

## **NATIONAL TURFGRASS EVALUATION PROGRAM**

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

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

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

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# A Guide to NTEP Turfgrass Ratings

## Introduction

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

## General Considerations

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

## Turfgrass Quality

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

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 2001 data, data from each location will be posted separately as well on the NTEP web site, <http://www.ntep.org>). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at <http://www.ntep.org/pdf/grandmean.mem.pdf>.

## Other Ratings

More detailed information on the ratings of specific characteristics can be found on the NTEP web site at <http://www.ntep.org/reports/ratings.htm>.

2014 NATIONAL BENTGRASS TEST  
(Fairway/Tee)

LOCATIONS SUBMITTING DATA FOR 2017

| State         | Location                            | Code |
|---------------|-------------------------------------|------|
| California    | Riverside (Reduced Irrigation)      | CA3  |
| Illinois      | Urbana                              | IL1  |
| Indiana       | West Lafayette (Reduced Irrigation) | IN1  |
| Iowa          | Ames                                | IA1  |
| Kansas        | Manhattan                           | KS1  |
| Kentucky      | Lexington                           | KY1  |
| Massachusetts | Amherst (Traffic)                   | MA1  |
| Maryland      | College Park                        | MD1  |
| Michigan      | East Lansing                        | MI1  |
| Missouri      | Columbia                            | MO1  |
| New Jersey    | North Brunswick                     | NJ1  |
| North Dakota  | Fargo (Winter Tolerance)            | ND1  |
| Utah          | Logan (Reduced Irrigation)          | UT1  |
| Virginia      | Blacksburg (Traffic)                | VA2  |
| Washington    | Pullman                             | WA1  |

2014 NATIONAL BENTGRASS TEST  
(Fairway/Tee)

Entries and Sponsors

| Entry No | Name                | Species  | Sponsor                                   |
|----------|---------------------|----------|---|
| 1        | DLFPS-AT/3026       | Colonial | DLF Pickseed USA                          |
| *2       | 007                 | Creeping | Standard                                  |
| *3       | Penncross           | Creeping | Standard                                  |
| *4       | Crystal Blue Links  | Creeping | Standard                                  |
| *5       | Greentime           | Colonial | Standard                                  |
| *6       | L-93XD              | Creeping | Jacklin Seed by Simplot®                  |
| *7       | Armor               | Creeping | Jacklin Seed by Simplot®                  |
| *8       | Kingdom             | Creeping | Jacklin Seed by Simplot®                  |
| *9       | Nightlife           | Creeping | Jacklin Seed by Simplot®                  |
| *10      | V-8                 | Creeping | Jacklin Seed by Simplot®                  |
| *11      | Piranha (DC-1)      | Creeping | Mountain View Seeds & Toyo Green Co. Ltd. |
| *12      | Musket (PPG-AT 104) | Colonial | Mountain View Seeds                       |
| *13      | Chinook (H10G-OP)   | Creeping | Vista Seed Partners LLC                   |
| *14      | Shark               | Creeping | Mountain View Seeds                       |
| *15      | Barracuda           | Creeping | Mountain View Seeds                       |
| 16       | PST-0RBS            | Creeping | Pure Seed Testing Inc                     |
| *17      | PC2.0 (PST-0CV6)    | Creeping | Tee-2-Green                               |

\* Commercially Available in the USA in 2018



TABLE A.

2017 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 2014 NATIONAL BENTGRASS (FAIRWAY/TEE) TEST

| LOCATION | SOIL TEXTURE        | SOIL PH | SOIL PHOSPHOROUS (LBS/ACRE) | SOIL POTASSIUM (LBS/ACRE) | NITROGEN (LBS/1000 SQ FT) | SUN OR SHADE | MOWING HEIGHT (IN) | IRRIGATION PRACTICED  |
|----------|---------------------|---------|-----------------------------|---------------------------|---------------------------|--------------|--------------------|---|
| CA3      | SANDY LOAM          | 7.1-7.5 | 0-60                        | 241-375                   | 2.1-3.0                   | FULL SUN     | 0.0-0.5            | ONLY DURING SEVERE STRESS<br>TO PREVENT STRESS<br>TO PREVENT STRESS |
| IA1      | SANDY CLAY LOAM     | 7.1-7.5 | 0-60                        | 0-150                     | 2.1-3.0                   | FULL SUN     | 0.0-0.5            |   |
| IL1      | SILT LOAM AND SILT  | 6.1-6.5 | 0-60                        | 376-500                   | 4.1-5.0                   | FULL SUN     | 0.0-0.5            |   |
| IN1      | SAND                | 7.6-8.5 | 61-150                      | 151-240                   | 3.1-4.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT DORMANCY   |
| KS1      | -                   | -       | -                           | -                         | -                         | -            | -                  | -   |
| KY1      | SILT LOAM AND SILT  | 4.6-5.5 | 451+                        | 241-375                   | 0.0-1.0                   | FULL SUN     | 0.6-1.0            | TO PREVENT STRESS   |
| MA1      | LOAM                | 5.6-6.0 | 0-60                        | 241-375                   | 2.1-3.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS   |
| MD1      | SILT LOAM AND SILT  | 6.1-6.5 | 61-150                      | 151-240                   | 3.1-4.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS   |
| MI1      | -                   | -       | -                           | -                         | -                         | -            | -                  | -   |
| MO1      | -                   | -       | -                           | -                         | -                         | -            | -                  | -   |
| ND1      | SILTY CLAY AND CLAY | 7.1-7.5 | 0-60                        | 151-240                   | 2.1-3.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT DORMANCY   |
| NJ1      | SANDY LOAM          | -       | -                           | -                         | 1.1-2.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS   |
| UT1      | SILT LOAM AND SILT  | 7.1-7.5 | 0-60                        | 0-150                     | -                         | FULL SUN     | 0.0-0.5            | TO PREVENT DORMANCY   |
| VA2      | SILTY CLAY LOAM     | 6.1-6.5 | 61-150                      | 151-240                   | 3.1-4.0                   | FULL SUN     | 0.6-1.0            | TO PREVENT DORMANCY   |
| WA1      | SILT LOAM AND SILT  | 5.6-6.0 | 451+                        | 501+                      | 2.1-3.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS   |

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 2017

| 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 | GENETIC<br>COLOR | SPRING<br>GREENUP | LEAF<br>TEXTURE |
|----------|------------------------------|-------------------------------|----------------------------|----------------------------|--------------------------|---------------------------|---------------------------|-----------------------------|--------------------------------|------------------------------|-------------------------------|-------------------------------|------------------|-------------------|-----------------|
| CA3      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             | X                |                   |                 |
| IA1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               | X                |                   |                 |
| IL1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               | X                | X                 |                 |
| IN1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               | X                |                   | X               |
| KS1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |                  |                   |                 |
| KY1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |                  |                   |                 |
| MA1      |                              |                               | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |                  | X                 |                 |
| MD1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |                  |                   |                 |
| MI1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               | X                | X                 |                 |
| MO1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               |                  |                   |                 |
| ND1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |                  |                   |                 |
| NJ1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |                  | X                 | X               |
| UT1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |                  | X                 |                 |
| VA2      |                              |                               |                            | X                          |                          | X                         | X                         | X                           | X                              |                              |                               |                               |                  |                   |                 |
| WA1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               | X                |                   |                 |

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 2017

| LOCATION | SUMMER DENSITY | FALL DENSITY | DOLLAR SPOT | BROWN PATCH WARM TEMP. | ANTHRACNOSE RATINGS | FALL COLOR NOVEMBER | FALL COLOR DECEMBER | SEEDHEAD RATINGS | POA ANNUA | MOW QUALITY | LEAF RUST | PERCENT DOLLAR SPOT |
|----------|----------------|--------------|-------------|------------------------|---------------------|---------------------|---------------------|------------------|-----------|-------------|-----------|---------------------|
| CA3      |                |              |             |                        |                     |                     |                     |                  |           |             |           |                     |
| IA1      |                |              | X           | X                      |                     |                     |                     |                  |           |             |           |                     |
| IL1      |                |              |             |                        |                     | X                   |                     |                  |           |             |           |                     |
| IN1      | X              |              |             |                        |                     |                     |                     |                  |           | X           |           |                     |
| KS1      |                |              |             |                        |                     |                     |                     |                  |           |             |           |                     |
| KY1      |                |              |             |                        |                     |                     |                     |                  |           |             |           |                     |
| MA1      |                |              |             |                        |                     |                     |                     |                  |           |             |           | X                   |
| MD1      |                |              | X           |                        |                     |                     |                     |                  |           |             |           |                     |
| MI1      |                |              |             |                        |                     | X                   |                     |                  |           |             |           |                     |
| MO1      |                |              |             |                        |                     |                     |                     |                  |           |             |           |                     |
| ND1      | X              | X            |             |                        |                     |                     |                     |                  |           |             |           |                     |
| NJ1      |                | X            | X           |                        | X                   | X                   |                     |                  |           |             |           |                     |
| UT1      |                |              |             |                        |                     |                     |                     |                  |           |             |           |                     |
| VA2      |                |              |             |                        |                     |                     |                     |                  |           |             |           |                     |
| WA1      |                |              |             |                        |                     |                     |                     |                  |           |             |           | X                   |

TABLE 1A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*\*/  
2017 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |         |     |     |     |     |     |     |      |
|--|---------|-----|-----|-----|-----|-----|-----|------|
| NAME   | ENTRY # | NJ1 | MD1 | KY1 | MI1 | IA1 | KS1 | MEAN |
| * CHINOOK (H10G-OP)                            |         | 7.3 | 7.1 | 7.9 | 6.7 | 6.5 | 6.4 | 7.0  |
| * PIRANHA (DC-1)                               | 13      | 7.3 | 7.7 | 7.6 | 6.4 | 5.9 | 5.8 | 6.8  |
| * BARRACUDA                                    | 11      | 6.5 | 6.8 | 7.7 | 6.5 | 6.2 | 5.9 | 6.6  |
| * SHARK  | 15      | 6.4 | 6.5 | 7.6 | 6.4 | 6.2 | 5.9 | 6.5  |
| * 007  | 14      | 6.2 | 6.5 | 7.7 | 6.5 | 6.3 | 5.9 | 6.5  |
| * V-8  | 2       | 6.2 | 6.1 | 7.7 | 6.5 | 6.4 | 6.0 | 6.5  |
| * L-93XD                                       | 10      | 6.6 | 6.9 | 7.4 | 6.2 | 5.9 | 5.6 | 6.4  |
| DLFPS-AT/3026                                  | 6       | 6.6 | 6.5 | 7.2 | 6.0 | 5.8 | 5.6 | 6.3  |
| * CRYSTAL BLUE LINKS                           | 1       | 5.4 | 5.4 | 7.8 | 6.6 | 6.6 | 6.0 | 6.3  |
| * MUSKET (PPG-AT 104)                          | 4       | 6.6 | 6.4 | 7.1 | 5.9 | 5.7 | 5.6 | 6.2  |
| * NIGHTLIFE                                    | 12      | 4.7 | 5.3 | 7.7 | 6.6 | 6.5 | 5.7 | 6.1  |
| * PC2.0 (PST-OCV6)                             | 9       | 4.5 | 5.1 | 7.5 | 6.3 | 6.3 | 5.5 | 5.9  |
| * GREENTIME                                    | 17      | 4.9 | 3.6 | 7.3 | 6.3 | 6.6 | 6.0 | 5.8  |
| * KINGDOM                                      | 5       | 3.9 | 4.7 | 7.6 | 6.5 | 6.4 | 5.5 | 5.8  |
| * ARMOR  | 8       | 3.8 | 4.3 | 7.5 | 6.4 | 6.5 | 5.5 | 5.7  |
| PST-ORBS                                       | 7       | 4.0 | 4.4 | 7.3 | 6.2 | 6.3 | 5.4 | 5.6  |
| * PENNCROSS                                    | 16      | 3.7 | 2.7 | 7.1 | 6.1 | 6.4 | 5.6 | 5.3  |
|  | 3       |     |     |     |     |     |     |      |
| LSD VALUE                                      |         | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8  |
| C.V. (%)                                       |         | 8.9 | 8.8 | 6.6 | 7.8 | 7.9 | 8.7 | 8.0  |

