. WINTER INJURY RATINGS OF CHEWINGS CULTIVARS 1/  
2009 DATA

WINTER INJURY RATINGS 1-9; 9=NO INJURY 2/

| NAME           | MN1  |
|----------------|------|
| TREAZURE II    | 8.3  |
| INTRIGUE 2     | 7.3  |
| FAIRMONT (TCD) | 7.0  |
| IS-FRC-33      | 6.7  |
| PSG 50C3       | 6.7  |
| LACROSSE       | 6.3  |
| IS-FRC-35      | 5.7  |
| MVS-FRC-101    | 5.7  |
| CASCADE        | 5.0  |
| ZODIAC         | 4.3  |
| PST-4CSD       | 2.3  |
| LSD VALUE      | 4.3  |
| C.V. (%)       | 44.8 |

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

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

TABLE 26C. WINTER INJURY RATINGS OF STRONG CREEPING RED CULTIVARS 1/  
2009 DATA

WINTER INJURY RATINGS 1-9; 9=NO INJURY 2/

| NAME      | MN1  |
|-----------|------|
| ABERDEEN  | 9.0  |
| IS-FRR-51 | 9.0  |
| PSG-5RM   | 9.0  |
| IS-FRR-62 | 8.7  |
| MVS-0S-1  | 8.7  |
| PST-48Y7  | 8.3  |
| BOREAL    | 7.7  |
| EPIC      | 7.7  |
| LSD VALUE | 1.9  |
| C.V. (%)  | 14.2 |

TABLE 26D. WINTER INJURY RATINGS OF HARD CULTIVARS 1/  
2009 DATA

WINTER INJURY RATINGS 1-9; 9=NO INJURY 2/

| NAME                  | MN1 |
|-----------------------|-----|
| BIGHORN GT (PST-4BU3) | 9   |
| GOTHAM                | 9   |
| NC-HF1                | 9   |
| PST-4HES              | 9   |
| SPARTAN II            | 9   |
| Z6300                 | 9   |
| LSD VALUE             | 0   |
| C.V. (%)              | 0   |

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

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

TABLE 27A. WINTER DENSITY RATINGS OF FESCUE CULTIVARS 1/  
2009 DATA

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

| NAME                  | WA3 |
|-----------------------|-----|
| CASCADE               | 9.0 |
| EPIC                  | 9.0 |
| MVS-FRC-101           | 9.0 |
| INTRIGUE 2            | 8.7 |
| MVS-OS-1              | 8.7 |
| ZODIAC                | 8.7 |
| IS-FRC-35             | 8.3 |
| PSG 50C3              | 8.3 |
| TREAZURE II           | 8.3 |
| Z6300                 | 8.3 |
| ABERDEEN              | 8.0 |
| BIGHORN GT (PST-4BU3) | 8.0 |
| IS-FRC-33             | 8.0 |
| PST-4HES              | 8.0 |
| FAIRMONT (TCD)        | 8.0 |
| BOREAL                | 7.7 |
| GOTHAM                | 7.7 |
| IS-FRR-51             | 7.7 |
| IS-FRR-62             | 7.7 |
| PST-48Y7              | 7.7 |
| PST-4CSD              | 7.7 |
| LACROSSE              | 7.3 |
| PSG-5RM               | 7.3 |
| SPARTAN II            | 7.3 |
| NC-HF1                | 7.0 |
| LSD VALUE             | 1.1 |
| C.V. (%)              | 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 27B. WINTER DENSITY RATINGS OF CHEWINGS CULTIVARS 1/  
2009 DATA

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

| NAME           | WA3 |
|----------------|-----|
| CASCADE        | 9.0 |
| MVS-FRC-101    | 9.0 |
| INTRIGUE 2     | 8.7 |
| ZODIAC         | 8.7 |
| IS-FRC-35      | 8.3 |
| PSG 50C3       | 8.3 |
| TREAZURE II    | 8.3 |
| FAIRMONT (TCD) | 8.0 |
| IS-FRC-33      | 8.0 |
| PST-4CSD       | 7.7 |
| LACROSSE       | 7.3 |
| LSD VALUE      | 0.9 |
| C.V. (%)       | 6.6 |

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 27C. WINTER DENSITY RATINGS OF STRONG CREEPING RED CULTIVARS 1/  
2009 DATA

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

| NAME      | WA3  |
|-----------|------|
| EPIC      | 9.0  |
| MVS-0S-1  | 8.7  |
| ABERDEEN  | 8.0  |
| BOREAL    | 7.7  |
| IS-FRR-51 | 7.7  |
| IS-FRR-62 | 7.7  |
| PST-48Y7  | 7.7  |
| PSG-5RM   | 7.3  |
| LSD VALUE | 1.4  |
| C.V. (%)  | 10.9 |

TABLE 27D. WINTER DENSITY RATINGS OF HARD CULTIVARS 1/  
2009 DATA

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

| NAME                  | WA3 |
|-----------------------|-----|
| Z6300                 | 8.3 |
| BIGHORN GT (PST-4BU3) | 8.0 |
| PST-4HES              | 8.0 |
| GOTHAM                | 7.7 |
| SPARTAN II            | 7.3 |
| NC-HF1                | 7.0 |
| LSD VALUE             | 0.9 |
| C.V. (%)              | 7.5 |