\*/ COMMERCIALLY AVAILABLE IN THE USA IN 2018

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

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

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

TABLE 1B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*/  
2017 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME               | NJ1 | MD1 | KY1 | MI1 | IA1 | KS1 | MEAN |
|--------------------|-----|-----|-----|-----|-----|-----|------|
| CHINOOK (H10G-OP)  | 7.3 | 7.1 | 7.9 | 6.7 | 6.5 | 6.4 | 7.0  |
| PIRANHA (DC-1)     | 7.3 | 7.7 | 7.6 | 6.4 | 5.9 | 5.8 | 6.8  |
| BARRACUDA          | 6.5 | 6.8 | 7.7 | 6.5 | 6.2 | 5.9 | 6.6  |
| SHARK              | 6.4 | 6.5 | 7.6 | 6.4 | 6.2 | 5.9 | 6.5  |
| 007                | 6.2 | 6.5 | 7.7 | 6.5 | 6.3 | 5.9 | 6.5  |
| V-8                | 6.2 | 6.1 | 7.7 | 6.5 | 6.4 | 6.0 | 6.5  |
| L-93XD             | 6.6 | 6.9 | 7.4 | 6.2 | 5.9 | 5.6 | 6.4  |
| CRYSTAL BLUE LINKS | 5.4 | 5.4 | 7.8 | 6.6 | 6.6 | 6.0 | 6.3  |
| NIGHTLIFE          | 4.7 | 5.3 | 7.7 | 6.6 | 6.5 | 5.7 | 6.1  |
| PC2.0 (PST-OCV6)   | 4.5 | 5.1 | 7.5 | 6.3 | 6.3 | 5.5 | 5.9  |
| KINGDOM            | 3.9 | 4.7 | 7.6 | 6.5 | 6.4 | 5.5 | 5.8  |
| ARMOR              | 3.8 | 4.3 | 7.5 | 6.4 | 6.5 | 5.5 | 5.7  |
| PST-ORBS           | 4.0 | 4.4 | 7.3 | 6.2 | 6.3 | 5.4 | 5.6  |
| PENNCROSS          | 3.7 | 2.7 | 7.1 | 6.1 | 6.4 | 5.6 | 5.3  |
| LSD VALUE          | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8  |
| C.V. (%)           | 9.1 | 8.8 | 6.6 | 7.7 | 7.9 | 8.7 | 8.0  |

TABLE 1C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*/  
2017 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

| NAME                | NJ1 | MD1 | KY1 | MI1 | IA1 | KS1 | MEAN |
|---------------------|-----|-----|-----|-----|-----|-----|------|
| DLFPS-AT/3026       | 6.6 | 6.5 | 7.2 | 6.0 | 5.8 | 5.6 | 6.3  |
| MUSKET (PPG-AT 104) | 6.6 | 6.4 | 7.1 | 5.9 | 5.7 | 5.6 | 6.2  |
| GREENTIME           | 4.9 | 3.6 | 7.3 | 6.3 | 6.6 | 6.0 | 5.8  |
| LSD VALUE           | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8  |
| C.V. (%)            | 8.2 | 9.0 | 6.9 | 8.2 | 8.3 | 8.7 | 8.2  |

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

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

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

TABLE 2A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
2017 DATA

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

| NAME                | IL1 | MO1 | WA1 | MEAN |
|---------------------|-----|-----|-----|------|
| NIGHTLIFE           | 7.8 | 6.0 | 7.0 | 6.9  |
| KINGDOM             | 7.8 | 6.0 | 7.1 | 6.9  |
| ARMOR               | 7.7 | 5.6 | 6.8 | 6.7  |
| PC2.0 (PST-OCV6)    | 7.5 | 5.7 | 6.6 | 6.6  |
| CRYSTAL BLUE LINKS  | 7.7 | 5.5 | 6.4 | 6.6  |
| 007                 | 7.4 | 5.8 | 6.3 | 6.6  |
| BARRACUDA           | 7.3 | 5.8 | 6.2 | 6.6  |
| PIRANHA (DC-1)      | 7.1 | 5.9 | 6.1 | 6.5  |
| PST-ORBS            | 7.5 | 5.4 | 6.5 | 6.5  |
| CHINOOK (H10G-OP)   | 7.4 | 5.4 | 5.8 | 6.4  |
| V-8                 | 7.4 | 5.4 | 6.0 | 6.4  |
| SHARK               | 7.3 | 5.4 | 6.0 | 6.3  |
| L-93XD              | 7.0 | 5.6 | 6.0 | 6.3  |
| DLFPS-AT/3026       | 6.7 | 4.9 | 5.3 | 5.8  |
| MUSKET (PPG-AT 104) | 6.6 | 4.7 | 5.1 | 5.7  |
| PENNCROSS           | 7.1 | 3.6 | 5.0 | 5.3  |
| GREENTIME           | 7.1 | 3.6 | 4.8 | 5.3  |
| LSD VALUE           | 0.8 | 0.8 | 0.8 | 0.8  |
| C.V. (%)            | 6.8 | 9.4 | 8.2 | 7.9  |

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

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

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

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
2017 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |     |     |     |      |
|--|-----|-----|-----|------|
| NAME   | IL1 | M01 | WA1 | MEAN |
| NIGHTLIFE                                      | 7.8 | 6.0 | 7.0 | 6.9  |
| KINGDOM  | 7.8 | 6.0 | 7.1 | 6.9  |
| ARMOR  | 7.7 | 5.6 | 6.8 | 6.7  |
| PC2.0 (PST-OCV6)                               | 7.5 | 5.7 | 6.6 | 6.6  |
| CRYSTAL BLUE LINKS                             | 7.7 | 5.5 | 6.4 | 6.6  |
| 007  | 7.4 | 5.8 | 6.3 | 6.6  |
| BARRACUDA                                      | 7.3 | 5.8 | 6.2 | 6.6  |
| PIRANHA (DC-1)                                 | 7.1 | 5.9 | 6.1 | 6.5  |
| PST-ORBS                                       | 7.5 | 5.4 | 6.5 | 6.5  |
| CHINOOK (H10G-OP)                              | 7.4 | 5.4 | 5.8 | 6.4  |
| V-8  | 7.4 | 5.4 | 6.0 | 6.4  |
| SHARK  | 7.3 | 5.4 | 6.0 | 6.3  |
| L-93XD   | 7.0 | 5.6 | 6.0 | 6.3  |
| PENNCROSS                                      | 7.1 | 3.6 | 5.0 | 5.3  |
| LSD VALUE                                      | 0.8 | 0.8 | 0.8 | 0.8  |
| C.V. (%)                                       | 6.7 | 9.0 | 7.9 | 7.7  |

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
2017 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ |     |      |     |      |
|--|-----|------|-----|------|
| NAME   | IL1 | M01  | WA1 | MEAN |
| DLFPS-AT/3026                                  | 6.7 | 4.9  | 5.3 | 5.8  |
| MUSKET (PPG-AT 104)                            | 6.6 | 4.7  | 5.1 | 5.7  |
| GREENTIME                                      | 7.1 | 3.6  | 4.8 | 5.3  |
| LSD VALUE                                      | 0.8 | 0.8  | 0.8 | 0.8  |
| C.V. (%)                                       | 7.3 | 11.3 | 9.9 | 8.9  |

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

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

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

TABLE 3A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2017 DATA

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

| NAME                | SPRING<br>GREENUP | WEAR TOLERANCE RATINGS |      |           |      |     | QUALITY RATINGS |     |     |     |     | MEAN |     |
|---------------------|-------------------|------------------------|------|-----------|------|-----|-----------------|-----|-----|-----|-----|------|-----|
|                     |                   | MAY                    | JULY | SEPTEMBER | MAR  | APR | MAY             | JUN | JUL | AUG | SEP |      | OCT |
| MUSKET (PPG-AT 104) | 6.0               | 6.0                    | 5.3  | 3.7       | 4.0  | 6.3 | 7.0             | 6.3 | 6.0 | 6.3 | 6.7 | 5.3  | 6.0 |
| DLFPS-AT/3026       | 6.7               | 6.0                    | 5.0  | 4.0       | 4.0  | 6.3 | 7.0             | 6.7 | 6.7 | 5.7 | 5.7 | 5.0  | 5.9 |
| PIRANHA (DC-1)      | 4.7               | 6.7                    | 5.3  | 7.0       | 2.3  | 5.7 | 6.0             | 6.3 | 6.7 | 6.0 | 6.7 | 6.7  | 5.8 |
| KINGDOM             | 3.0               | 6.7                    | 7.3  | 7.3       | 2.0  | 5.7 | 5.0             | 6.7 | 6.7 | 5.3 | 6.7 | 7.0  | 5.6 |
| L-93XD              | 4.0               | 5.0                    | 4.7  | 5.3       | 2.3  | 6.0 | 6.0             | 6.3 | 5.7 | 5.7 | 5.7 | 6.3  | 5.5 |
| NIGHTLIFE           | 3.3               | 6.3                    | 7.0  | 7.7       | 2.0  | 5.3 | 5.0             | 6.3 | 6.7 | 6.0 | 6.0 | 6.3  | 5.5 |
| 007                 | 3.3               | 5.3                    | 4.7  | 6.7       | 2.3  | 5.7 | 5.7             | 6.3 | 5.7 | 5.3 | 6.0 | 5.3  | 5.3 |
| ARMOR               | 3.3               | 5.7                    | 6.0  | 6.7       | 2.0  | 6.0 | 5.0             | 6.3 | 5.7 | 5.3 | 6.0 | 5.7  | 5.3 |
| CHINOOK (H10G-OP)   | 5.0               | 5.3                    | 4.7  | 6.0       | 2.3  | 5.3 | 6.0             | 6.7 | 5.0 | 5.7 | 6.0 | 5.7  | 5.3 |
| V-8                 | 2.7               | 5.0                    | 4.7  | 5.7       | 2.0  | 5.0 | 5.0             | 5.7 | 5.7 | 5.3 | 6.7 | 6.0  | 5.2 |
| GREENTIME           | 4.0               | 6.0                    | 5.3  | 4.3       | 4.0  | 5.7 | 5.3             | 5.3 | 5.3 | 5.0 | 5.3 | 4.7  | 5.1 |
| PC2.0 (PST-OCV6)    | 5.0               | 5.0                    | 4.3  | 6.0       | 3.0  | 5.0 | 5.0             | 6.0 | 5.3 | 5.3 | 6.0 | 5.0  | 5.1 |
| SHARK               | 3.0               | 4.7                    | 4.7  | 7.0       | 2.0  | 5.0 | 5.7             | 6.3 | 5.3 | 5.3 | 5.7 | 5.7  | 5.1 |
| BARRACUDA           | 4.0               | 4.7                    | 5.0  | 6.0       | 2.7  | 5.0 | 5.3             | 5.3 | 5.3 | 5.0 | 5.3 | 5.3  | 4.9 |
| PST-ORBS            | 4.0               | 4.0                    | 4.0  | 6.0       | 2.3  | 5.3 | 5.0             | 6.0 | 5.0 | 5.0 | 5.3 | 5.0  | 4.9 |
| CRYSTAL BLUE LINKS  | 3.0               | 5.0                    | 4.0  | 5.3       | 2.3  | 4.7 | 4.3             | 5.0 | 5.0 | 4.7 | 5.0 | 4.7  | 4.5 |
| PENNCROSS           | 2.7               | 3.7                    | 3.7  | 3.7       | 1.7  | 4.0 | 4.0             | 4.0 | 4.0 | 4.0 | 4.0 | 4.0  | 3.7 |
| LSD VALUE           | 0.9               | 0.9                    | 0.6  | 0.8       | 0.6  | 0.8 | 0.4             | 0.9 | 0.7 | 0.8 | 0.7 | 0.7  | 0.4 |
| C.V. (%)            | 14.6              | 10.8                   | 8.1  | 9.3       | 16.0 | 8.4 | 5.5             | 8.6 | 7.7 | 8.9 | 7.8 | 7.8  | 4.4 |