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

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

TABLE 28A. RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS  
AT PUYALLUP, WA 1/  
2009 DATA

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

| NAME                  | JUNE | SEPTEMBER | MEAN |
|-----------------------|------|-----------|------|
| PSG 50C3              | 9.0  | 7.7       | 8.3  |
| GOTHAM                | 8.3  | 8.0       | 8.2  |
| Z6300                 | 8.0  | 8.3       | 8.2  |
| NC-HF1                | 7.7  | 8.3       | 8.0  |
| FAIRMONT (TCD)        | 8.0  | 7.7       | 7.8  |
| IS-FRC-33             | 8.3  | 7.3       | 7.8  |
| PSG-5RM               | 8.3  | 7.3       | 7.8  |
| LACROSSE              | 8.3  | 7.0       | 7.7  |
| PST-4HES              | 7.7  | 7.7       | 7.7  |
| ZODIAC                | 7.7  | 7.7       | 7.7  |
| IS-FRC-35             | 8.0  | 7.0       | 7.5  |
| TREAZURE II           | 7.3  | 7.3       | 7.3  |
| IS-FRR-51             | 7.3  | 7.0       | 7.2  |
| BIGHORN GT (PST-4BU3) | 7.3  | 6.7       | 7.0  |
| EPIC                  | 6.3  | 7.7       | 7.0  |
| INTRIGUE 2            | 7.0  | 7.0       | 7.0  |
| IS-FRR-62             | 7.0  | 7.0       | 7.0  |
| PST-4CSD              | 7.3  | 6.7       | 7.0  |
| SPARTAN II            | 7.3  | 6.7       | 7.0  |
| MVS-FRC-101           | 7.7  | 6.0       | 6.8  |
| PST-48Y7              | 7.0  | 6.7       | 6.8  |
| ABERDEEN              | 6.7  | 6.3       | 6.5  |
| CASCADE               | 6.7  | 6.3       | 6.5  |
| MVS-OS-1              | 6.7  | 5.3       | 6.0  |
| BOREAL                | 4.0  | 4.0       | 4.0  |
| LSD VALUE             | 1.9  | 1.7       | 1.0  |
| C.V. (%)              | 13.6 | 13.3      | 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 28B. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS  
AT PUYALLUP, WA 1/  
2009 DATA

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

| NAME           | JUNE | SEPTEMBER | MEAN |
|----------------|------|-----------|------|
| PSG 50C3       | 9.0  | 7.7       | 8.3  |
| FAIRMONT (TCD) | 8.0  | 7.7       | 7.8  |
| IS-FRC-33      | 8.3  | 7.3       | 7.8  |
| LACROSSE       | 8.3  | 7.0       | 7.7  |
| ZODIAC         | 7.7  | 7.7       | 7.7  |
| IS-FRC-35      | 8.0  | 7.0       | 7.5  |
| TREAZURE II    | 7.3  | 7.3       | 7.3  |
| INTRIGUE 2     | 7.0  | 7.0       | 7.0  |
| PST-4CSD       | 7.3  | 6.7       | 7.0  |
| MVS-FRC-101    | 7.7  | 6.0       | 6.8  |
| CASCADE        | 6.7  | 6.3       | 6.5  |
| LSD VALUE      | 2.3  | 2.8       | 0.9  |
| C.V. (%)       | 12.5 | 14.7      | 6.8  |

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

TABLE 28C. RED THREAD RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS  
AT PUYALLUP, WA 1/  
2009 DATA

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

| NAME      | JUNE | SEPTEMBER | MEAN |
|-----------|------|-----------|------|
| PSG-5RM   | 8.3  | 7.3       | 7.8  |
| IS-FRR-51 | 7.3  | 7.0       | 7.2  |
| EPIC      | 6.3  | 7.7       | 7.0  |
| IS-FRR-62 | 7.0  | 7.0       | 7.0  |
| PST-48Y7  | 7.0  | 6.7       | 6.8  |
| ABERDEEN  | 6.7  | 6.3       | 6.5  |
| MVS-OS-1  | 6.7  | 5.3       | 6.0  |
| BOREAL    | 4.0  | 4.0       | 4.0  |
| LSD VALUE | 2.5  | 1.4       | 1.2  |
| C.V. (%)  | 18.5 | 12.7      | 10.7 |

TABLE 28D. RED THREAD RATINGS OF HARD FESCUE CULTIVARS  
AT PUYALLUP, WA 1/  
2009 DATA

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

| NAME                  | JUNE | SEPTEMBER | MEAN |
|-----------------------|------|-----------|------|
| GOTHAM                | 8.3  | 8.0       | 8.2  |
| Z6300                 | 8.0  | 8.3       | 8.2  |
| NC-HF1                | 7.7  | 8.3       | 8.0  |
| PST-4HES              | 7.7  | 7.7       | 7.7  |
| BIGHORN GT (PST-4BU3) | 7.3  | 6.7       | 7.0  |
| SPARTAN II            | 7.3  | 6.7       | 7.0  |
| LSD VALUE             | 2.0  | 1.6       | 1.4  |
| C.V. (%)              | 10.7 | 10.1      | 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.