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

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



TABLE 3B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2017 DATA

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

| NAME               | SPRING<br>GREENUP | WEAR TOLERANCE RATINGS |      |           | QUALITY RATINGS |     |     |     |     |     |     |     | MEAN |
|--------------------|-------------------|------------------------|------|-----------|-----------------|-----|-----|-----|-----|-----|-----|-----|------|
|                    |                   | MAY                    | JULY | SEPTEMBER | MAR             | APR | MAY | JUN | JUL | AUG | SEP | OCT |      |
| PIRANHA (DC-1)     | 4.7               | 6.7                    | 5.3  | 7.0       | 2.3             | 5.7 | 6.0 | 6.3 | 6.7 | 6.0 | 6.7 | 6.7 | 5.8  |
| KINGDOM            | 3.0               | 6.7                    | 7.3  | 7.3       | 2.0             | 5.7 | 5.0 | 6.7 | 6.7 | 5.3 | 6.7 | 7.0 | 5.6  |
| L-93XD             | 4.0               | 5.0                    | 4.7  | 5.3       | 2.3             | 6.0 | 6.0 | 6.3 | 5.7 | 5.7 | 5.7 | 6.3 | 5.5  |
| NIGHTLIFE          | 3.3               | 6.3                    | 7.0  | 7.7       | 2.0             | 5.3 | 5.0 | 6.3 | 6.7 | 6.0 | 6.0 | 6.3 | 5.5  |
| 007                | 3.3               | 5.3                    | 4.7  | 6.7       | 2.3             | 5.7 | 5.7 | 6.3 | 5.7 | 5.3 | 6.0 | 5.3 | 5.3  |
| ARMOR              | 3.3               | 5.7                    | 6.0  | 6.7       | 2.0             | 6.0 | 5.0 | 6.3 | 5.7 | 5.3 | 6.0 | 5.7 | 5.3  |
| CHINOOK (H10G-OP)  | 5.0               | 5.3                    | 4.7  | 6.0       | 2.3             | 5.3 | 6.0 | 6.7 | 5.0 | 5.7 | 6.0 | 5.7 | 5.3  |
| V-8                | 2.7               | 5.0                    | 4.7  | 5.7       | 2.0             | 5.0 | 5.0 | 5.7 | 5.7 | 5.3 | 6.7 | 6.0 | 5.2  |
| PC2.0 (PST-OCV6)   | 5.0               | 5.0                    | 4.3  | 6.0       | 3.0             | 5.0 | 5.0 | 6.0 | 5.3 | 5.3 | 6.0 | 5.0 | 5.1  |
| SHARK              | 3.0               | 4.7                    | 4.7  | 7.0       | 2.0             | 5.0 | 5.7 | 6.3 | 5.3 | 5.3 | 5.7 | 5.7 | 5.1  |
| BARRACUDA          | 4.0               | 4.7                    | 5.0  | 6.0       | 2.7             | 5.0 | 5.3 | 5.3 | 5.3 | 5.0 | 5.3 | 5.3 | 4.9  |
| PST-ORBS           | 4.0               | 4.0                    | 4.0  | 6.0       | 2.3             | 5.3 | 5.0 | 6.0 | 5.0 | 5.0 | 5.3 | 5.0 | 4.9  |
| CRYSTAL BLUE LINKS | 3.0               | 5.0                    | 4.0  | 5.3       | 2.3             | 4.7 | 4.3 | 5.0 | 5.0 | 4.7 | 5.0 | 4.7 | 4.5  |
| PENNCROSS          | 2.7               | 3.7                    | 3.7  | 3.7       | 1.7             | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.7  |
| LSD VALUE          | 1.1               | 0.8                    | 0.6  | 0.9       | 1.1             | 0.7 | 0.5 | 0.8 | 0.7 | 0.9 | 0.7 | 0.6 | 0.3  |
| C.V. (%)           | 17.3              | 9.7                    | 7.8  | 9.0       | 20.1            | 7.8 | 5.6 | 8.4 | 8.2 | 9.0 | 7.2 | 7.2 | 4.3  |

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 3C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2017 DATA

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

| NAME                | SPRING<br>GREENUP | WEAR TOLERANCE RATINGS |      |           | QUALITY RATINGS |      |     |     |     |      |      |      | MEAN |
|---------------------|-------------------|------------------------|------|-----------|-----------------|------|-----|-----|-----|------|------|------|------|
|                     |                   | MAY                    | JULY | SEPTEMBER | MAR             | APR  | MAY | JUN | JUL | AUG  | SEP  | OCT  |      |
| MUSKET (PPG-AT 104) | 6.0               | 6.0                    | 5.3  | 3.7       | 4               | 6.3  | 7.0 | 6.3 | 6.0 | 6.3  | 6.7  | 5.3  | 6.0  |
| DLFPS-AT/3026       | 6.7               | 6.0                    | 5.0  | 4.0       | 4               | 6.3  | 7.0 | 6.7 | 6.7 | 5.7  | 5.7  | 5.0  | 5.9  |
| GREENTIME           | 4.0               | 6.0                    | 5.3  | 4.3       | 4               | 5.7  | 5.3 | 5.3 | 5.3 | 5.0  | 5.3  | 4.7  | 5.1  |
| LSD VALUE           | 0.8               | 1.3                    | 1.2  | 0.9       | 0               | 1.5  | 0.8 | 1.2 | 0.9 | 1.3  | 1.5  | 1.3  | 0.7  |
| C.V. (%)            | 6.0               | 9.6                    | 10.1 | 10.2      | 0               | 10.9 | 5.2 | 8.6 | 6.8 | 10.2 | 11.3 | 11.5 | 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 4A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2017 DATA

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

| NAME                | QUALITY RATINGS<br>BEFORE TRAFFIC (APR-AUG) |     |     |      |      | QUALITY RATINGS FOR TRAFFIC |        |        |     | QUALITY RATINGS FOR DIVOT RECOVERY |        |        |     | MEAN |
|---------------------|---|-----|-----|------|------|-----------------------------|--------|--------|-----|------------------------------------|--------|--------|-----|------|
|                     | DISEASE<br>JULY                             | APR | JUN | JUL  | AUG  | SEP                         | OCT_11 | OCT_25 | NOV | SEP                                | OCT_11 | OCT_25 | NOV |      |
| GREENTIME           | 9.0   | 6.0 | 7.7 | 7.0  | 7.3  | 6.0                         | 6.7    | 7.3    | 7.0 | 7.3                                | 7.7    | 8.0    | 7.7 | 7.1  |
| CRYSTAL BLUE LINKS  | 7.0   | 6.7 | 6.7 | 6.0  | 7.7  | 6.3                         | 6.0    | 7.3    | 7.0 | 6.7                                | 7.7    | 7.7    | 7.3 | 6.9  |
| DLFPS-AT/3026       | 7.0   | 7.0 | 6.3 | 6.7  | 7.3  | 4.3                         | 6.0    | 7.0    | 6.3 | 7.7                                | 8.0    | 8.0    | 8.0 | 6.9  |
| PENNCROSS           | 8.7   | 6.0 | 7.3 | 6.7  | 7.3  | 5.3                         | 5.3    | 6.7    | 7.3 | 7.3                                | 7.3    | 7.7    | 7.3 | 6.8  |
| MUSKET (PPG-AT 104) | 8.0   | 7.0 | 6.3 | 6.0  | 7.7  | 5.3                         | 6.0    | 7.0    | 6.7 | 7.0                                | 6.7    | 7.3    | 7.3 | 6.7  |
| V-8                 | 7.0   | 5.7 | 6.3 | 6.0  | 7.3  | 5.7                         | 5.7    | 7.0    | 7.0 | 7.0                                | 7.0    | 8.0    | 7.3 | 6.7  |
| PST-ORBS            | 6.3   | 6.3 | 6.0 | 6.0  | 7.3  | 5.3                         | 5.7    | 7.0    | 7.0 | 7.0                                | 7.0    | 7.3    | 7.0 | 6.6  |
| SHARK               | 5.7   | 7.0 | 5.3 | 5.0  | 7.0  | 5.3                         | 6.0    | 7.0    | 7.0 | 7.0                                | 7.0    | 8.0    | 7.3 | 6.6  |
| ARMOR               | 6.7   | 6.0 | 6.3 | 5.7  | 6.3  | 5.3                         | 5.7    | 7.0    | 7.0 | 6.7                                | 6.7    | 7.7    | 7.0 | 6.4  |
| KINGDOM             | 6.7   | 6.0 | 6.0 | 5.3  | 6.0  | 5.3                         | 6.0    | 7.3    | 7.0 | 6.7                                | 7.0    | 7.7    | 7.0 | 6.4  |
| NIGHTLIFE           | 5.3   | 6.3 | 5.7 | 5.0  | 5.7  | 5.7                         | 6.0    | 7.3    | 7.0 | 6.7                                | 6.7    | 7.7    | 7.0 | 6.4  |
| PC2.0 (PST-OCV6)    | 7.3   | 6.0 | 6.3 | 5.3  | 6.7  | 4.7                         | 5.7    | 7.0    | 7.0 | 6.7                                | 7.0    | 7.7    | 7.0 | 6.4  |
| 007                 | 6.3   | 6.3 | 5.7 | 5.0  | 6.7  | 5.0                         | 5.0    | 6.7    | 6.7 | 7.0                                | 7.3    | 7.3    | 7.3 | 6.3  |
| BARRACUDA           | 7.0   | 6.0 | 6.3 | 5.7  | 6.3  | 4.7                         | 5.3    | 6.7    | 6.7 | 6.7                                | 6.7    | 7.3    | 7.3 | 6.3  |
| L-93XD              | 6.7   | 6.0 | 6.0 | 5.3  | 6.7  | 5.0                         | 5.3    | 6.7    | 6.3 | 6.7                                | 6.7    | 7.3    | 7.3 | 6.3  |
| PIRANHA (DC-1)      | 6.3   | 7.0 | 5.3 | 5.3  | 7.0  | 4.7                         | 4.7    | 6.7    | 6.3 | 6.3                                | 6.7    | 7.3    | 7.3 | 6.2  |
| CHINOOK (H10G-OP)   | 5.3   | 6.7 | 5.3 | 4.0  | 5.7  | 5.3                         | 5.7    | 7.0    | 6.7 | 6.7                                | 6.3    | 7.3    | 7.0 | 6.1  |
| LSD VALUE           | 2.5   | 0.8 | 1.1 | 1.3  | 1.6  | 1.5                         | 1.6    | 2.0    | 0.9 | 1.3                                | 0.8    | 1.3    | 1.2 | 0.4  |
| C.V. (%)            | 17.3  | 6.6 | 9.6 | 12.5 | 11.1 | 12.5                        | 11.3   | 8.4    | 5.7 | 7.2                                | 6.0    | 6.0    | 5.9 | 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 4B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2017 DATA

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

| NAME               | QUALITY RATINGS<br>BEFORE TRAFFIC (APR-AUG) |     |     |      |      | QUALITY RATINGS FOR TRAFFIC |        |        |     | QUALITY RATINGS FOR DIVOT RECOVERY |        |        |     | MEAN |
|--------------------|---|-----|-----|------|------|-----------------------------|--------|--------|-----|------------------------------------|--------|--------|-----|------|
|                    | DISEASE<br>JULY                             | APR | JUN | JUL  | AUG  | SEP                         | OCT_11 | OCT_25 | NOV | SEP                                | OCT_11 | OCT_25 | NOV |      |
| CRYSTAL BLUE LINKS | 7.0   | 6.7 | 6.7 | 6.0  | 7.7  | 6.3                         | 6.0    | 7.3    | 7.0 | 6.7                                | 7.7    | 7.7    | 7.3 | 6.9  |
| PENNCROSS          | 8.7   | 6.0 | 7.3 | 6.7  | 7.3  | 5.3                         | 5.3    | 6.7    | 7.3 | 7.3                                | 7.3    | 7.7    | 7.3 | 6.8  |
| V-8                | 7.0   | 5.7 | 6.3 | 6.0  | 7.3  | 5.7                         | 5.7    | 7.0    | 7.0 | 7.0                                | 7.0    | 8.0    | 7.3 | 6.7  |
| PST-ORBS           | 6.3   | 6.3 | 6.0 | 6.0  | 7.3  | 5.3                         | 5.7    | 7.0    | 7.0 | 7.0                                | 7.0    | 7.3    | 7.0 | 6.6  |
| SHARK              | 5.7   | 7.0 | 5.3 | 5.0  | 7.0  | 5.3                         | 6.0    | 7.0    | 7.0 | 7.0                                | 7.0    | 8.0    | 7.3 | 6.6  |
| ARMOR              | 6.7   | 6.0 | 6.3 | 5.7  | 6.3  | 5.3                         | 5.7    | 7.0    | 7.0 | 6.7                                | 6.7    | 7.7    | 7.0 | 6.4  |
| KINGDOM            | 6.7   | 6.0 | 6.0 | 5.3  | 6.0  | 5.3                         | 6.0    | 7.3    | 7.0 | 6.7                                | 7.0    | 7.7    | 7.0 | 6.4  |
| NIGHTLIFE          | 5.3   | 6.3 | 5.7 | 5.0  | 5.7  | 5.7                         | 6.0    | 7.3    | 7.0 | 6.7                                | 6.7    | 7.7    | 7.0 | 6.4  |
| PC2.0 (PST-OCV6)   | 7.3   | 6.0 | 6.3 | 5.3  | 6.7  | 4.7                         | 5.7    | 7.0    | 7.0 | 6.7                                | 7.0    | 7.7    | 7.0 | 6.4  |
| 007                | 6.3   | 6.3 | 5.7 | 5.0  | 6.7  | 5.0                         | 5.0    | 6.7    | 6.7 | 7.0                                | 7.3    | 7.3    | 7.3 | 6.3  |
| BARRACUDA          | 7.0   | 6.0 | 6.3 | 5.7  | 6.3  | 4.7                         | 5.3    | 6.7    | 6.7 | 6.7                                | 6.7    | 7.3    | 7.3 | 6.3  |
| L-93XD             | 6.7   | 6.0 | 6.0 | 5.3  | 6.7  | 5.0                         | 5.3    | 6.7    | 6.3 | 6.7                                | 6.7    | 7.3    | 7.3 | 6.3  |
| PIRANHA (DC-1)     | 6.3   | 7.0 | 5.3 | 5.3  | 7.0  | 4.7                         | 4.7    | 6.7    | 6.3 | 6.3                                | 6.7    | 7.3    | 7.3 | 6.2  |
| CHINOOK (H10G-OP)  | 5.3   | 6.7 | 5.3 | 4.0  | 5.7  | 5.3                         | 5.7    | 7.0    | 6.7 | 6.7                                | 6.3    | 7.3    | 7.0 | 6.1  |
| LSD VALUE          | 3.0   | 1.0 | 1.2 | 1.4  | 1.8  | 1.5                         | 1.7    | 1.8    | 0.9 | 1.4                                | 0.8    | 1.2    | 1.3 | 0.6  |
| C.V. (%)           | 18.5  | 7.4 | 9.9 | 12.6 | 11.9 | 11.8                        | 11.5   | 8.2    | 5.6 | 7.1                                | 5.8    | 5.8    | 5.8 | 4.1  |

TABLE 4C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2017 DATA

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

| NAME                | QUALITY RATINGS<br>BEFORE TRAFFIC (APR-AUG) |     |     |      |     | QUALITY RATINGS FOR TRAFFIC |        |        |     | QUALITY RATINGS FOR DIVOT RECOVERY |        |        |     | MEAN |
|---------------------|---|-----|-----|------|-----|-----------------------------|--------|--------|-----|------------------------------------|--------|--------|-----|------|
|                     | DISEASE<br>JULY                             | APR | JUN | JUL  | AUG | SEP                         | OCT_11 | OCT_25 | NOV | SEP                                | OCT_11 | OCT_25 | NOV |      |
| GREENTIME           | 9.0   | 6   | 7.7 | 7.0  | 7.3 | 6.0                         | 6.7    | 7.3    | 7.0 | 7.3                                | 7.7    | 8.0    | 7.7 | 7.1  |
| DLFPS-AT/3026       | 7.0   | 7   | 6.3 | 6.7  | 7.3 | 4.3                         | 6.0    | 7.0    | 6.3 | 7.7                                | 8.0    | 8.0    | 8.0 | 6.9  |
| MUSKET (PPG-AT 104) | 8.0   | 7   | 6.3 | 6.0  | 7.7 | 5.3                         | 6.0    | 7.0    | 6.7 | 7.0                                | 6.7    | 7.3    | 7.3 | 6.7  |
| LSD VALUE           | 2.1   | 0   | 1.5 | 1.5  | 1.5 | 2.0                         | 1.5    | 1.8    | 0.9 | 1.3                                | 1.2    | 0.8    | 0.9 | 0.3  |
| C.V. (%)            | 11.4  | 0   | 9.8 | 10.2 | 9.0 | 16.9                        | 10.7   | 11.0   | 6.1 | 7.9                                | 7.1    | 4.3    | 5.3 | 2.0  |

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 5A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT RIVERSIDE, CA 1/  
2017 DATA

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

| NAME                | GENETIC<br>COLOR | QUALITY RATINGS |     |     |     |     |      |     |     |      |     |     | MEAN |     |
|---------------------|------------------|-----------------|-----|-----|-----|-----|------|-----|-----|------|-----|-----|------|-----|
|                     |                  | JAN             | FEB | MAR | APR | MAY | JUN  | JUL | AUG | SEP  | OCT | NOV |      | DEC |
| 007                 | 7.0              | 6.3             | 6.0 | 6.7 | 7.3 | 6.7 | 6.3  | 6.3 | 6.0 | 6.0  | 6.3 | 6.0 | 6.3  | 6.4 |
| L-93XD              | 7.0              | 6.0             | 5.7 | 6.0 | 6.7 | 6.0 | 6.3  | 6.7 | 6.3 | 6.7  | 6.7 | 6.0 | 6.0  | 6.3 |
| PENNCROSS           | 7.0              | 6.3             | 6.3 | 6.7 | 6.7 | 6.7 | 6.0  | 6.3 | 6.0 | 6.0  | 6.0 | 6.3 | 6.0  | 6.3 |
| PST-ORBS            | 7.0              | 6.3             | 6.0 | 6.0 | 7.0 | 6.7 | 6.3  | 6.7 | 6.0 | 6.3  | 6.0 | 5.7 | 6.3  | 6.3 |
| SHARK               | 7.0              | 6.3             | 6.0 | 6.3 | 6.3 | 6.7 | 6.3  | 6.0 | 6.0 | 6.7  | 6.0 | 6.3 | 6.3  | 6.3 |
| CHINOOK (H10G-OP)   | 7.3              | 6.0             | 5.7 | 6.0 | 6.0 | 6.7 | 6.0  | 7.0 | 6.3 | 6.7  | 6.0 | 6.0 | 6.0  | 6.2 |
| CRYSTAL BLUE LINKS  | 7.7              | 6.0             | 6.0 | 6.3 | 5.7 | 6.3 | 6.3  | 6.3 | 6.3 | 6.3  | 6.3 | 6.0 | 6.0  | 6.2 |
| PC2.0 (PST-OCV6)    | 7.7              | 6.0             | 6.0 | 6.3 | 6.3 | 7.0 | 6.0  | 6.3 | 6.0 | 6.0  | 6.3 | 6.0 | 6.0  | 6.2 |
| PIRANHA (DC-1)      | 8.0              | 6.0             | 5.7 | 6.0 | 6.7 | 6.7 | 6.3  | 6.3 | 6.3 | 6.3  | 6.3 | 6.0 | 6.0  | 6.2 |
| BARRACUDA           | 7.3              | 6.0             | 6.0 | 6.3 | 6.3 | 6.3 | 5.7  | 6.0 | 6.3 | 6.3  | 6.0 | 6.0 | 6.0  | 6.1 |
| KINGDOM             | 8.0              | 5.7             | 6.0 | 6.0 | 6.7 | 6.3 | 6.0  | 6.3 | 5.7 | 6.0  | 6.0 | 6.0 | 6.0  | 6.1 |
| NIGHTLIFE           | 8.0              | 5.7             | 6.0 | 6.0 | 6.3 | 6.7 | 6.3  | 6.3 | 6.0 | 6.3  | 6.3 | 5.7 | 5.0  | 6.1 |
| ARMOR               | 8.0              | 6.0             | 5.7 | 5.7 | 6.0 | 6.0 | 5.7  | 6.3 | 6.3 | 6.3  | 5.7 | 6.0 | 6.0  | 6.0 |
| DLFPS-AT/3026       | 7.0              | 6.0             | 5.7 | 5.7 | 6.0 | 6.0 | 5.7  | 6.3 | 6.0 | 5.7  | 5.3 | 6.0 | 6.0  | 5.9 |
| MUSKET (PPG-AT 104) | 7.0              | 6.0             | 5.7 | 5.7 | 6.0 | 6.0 | 5.7  | 6.0 | 6.0 | 6.0  | 6.0 | 6.0 | 6.0  | 5.9 |
| V-8                 | 7.0              | 5.7             | 5.7 | 5.7 | 6.7 | 6.7 | 5.7  | 6.0 | 6.0 | 6.0  | 5.7 | 6.0 | 5.7  | 5.9 |
| GREENTIME           | 7.3              | 5.3             | 5.3 | 6.0 | 6.0 | 6.0 | 5.7  | 6.3 | 5.7 | 6.3  | 5.3 | 5.7 | 6.0  | 5.8 |
| LSD VALUE           | 0.5              | 1.0             | 1.3 | 1.0 | 1.2 | 1.1 | 2.0  | 1.8 | 2.0 | 2.1  | 1.2 | 1.3 | 0.5  | 0.5 |
| C.V. (%)            | 4.2              | 6.7             | 7.4 | 7.2 | 8.4 | 7.1 | 10.2 | 8.8 | 9.3 | 10.2 | 8.4 | 6.8 | 4.7  | 3.6 |

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

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

TABLE 5B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT RIVERSIDE, CA 1/  
2017 DATA

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

| NAME               | GENETIC<br>COLOR | QUALITY RATINGS |     |     |     |     |     |     |      |      |     |     |     | MEAN |
|--------------------|------------------|-----------------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------|
|                    |                  | JAN             | FEB | MAR | APR | MAY | JUN | JUL | AUG  | SEP  | OCT | NOV | DEC |      |
| 007                | 7.0              | 6.3             | 6.0 | 6.7 | 7.3 | 6.7 | 6.3 | 6.3 | 6.0  | 6.0  | 6.3 | 6.0 | 6.3 | 6.4  |
| L-93XD             | 7.0              | 6.0             | 5.7 | 6.0 | 6.7 | 6.0 | 6.3 | 6.7 | 6.3  | 6.7  | 6.7 | 6.0 | 6.0 | 6.3  |
| PENNCROSS          | 7.0              | 6.3             | 6.3 | 6.7 | 6.7 | 6.7 | 6.0 | 6.3 | 6.0  | 6.0  | 6.0 | 6.3 | 6.0 | 6.3  |
| PST-ORBS           | 7.0              | 6.3             | 6.0 | 6.0 | 7.0 | 6.7 | 6.3 | 6.7 | 6.0  | 6.3  | 6.0 | 5.7 | 6.3 | 6.3  |
| SHARK              | 7.0              | 6.3             | 6.0 | 6.3 | 6.3 | 6.7 | 6.3 | 6.0 | 6.0  | 6.7  | 6.0 | 6.3 | 6.3 | 6.3  |
| CHINOOK (H10G-OP)  | 7.3              | 6.0             | 5.7 | 6.0 | 6.0 | 6.7 | 6.0 | 7.0 | 6.3  | 6.7  | 6.0 | 6.0 | 6.0 | 6.2  |
| CRYSTAL BLUE LINKS | 7.7              | 6.0             | 6.0 | 6.3 | 5.7 | 6.3 | 6.3 | 6.3 | 6.3  | 6.3  | 6.3 | 6.0 | 6.0 | 6.2  |
| PC2.0 (PST-OCV6)   | 7.7              | 6.0             | 6.0 | 6.3 | 6.3 | 7.0 | 6.0 | 6.3 | 6.0  | 6.0  | 6.3 | 6.0 | 6.0 | 6.2  |
| PIRANHA (DC-1)     | 8.0              | 6.0             | 5.7 | 6.0 | 6.7 | 6.7 | 6.3 | 6.3 | 6.3  | 6.3  | 6.3 | 6.0 | 6.0 | 6.2  |
| BARRACUDA          | 7.3              | 6.0             | 6.0 | 6.3 | 6.3 | 6.3 | 5.7 | 6.0 | 6.3  | 6.3  | 6.0 | 6.0 | 6.0 | 6.1  |
| KINGDOM            | 8.0              | 5.7             | 6.0 | 6.0 | 6.7 | 6.3 | 6.0 | 6.3 | 5.7  | 6.0  | 6.0 | 6.0 | 6.0 | 6.1  |
| NIGHTLIFE          | 8.0              | 5.7             | 6.0 | 6.0 | 6.3 | 6.7 | 6.3 | 6.3 | 6.0  | 6.3  | 6.3 | 5.7 | 5.0 | 6.1  |
| ARMOR              | 8.0              | 6.0             | 5.7 | 5.7 | 6.0 | 6.0 | 5.7 | 6.3 | 6.3  | 6.3  | 5.7 | 6.0 | 6.0 | 6.0  |
| V-8                | 7.0              | 5.7             | 5.7 | 5.7 | 6.7 | 6.7 | 5.7 | 6.0 | 6.0  | 6.0  | 5.7 | 6.0 | 5.7 | 5.9  |
| LSD VALUE          | 0.5              | 1.1             | 1.1 | 1.1 | 1.2 | 1.4 | 1.8 | 1.5 | 2.1  | 2.2  | 1.3 | 1.3 | 0.6 | 0.6  |
| C.V. (%)           | 3.8              | 6.8             | 6.6 | 7.3 | 8.2 | 7.6 | 9.6 | 8.1 | 10.0 | 10.5 | 7.8 | 7.0 | 5.2 | 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 5C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT RIVERSIDE, CA 1/  
2017 DATA

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

| NAME                | GENETIC<br>COLOR | QUALITY RATINGS |      |     |     |     |     |      |     |     |     |     |     | MEAN |
|---------------------|------------------|-----------------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|
|                     |                  | JAN             | FEB  | MAR | APR | MAY | JUN | JUL  | AUG | SEP | OCT | NOV | DEC |      |
| DLFPS-AT/3026       | 7.0              | 6.0             | 5.7  | 5.7 | 6.0 | 6   | 5.7 | 6.3  | 6.0 | 5.7 | 5.3 | 6.0 | 6   | 5.9  |
| MUSKET (PPG-AT 104) | 7.0              | 6.0             | 5.7  | 5.7 | 6.0 | 6   | 5.7 | 6.0  | 6.0 | 6.0 | 6.0 | 6.0 | 6   | 5.9  |
| GREENTIME           | 7.3              | 5.3             | 5.3  | 6.0 | 6.0 | 6   | 5.7 | 6.3  | 5.7 | 6.3 | 5.3 | 5.7 | 6   | 5.8  |
| LSD VALUE           | 0.8              | 0.8             | 1.5  | 0.8 | 1.3 | 0   | 0.0 | 1.8  | 0.8 | 0.9 | 0.8 | 0.8 | 0   | 0.4  |
| C.V. (%)            | 4.7              | 5.8             | 12.0 | 5.8 | 9.6 | 0   | 0.0 | 12.6 | 5.7 | 6.8 | 6.0 | 5.7 | 0   | 2.7  |

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 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT WEST LAFAYETTE, IN 1/  
2017 DATA

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

| NAME                | GENETIC<br>COLOR | LEAF<br>TEXTURE | SUMMER<br>DENSITY | MOW<br>QUALITY | QUALITY RATINGS |      |     |     |      |     |      | MEAN |
|---------------------|------------------|-----------------|-------------------|----------------|-----------------|------|-----|-----|------|-----|------|------|
|                     |                  |                 |                   |                | MAY             | JUN  | JUL | AUG | SEP  | OCT | NOV  |      |
| NIGHTLIFE           | 8.0              | 7.7             | 8.0               | 7.3            | 7.3             | 8.0  | 8.3 | 8.0 | 7.0  | 7.7 | 6.0  | 7.5  |
| PC2.0 (PST-OCV6)    | 6.7              | 7.7             | 7.7               | 7.0            | 7.7             | 8.3  | 7.7 | 7.3 | 7.0  | 7.0 | 6.0  | 7.3  |
| ARMOR               | 8.3              | 7.3             | 8.7               | 6.0            | 6.3             | 7.3  | 7.7 | 7.7 | 7.0  | 7.3 | 7.3  | 7.2  |
| CHINOOK (H10G-OP)   | 7.0              | 6.7             | 8.3               | 6.3            | 6.7             | 7.0  | 7.0 | 7.3 | 6.3  | 7.3 | 5.7  | 6.8  |
| V-8                 | 6.7              | 7.0             | 8.0               | 6.7            | 6.0             | 6.7  | 7.0 | 7.7 | 7.0  | 7.3 | 6.0  | 6.8  |
| BARRACUDA           | 7.0              | 7.0             | 7.3               | 6.7            | 5.7             | 6.7  | 7.0 | 7.7 | 6.7  | 6.7 | 6.3  | 6.7  |
| L-93XD              | 6.7              | 7.0             | 8.0               | 5.7            | 6.0             | 7.0  | 7.0 | 7.7 | 6.3  | 6.7 | 6.0  | 6.7  |
| PST-ORBS            | 7.3              | 7.7             | 8.7               | 4.3            | 5.7             | 6.7  | 7.3 | 7.3 | 6.0  | 7.3 | 5.7  | 6.6  |
| CRYSTAL BLUE LINKS  | 6.3              | 6.7             | 7.3               | 6.7            | 6.3             | 6.3  | 6.7 | 7.3 | 6.7  | 6.7 | 5.3  | 6.5  |
| KINGDOM             | 8.3              | 7.3             | 8.0               | 5.0            | 5.7             | 6.7  | 7.0 | 7.0 | 6.3  | 7.0 | 6.0  | 6.5  |
| PIRANHA (DC-1)      | 7.0              | 7.7             | 8.0               | 5.0            | 5.7             | 7.0  | 7.0 | 6.7 | 7.0  | 6.7 | 5.3  | 6.5  |
| 007                 | 7.0              | 7.3             | 9.0               | 4.7            | 5.0             | 6.7  | 7.0 | 7.0 | 6.3  | 7.3 | 5.7  | 6.4  |
| SHARK               | 6.7              | 7.0             | 8.0               | 5.3            | 6.0             | 6.7  | 7.0 | 7.0 | 6.0  | 6.3 | 6.0  | 6.4  |
| MUSKET (PPG-AT 104) | 5.3              | 7.3             | 7.7               | 6.7            | 6.0             | 6.7  | 6.0 | 6.3 | 6.7  | 5.7 | 6.3  | 6.2  |
| DLFPS-AT/3026       | 5.3              | 6.3             | 7.3               | 8.0            | 5.7             | 6.0  | 6.3 | 6.7 | 6.3  | 5.3 | 4.7  | 5.9  |
| PENNCROSS           | 6.7              | 5.0             | 5.7               | 8.3            | 5.7             | 6.3  | 6.3 | 6.3 | 5.7  | 5.7 | 5.0  | 5.9  |
| GREENTIME           | 7.7              | 6.7             | 7.0               | 7.3            | 5.3             | 5.3  | 5.7 | 6.3 | 5.0  | 5.7 | 4.3  | 5.4  |
| LSD VALUE           | 0.7              | 1.2             | 0.8               | 2.0            | 2.3             | 2.0  | 1.0 | 1.4 | 1.6  | 1.0 | 1.6  | 0.7  |
| C.V. (%)            | 6.1              | 9.4             | 6.6               | 17.2           | 15.7            | 12.9 | 8.3 | 8.9 | 10.8 | 9.0 | 13.6 | 6.3  |

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

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

TABLE 6B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT WEST LAFAYETTE, IN 1/  
2017 DATA

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

| NAME               | GENETIC<br>COLOR | LEAF<br>TEXTURE | SUMMER<br>DENSITY | MOW<br>QUALITY | MAY  | JUN  | QUALITY RATINGS |     |      |     |      | MEAN |
|--------------------|------------------|-----------------|-------------------|----------------|------|------|-----------------|-----|------|-----|------|------|
|                    |                  |                 |                   |                |      |      | JUL             | AUG | SEP  | OCT | NOV  |      |
| NIGHTLIFE          | 8.0              | 7.7             | 8.0               | 7.3            | 7.3  | 8.0  | 8.3             | 8.0 | 7.0  | 7.7 | 6.0  | 7.5  |
| PC2.0 (PST-OCV6)   | 6.7              | 7.7             | 7.7               | 7.0            | 7.7  | 8.3  | 7.7             | 7.3 | 7.0  | 7.0 | 6.0  | 7.3  |
| ARMOR              | 8.3              | 7.3             | 8.7               | 6.0            | 6.3  | 7.3  | 7.7             | 7.7 | 7.0  | 7.3 | 7.3  | 7.2  |
| CHINOOK (H10G-OP)  | 7.0              | 6.7             | 8.3               | 6.3            | 6.7  | 7.0  | 7.0             | 7.3 | 6.3  | 7.3 | 5.7  | 6.8  |
| V-8                | 6.7              | 7.0             | 8.0               | 6.7            | 6.0  | 6.7  | 7.0             | 7.7 | 7.0  | 7.3 | 6.0  | 6.8  |
| BARRACUDA          | 7.0              | 7.0             | 7.3               | 6.7            | 5.7  | 6.7  | 7.0             | 7.7 | 6.7  | 6.7 | 6.3  | 6.7  |
| L-93XD             | 6.7              | 7.0             | 8.0               | 5.7            | 6.0  | 7.0  | 7.0             | 7.7 | 6.3  | 6.7 | 6.0  | 6.7  |
| PST-ORBS           | 7.3              | 7.7             | 8.7               | 4.3            | 5.7  | 6.7  | 7.3             | 7.3 | 6.0  | 7.3 | 5.7  | 6.6  |
| CRYSTAL BLUE LINKS | 6.3              | 6.7             | 7.3               | 6.7            | 6.3  | 6.3  | 6.7             | 7.3 | 6.7  | 6.7 | 5.3  | 6.5  |
| KINGDOM            | 8.3              | 7.3             | 8.0               | 5.0            | 5.7  | 6.7  | 7.0             | 7.0 | 6.3  | 7.0 | 6.0  | 6.5  |
| PIRANHA (DC-1)     | 7.0              | 7.7             | 8.0               | 5.0            | 5.7  | 7.0  | 7.0             | 6.7 | 7.0  | 6.7 | 5.3  | 6.5  |
| 007                | 7.0              | 7.3             | 9.0               | 4.7            | 5.0  | 6.7  | 7.0             | 7.0 | 6.3  | 7.3 | 5.7  | 6.4  |
| SHARK              | 6.7              | 7.0             | 8.0               | 5.3            | 6.0  | 6.7  | 7.0             | 7.0 | 6.0  | 6.3 | 6.0  | 6.4  |
| PENNCROSS          | 6.7              | 5.0             | 5.7               | 8.3            | 5.7  | 6.3  | 6.3             | 6.3 | 5.7  | 5.7 | 5.0  | 5.9  |
| LSD VALUE          | 0.7              | 1.1             | 0.7               | 2.0            | 2.5  | 2.2  | 1.3             | 1.2 | 2.0  | 1.2 | 2.0  | 0.8  |
| C.V. (%)           | 6.0              | 8.6             | 5.7               | 18.0           | 16.8 | 12.4 | 8.2             | 7.6 | 11.4 | 8.4 | 13.9 | 6.5  |

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

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

TABLE 6C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT WEST LAFAYETTE, IN 1/  
2017 DATA

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

| NAME                | GENETIC<br>COLOR | LEAF<br>TEXTURE | SUMMER<br>DENSITY | MOW<br>QUALITY | MAY | JUN  | QUALITY RATINGS |      |     |      |      | MEAN |
|---------------------|------------------|-----------------|-------------------|----------------|-----|------|-----------------|------|-----|------|------|------|
|                     |                  |                 |                   |                |     |      | JUL             | AUG  | SEP | OCT  | NOV  |      |
| MUSKET (PPG-AT 104) | 5.3              | 7.3             | 7.7               | 6.7            | 6.0 | 6.7  | 6.0             | 6.3  | 6.7 | 5.7  | 6.3  | 6.2  |
| DLFPS-AT/3026       | 5.3              | 6.3             | 7.3               | 8.0            | 5.7 | 6.0  | 6.3             | 6.7  | 6.3 | 5.3  | 4.7  | 5.9  |
| GREENTIME           | 7.7              | 6.7             | 7.0               | 7.3            | 5.3 | 5.3  | 5.7             | 6.3  | 5.0 | 5.7  | 4.3  | 5.4  |
| LSD VALUE           | 0.8              | 2.0             | 1.9               | 1.9            | 0.9 | 1.9  | 1.3             | 2.0  | 0.9 | 1.8  | 1.5  | 0.8  |
| C.V. (%)            | 5.5              | 13.0            | 11.1              | 11.1           | 7.2 | 13.6 | 9.6             | 13.7 | 6.8 | 14.1 | 13.0 | 5.7  |

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 7A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT LOGAN, UT 1/  
2017 DATA

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

| NAME                | QUALITY RATINGS   |      |     |      |      |      |      |      |      |
|---------------------|-------------------|------|-----|------|------|------|------|------|------|
|                     | SPRING<br>GREENUP | APR  | MAY | JUN  | JUL  | AUG  | SEP  | OCT  | MEAN |
| MUSKET (PPG-AT 104) | 7.0               | 5.0  | 7.3 | 6.0  | 7.0  | 6.7  | 5.7  | 5.7  | 6.2  |
| NIGHTLIFE           | 6.7               | 6.0  | 8.7 | 4.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.1  |
| DLFPS-AT/3026       | 7.0               | 5.7  | 7.3 | 6.0  | 6.7  | 6.0  | 5.3  | 4.7  | 6.0  |
| ARMOR               | 7.3               | 5.3  | 8.0 | 4.0  | 6.0  | 6.0  | 6.3  | 5.3  | 5.9  |
| KINGDOM             | 6.3               | 5.7  | 9.0 | 5.0  | 6.0  | 5.0  | 5.7  | 4.7  | 5.9  |
| CRYSTAL BLUE LINKS  | 6.7               | 6.0  | 7.0 | 3.7  | 6.0  | 5.3  | 5.0  | 6.0  | 5.6  |
| PIRANHA (DC-1)      | 6.7               | 6.3  | 7.7 | 3.7  | 6.0  | 4.7  | 5.0  | 5.3  | 5.5  |
| SHARK               | 6.7               | 5.7  | 6.7 | 3.0  | 4.7  | 6.0  | 5.3  | 5.7  | 5.3  |
| CHINOOK (H10G-OP)   | 7.0               | 5.7  | 7.3 | 3.3  | 5.0  | 5.0  | 5.0  | 5.0  | 5.2  |
| V-8                 | 6.0               | 6.0  | 7.3 | 3.3  | 5.7  | 4.7  | 4.3  | 5.3  | 5.2  |
| BARRACUDA           | 7.0               | 5.3  | 7.3 | 3.3  | 5.7  | 5.3  | 4.0  | 4.7  | 5.1  |
| PC2.0 (PST-OCV6)    | 6.7               | 5.7  | 7.3 | 3.3  | 5.3  | 4.7  | 4.0  | 4.7  | 5.0  |
| PST-ORBS            | 6.3               | 5.0  | 7.0 | 3.0  | 4.7  | 5.0  | 4.7  | 5.3  | 5.0  |
| 007                 | 6.3               | 6.0  | 6.7 | 2.3  | 4.3  | 4.7  | 4.7  | 4.7  | 4.8  |
| PENNCROSS           | 5.7               | 4.3  | 5.0 | 2.0  | 5.3  | 5.3  | 5.3  | 5.0  | 4.6  |
| GREENTIME           | 6.3               | 5.0  | 5.0 | 2.0  | 3.7  | 4.7  | 4.7  | 4.7  | 4.2  |
| L-93XD              | 7.0               | 5.3  | 7.0 | 3.0  | 3.7  | 3.7  | 3.7  | 3.3  | 4.2  |
| LSD VALUE           | 1.0               | 1.1  | 1.0 | 0.9  | 1.5  | 2.6  | 1.9  | 2.9  | 0.9  |
| C.V. (%)            | 7.5               | 10.0 | 8.4 | 17.0 | 15.7 | 20.1 | 18.0 | 20.9 | 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 7B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT LOGAN, UT 1/ 2017 DATA

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

| NAME               | QUALITY RATINGS |     |     |      |      |      |      |      |      |
|--------------------|-----------------|-----|-----|------|------|------|------|------|------|
|                    | SPRING GREENUP  | APR | MAY | JUN  | JUL  | AUG  | SEP  | OCT  | MEAN |
| NIGHTLIFE          | 6.7             | 6.0 | 8.7 | 4.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.1  |
| ARMOR              | 7.3             | 5.3 | 8.0 | 4.0  | 6.0  | 6.0  | 6.3  | 5.3  | 5.9  |
| KINGDOM            | 6.3             | 5.7 | 9.0 | 5.0  | 6.0  | 5.0  | 5.7  | 4.7  | 5.9  |
| CRYSTAL BLUE LINKS | 6.7             | 6.0 | 7.0 | 3.7  | 6.0  | 5.3  | 5.0  | 6.0  | 5.6  |
| PIRANHA (DC-1)     | 6.7             | 6.3 | 7.7 | 3.7  | 6.0  | 4.7  | 5.0  | 5.3  | 5.5  |
| SHARK              | 6.7             | 5.7 | 6.7 | 3.0  | 4.7  | 6.0  | 5.3  | 5.7  | 5.3  |
| CHINOOK (H10G-OP)  | 7.0             | 5.7 | 7.3 | 3.3  | 5.0  | 5.0  | 5.0  | 5.0  | 5.2  |
| V-8                | 6.0             | 6.0 | 7.3 | 3.3  | 5.7  | 4.7  | 4.3  | 5.3  | 5.2  |
| BARRACUDA          | 7.0             | 5.3 | 7.3 | 3.3  | 5.7  | 5.3  | 4.0  | 4.7  | 5.1  |
| PC2.0 (PST-OCV6)   | 6.7             | 5.7 | 7.3 | 3.3  | 5.3  | 4.7  | 4.0  | 4.7  | 5.0  |
| PST-ORBS           | 6.3             | 5.0 | 7.0 | 3.0  | 4.7  | 5.0  | 4.7  | 5.3  | 5.0  |
| 007                | 6.3             | 6.0 | 6.7 | 2.3  | 4.3  | 4.7  | 4.7  | 4.7  | 4.8  |
| PENNCROSS          | 5.7             | 4.3 | 5.0 | 2.0  | 5.3  | 5.3  | 5.3  | 5.0  | 4.6  |
| L-93XD             | 7.0             | 5.3 | 7.0 | 3.0  | 3.7  | 3.7  | 3.7  | 3.3  | 4.2  |
| LSD VALUE          | 1.0             | 1.1 | 0.7 | 1.2  | 1.9  | 3.1  | 1.7  | 2.4  | 1.1  |
| C.V. (%)           | 7.5             | 9.8 | 5.9 | 20.0 | 16.9 | 21.8 | 17.0 | 19.4 | 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 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT LOGAN, UT 1/ 2017 DATA

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

| NAME                | QUALITY RATINGS |      |      |     |     |      |      |      |      |
|---------------------|-----------------|------|------|-----|-----|------|------|------|------|
|                     | SPRING GREENUP  | APR  | MAY  | JUN | JUL | AUG  | SEP  | OCT  | MEAN |
| MUSKET (PPG-AT 104) | 7.0             | 5.0  | 7.3  | 6   | 7.0 | 6.7  | 5.7  | 5.7  | 6.2  |
| DLFPS-AT/3026       | 7.0             | 5.7  | 7.3  | 6   | 6.7 | 6.0  | 5.3  | 4.7  | 6.0  |
| GREENTIME           | 6.3             | 5.0  | 5.0  | 2   | 3.7 | 4.7  | 4.7  | 4.7  | 4.2  |
| LSD VALUE           | 0.8             | 1.2  | 2.8  | 0   | 1.2 | 1.5  | 2.3  | 2.3  | 0.8  |
| C.V. (%)            | 4.9             | 10.1 | 18.3 | 0   | 9.1 | 11.5 | 18.6 | 20.0 | 5.9  |

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 8A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER LOW TEMPERATURE/WINTER TOLERANCE AT FARGO, ND 1/  
2017 DATA

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

| NAME                | DENSITY RATINGS |        |      | PERCENT GROUND COVER |        |      | QUALITY RATINGS |     |     |     |     | MEAN |
|---------------------|-----------------|--------|------|----------------------|--------|------|-----------------|-----|-----|-----|-----|------|
|                     | SPRING          | SUMMER | FALL | SPRING               | SUMMER | FALL | MAY             | JUN | JUL | AUG | SEP |      |
| KINGDOM             | 5.0             | 6      | 7.0  | 93.3                 | 93.3   | 99.0 | 5.7             | 6.0 | 6.7 | 7.0 | 7.3 | 6.5  |
| SHARK               | 5.0             | 6      | 7.0  | 95.0                 | 99.0   | 99.0 | 6.7             | 6.7 | 6.0 | 7.3 | 6.0 | 6.5  |
| PST-ORBS            | 4.0             | 6      | 7.0  | 95.0                 | 95.0   | 99.0 | 5.7             | 6.0 | 6.0 | 7.0 | 7.0 | 6.3  |
| CRYSTAL BLUE LINKS  | 6.0             | 6      | 7.0  | 90.0                 | 95.0   | 99.0 | 6.0             | 6.0 | 6.0 | 7.0 | 6.0 | 6.2  |
| PIRANHA (DC-1)      | 5.0             | 6      | 6.0  | 93.3                 | 95.0   | 99.0 | 6.0             | 6.0 | 6.0 | 7.0 | 6.0 | 6.2  |
| 007                 | 4.0             | 6      | 6.0  | 95.0                 | 95.0   | 96.3 | 5.7             | 5.7 | 6.0 | 6.7 | 6.3 | 6.1  |
| CHINOOK (H10G-OP)   | 5.0             | 6      | 7.0  | 90.0                 | 95.0   | 96.0 | 6.3             | 6.0 | 6.0 | 6.3 | 6.0 | 6.1  |
| L-93XD              | 5.0             | 6      | 7.0  | 85.0                 | 90.0   | 95.0 | 5.3             | 5.3 | 6.0 | 7.0 | 7.0 | 6.1  |
| MUSKET (PPG-AT 104) | 4.0             | 5      | 7.0  | 85.0                 | 95.0   | 99.0 | 4.7             | 5.3 | 6.0 | 7.0 | 7.7 | 6.1  |
| PC2.0 (PST-OCV6)    | 4.0             | 6      | 6.3  | 95.0                 | 99.0   | 99.0 | 5.3             | 5.3 | 6.7 | 7.0 | 6.3 | 6.1  |
| PENNCROSS           | 5.3             | 6      | 6.0  | 95.0                 | 90.0   | 99.0 | 4.7             | 5.7 | 7.0 | 7.0 | 6.0 | 6.1  |
| ARMOR               | 5.0             | 6      | 6.0  | 83.3                 | 90.0   | 95.0 | 5.3             | 5.3 | 6.3 | 6.0 | 6.3 | 5.9  |
| BARRACUDA           | 5.0             | 6      | 7.0  | 93.3                 | 99.0   | 99.0 | 5.7             | 5.7 | 5.0 | 7.0 | 6.0 | 5.9  |
| DLFPS-AT/3026       | 4.0             | 6      | 6.0  | 85.0                 | 95.0   | 95.0 | 4.7             | 5.7 | 6.3 | 6.3 | 6.3 | 5.9  |
| NIGHTLIFE           | 4.0             | 5      | 7.0  | 88.3                 | 95.0   | 99.0 | 5.0             | 5.3 | 6.0 | 6.0 | 7.0 | 5.9  |
| V-8                 | 4.0             | 6      | 7.0  | 93.3                 | 95.0   | 99.0 | 5.7             | 5.7 | 5.0 | 6.7 | 6.0 | 5.8  |
| GREENTIME           | 4.7             | 5      | 7.0  | 83.3                 | 91.7   | 95.0 | 4.7             | 5.0 | 6.0 | 6.3 | 6.7 | 5.7  |
| LSD VALUE           | 0.3             | 0      | 0.2  | 4.6                  | 1.5    | 2.3  | 0.8             | 0.9 | 0.4 | 0.6 | 0.6 | 0.4  |
| C.V. (%)            | 4.4             | 0      | 2.1  | 3.2                  | 1.1    | 1.4  | 9.0             | 7.8 | 4.7 | 4.9 | 5.8 | 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 8B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER LOW TEMPERATURE/WINTER TOLERANCE AT FARGO, ND 1/  
2017 DATA

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

| NAME               | DENSITY RATINGS |        |      | PERCENT GROUND COVER |        |      | QUALITY RATINGS |     |     |     |     | MEAN |
|--------------------|-----------------|--------|------|----------------------|--------|------|-----------------|-----|-----|-----|-----|------|
|                    | SPRING          | SUMMER | FALL | SPRING               | SUMMER | FALL | MAY             | JUN | JUL | AUG | SEP |      |
| KINGDOM            | 5.0             | 6      | 7.0  | 93.3                 | 93.3   | 99.0 | 5.7             | 6.0 | 6.7 | 7.0 | 7.3 | 6.5  |
| SHARK              | 5.0             | 6      | 7.0  | 95.0                 | 99.0   | 99.0 | 6.7             | 6.7 | 6.0 | 7.3 | 6.0 | 6.5  |
| PST-ORBS           | 4.0             | 6      | 7.0  | 95.0                 | 95.0   | 99.0 | 5.7             | 6.0 | 6.0 | 7.0 | 7.0 | 6.3  |
| CRYSTAL BLUE LINKS | 6.0             | 6      | 7.0  | 90.0                 | 95.0   | 99.0 | 6.0             | 6.0 | 6.0 | 7.0 | 6.0 | 6.2  |
| PIRANHA (DC-1)     | 5.0             | 6      | 6.0  | 93.3                 | 95.0   | 99.0 | 6.0             | 6.0 | 6.0 | 7.0 | 6.0 | 6.2  |
| 007                | 4.0             | 6      | 6.0  | 95.0                 | 95.0   | 96.3 | 5.7             | 5.7 | 6.0 | 6.7 | 6.3 | 6.1  |
| CHINOOK (H10G-OP)  | 5.0             | 6      | 7.0  | 90.0                 | 95.0   | 96.0 | 6.3             | 6.0 | 6.0 | 6.3 | 6.0 | 6.1  |
| L-93XD             | 5.0             | 6      | 7.0  | 85.0                 | 90.0   | 95.0 | 5.3             | 5.3 | 6.0 | 7.0 | 7.0 | 6.1  |
| PC2.0 (PST-OCV6)   | 4.0             | 6      | 6.3  | 95.0                 | 99.0   | 99.0 | 5.3             | 5.3 | 6.7 | 7.0 | 6.3 | 6.1  |
| PENNCROSS          | 5.3             | 6      | 6.0  | 95.0                 | 90.0   | 99.0 | 4.7             | 5.7 | 7.0 | 7.0 | 6.0 | 6.1  |
| ARMOR              | 5.0             | 6      | 6.0  | 83.3                 | 90.0   | 95.0 | 5.3             | 5.3 | 6.3 | 6.0 | 6.3 | 5.9  |
| BARRACUDA          | 5.0             | 6      | 7.0  | 93.3                 | 99.0   | 99.0 | 5.7             | 5.7 | 5.0 | 7.0 | 6.0 | 5.9  |
| NIGHTLIFE          | 4.0             | 5      | 7.0  | 88.3                 | 95.0   | 99.0 | 5.0             | 5.3 | 6.0 | 6.0 | 7.0 | 5.9  |
| V-8                | 4.0             | 6      | 7.0  | 93.3                 | 95.0   | 99.0 | 5.7             | 5.7 | 5.0 | 6.7 | 6.0 | 5.8  |
| LSD VALUE          | 0.2             | 0      | 0.2  | 5.3                  | 1.2    | 2.7  | 0.8             | 0.9 | 0.4 | 0.5 | 0.5 | 0.3  |
| C.V. (%)           | 3.3             | 0      | 2.3  | 3.4                  | 0.8    | 1.5  | 8.2             | 7.4 | 4.5 | 4.3 | 4.7 | 3.1  |

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 8C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER LOW TEMPERATURE/WINTER TOLERANCE AT FARGO, ND 1/  
2017 DATA

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

| NAME                | DENSITY RATINGS |        |      | PERCENT GROUND COVER |        |      | QUALITY RATINGS |      |     |     |     | MEAN |
|---------------------|-----------------|--------|------|----------------------|--------|------|-----------------|------|-----|-----|-----|------|
|                     | SPRING          | SUMMER | FALL | SPRING               | SUMMER | FALL | MAY             | JUN  | JUL | AUG | SEP |      |
| MUSKET (PPG-AT 104) | 4.0             | 5      | 7    | 85.0                 | 95.0   | 99   | 4.7             | 5.3  | 6.0 | 7.0 | 7.7 | 6.1  |
| DLFPS-AT/3026       | 4.0             | 6      | 6    | 85.0                 | 95.0   | 95   | 4.7             | 5.7  | 6.3 | 6.3 | 6.3 | 5.9  |
| GREENTIME           | 4.7             | 5      | 7    | 83.3                 | 91.7   | 95   | 4.7             | 5.0  | 6.0 | 6.3 | 6.7 | 5.7  |
| LSD VALUE           | 0.8             | 0      | 0    | 3.9                  | 3.9    | 0    | 1.3             | 1.3  | 0.8 | 1.2 | 1.5 | 0.8  |
| C.V. (%)            | 7.9             | 0      | 0    | 2.0                  | 1.8    | 0    | 12.4            | 10.8 | 5.5 | 8.0 | 9.7 | 5.6  |

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 9A. GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | IA1  | IL1 | MI1 | WA1 | MEAN |
|---------------------|------|-----|-----|-----|------|
| KINGDOM             | 9.0  | 7.7 | 7.7 | 8.0 | 8.1  |
| NIGHTLIFE           | 8.3  | 8.0 | 7.7 | 7.7 | 7.9  |
| ARMOR               | 8.0  | 7.0 | 7.3 | 8.0 | 7.6  |
| PIRANHA (DC-1)      | 8.3  | 7.0 | 7.0 | 6.0 | 7.1  |
| CHINOOK (H10G-OP)   | 8.0  | 7.7 | 7.3 | 5.3 | 7.1  |
| 007                 | 7.3  | 7.3 | 7.0 | 6.0 | 6.9  |
| V-8                 | 7.7  | 7.3 | 7.3 | 5.3 | 6.9  |
| CRYSTAL BLUE LINKS  | 6.7  | 7.7 | 7.0 | 5.7 | 6.8  |
| PST-ORBS            | 7.3  | 7.7 | 7.0 | 5.0 | 6.8  |
| SHARK               | 7.0  | 7.7 | 7.0 | 5.3 | 6.8  |
| PC2.0 (PST-OCV6)    | 7.3  | 7.0 | 7.0 | 5.3 | 6.7  |
| GREENTIME           | 7.0  | 6.7 | 6.7 | 6.0 | 6.6  |
| PENNCROSS           | 7.0  | 7.0 | 7.0 | 5.3 | 6.6  |
| BARRACUDA           | 6.3  | 7.7 | 7.0 | 5.0 | 6.5  |
| L-93XD              | 6.0  | 7.3 | 7.0 | 5.0 | 6.3  |
| MUSKET (PPG-AT 104) | 7.0  | 6.0 | 6.3 | 6.0 | 6.3  |
| DLFPS-AT/3026       | 6.3  | 6.0 | 6.0 | 6.0 | 6.1  |
| LSD VALUE           | 1.2  | 0.7 | 0.6 | 0.7 | 0.4  |
| C.V. (%)            | 10.5 | 6.1 | 5.3 | 7.5 | 7.7  |

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

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

TABLE 9B. GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME               | IA1 | IL1 | MI1 | WA1 | MEAN |
|--------------------|-----|-----|-----|-----|------|
| KINGDOM            | 9.0 | 7.7 | 7.7 | 8.0 | 8.1  |
| NIGHTLIFE          | 8.3 | 8.0 | 7.7 | 7.7 | 7.9  |
| ARMOR              | 8.0 | 7.0 | 7.3 | 8.0 | 7.6  |
| PIRANHA (DC-1)     | 8.3 | 7.0 | 7.0 | 6.0 | 7.1  |
| CHINOOK (H10G-OP)  | 8.0 | 7.7 | 7.3 | 5.3 | 7.1  |
| 007                | 7.3 | 7.3 | 7.0 | 6.0 | 6.9  |
| V-8                | 7.7 | 7.3 | 7.3 | 5.3 | 6.9  |
| CRYSTAL BLUE LINKS | 6.7 | 7.7 | 7.0 | 5.7 | 6.8  |
| PST-ORBS           | 7.3 | 7.7 | 7.0 | 5.0 | 6.8  |
| SHARK              | 7.0 | 7.7 | 7.0 | 5.3 | 6.8  |
| PC2.0 (PST-OCV6)   | 7.3 | 7.0 | 7.0 | 5.3 | 6.7  |
| PENNCROSS          | 7.0 | 7.0 | 7.0 | 5.3 | 6.6  |
| BARRACUDA          | 6.3 | 7.7 | 7.0 | 5.0 | 6.5  |
| L-93XD             | 6.0 | 7.3 | 7.0 | 5.0 | 6.3  |
| LSD VALUE          | 1.2 | 0.7 | 0.6 | 0.8 | 0.4  |
| C.V. (%)           | 9.9 | 6.2 | 4.8 | 8.2 | 7.6  |

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

TABLE 9C. GENETIC COLOR RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | IA1  | IL1 | MI1 | WA1 | MEAN |
|---------------------|------|-----|-----|-----|------|
| GREENTIME           | 7.0  | 6.7 | 6.7 | 6   | 6.6  |
| MUSKET (PPG-AT 104) | 7.0  | 6.0 | 6.3 | 6   | 6.3  |
| DLFPS-AT/3026       | 6.3  | 6.0 | 6.0 | 6   | 6.1  |
| LSD VALUE           | 1.4  | 0.5 | 0.8 | 0   | 0.4  |
| C.V. (%)            | 13.0 | 5.4 | 7.4 | 0   | 8.3  |

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

TABLE 10A. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | IL1 | MI1  | NJ1  | MEAN |
|---------------------|-----|------|------|------|
| CRYSTAL BLUE LINKS  | 7.3 | 6.7  | 7.0  | 7.0  |
| CHINOOK (H10G-OP)   | 7.3 | 6.0  | 6.7  | 6.7  |
| V-8                 | 7.3 | 6.7  | 5.7  | 6.6  |
| PIRANHA (DC-1)      | 7.7 | 3.7  | 8.0  | 6.4  |
| GREENTIME           | 7.3 | 6.3  | 5.7  | 6.4  |
| PC2.0 (PST-OCV6)    | 7.3 | 6.7  | 5.3  | 6.4  |
| BARRACUDA           | 7.3 | 5.3  | 6.0  | 6.2  |
| 007                 | 7.7 | 5.0  | 5.7  | 6.1  |
| KINGDOM             | 8.0 | 6.3  | 4.0  | 6.1  |
| ARMOR               | 8.0 | 6.0  | 4.0  | 6.0  |
| MUSKET (PPG-AT 104) | 7.3 | 6.0  | 4.7  | 6.0  |
| L-93XD              | 7.0 | 4.0  | 6.7  | 5.9  |
| PENNCROSS           | 7.0 | 6.7  | 4.0  | 5.9  |
| SHARK               | 7.7 | 5.7  | 4.3  | 5.9  |
| NIGHTLIFE           | 8.0 | 5.7  | 3.7  | 5.8  |
| PST-ORBS            | 7.3 | 6.0  | 4.0  | 5.8  |
| DLFPS-AT/3026       | 7.0 | 6.3  | 3.7  | 5.7  |
| LSD VALUE           | 0.7 | 1.7  | 2.4  | 1.0  |
| C.V. (%)            | 6.2 | 18.0 | 27.9 | 17.4 |

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 10B. SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME               | IL1 | MI1  | NJ1  | MEAN |
|--------------------|-----|------|------|------|
| CRYSTAL BLUE LINKS | 7.3 | 6.7  | 7.0  | 7.0  |
| CHINOOK (H10G-OP)  | 7.3 | 6.0  | 6.7  | 6.7  |
| V-8                | 7.3 | 6.7  | 5.7  | 6.6  |
| PIRANHA (DC-1)     | 7.7 | 3.7  | 8.0  | 6.4  |
| PC2.0 (PST-OCV6)   | 7.3 | 6.7  | 5.3  | 6.4  |
| BARRACUDA          | 7.3 | 5.3  | 6.0  | 6.2  |
| 007                | 7.7 | 5.0  | 5.7  | 6.1  |
| KINGDOM            | 8.0 | 6.3  | 4.0  | 6.1  |
| ARMOR              | 8.0 | 6.0  | 4.0  | 6.0  |
| L-93XD             | 7.0 | 4.0  | 6.7  | 5.9  |
| PENNCROSS          | 7.0 | 6.7  | 4.0  | 5.9  |
| SHARK              | 7.7 | 5.7  | 4.3  | 5.9  |
| NIGHTLIFE          | 8.0 | 5.7  | 3.7  | 5.8  |
| PST-ORBS           | 7.3 | 6.0  | 4.0  | 5.8  |
| LSD VALUE          | 0.7 | 1.7  | 2.3  | 1.0  |
| C.V. (%)           | 6.2 | 18.0 | 26.6 | 16.9 |

- 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 10C. SPRING GREENUP RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | IL1 | MI1  | NJ1  | MEAN |
|---------------------|-----|------|------|------|
| GREENTIME           | 7.3 | 6.3  | 5.7  | 6.4  |
| MUSKET (PPG-AT 104) | 7.3 | 6.0  | 4.7  | 6.0  |
| DLFPS-AT/3026       | 7.0 | 6.3  | 3.7  | 5.7  |
| LSD VALUE           | 0.8 | 1.8  | 2.6  | 1.1  |
| C.V. (%)            | 6.5 | 17.8 | 35.0 | 19.4 |

- 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 11A. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | NJ1  |
|---------------------|------|
| PIRANHA (DC-1)      | 8.0  |
| MUSKET (PPG-AT 104) | 7.3  |
| BARRACUDA           | 7.0  |
| DLFPS-AT/3026       | 7.0  |
| 007                 | 6.7  |
| L-93XD              | 6.7  |
| CHINOOK (H10G-OP)   | 6.3  |
| V-8                 | 6.3  |
| ARMOR               | 5.7  |
| PST-ORBS            | 5.7  |
| SHARK               | 5.7  |
| CRYSTAL BLUE LINKS  | 5.0  |
| GREENTIME           | 5.0  |
| KINGDOM             | 5.0  |
| NIGHTLIFE           | 5.0  |
| PC2.0 (PST-OCV6)    | 4.7  |
| PENNCROSS           | 3.7  |
| LSD VALUE           | 1.1  |
| C.V. (%)            | 11.8 |

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 11B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME               | NJ1  |
|--------------------|------|
| PIRANHA (DC-1)     | 8.0  |
| BARRACUDA          | 7.0  |
| 007                | 6.7  |
| L-93XD             | 6.7  |
| CHINOOK (H10G-OP)  | 6.3  |
| V-8                | 6.3  |
| ARMOR              | 5.7  |
| PST-ORBS           | 5.7  |
| SHARK              | 5.7  |
| CRYSTAL BLUE LINKS | 5.0  |
| KINGDOM            | 5.0  |
| NIGHTLIFE          | 5.0  |
| PC2.0 (PST-OCV6)   | 4.7  |
| PENNCROSS          | 3.7  |
| LSD VALUE          | 1.1  |
| C.V. (%)           | 12.2 |

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

TABLE 11C. LEAF TEXTURE RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | NJ1  |
|---------------------|------|
| MUSKET (PPG-AT 104) | 7.3  |
| DLFPS-AT/3026       | 7.0  |
| GREENTIME           | 5.0  |
| LSD VALUE           | 1.1  |
| C.V. (%)            | 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 12A. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | NJ1  |
|---------------------|------|
| PIRANHA (DC-1)      | 7.3  |
| CHINOOK (H10G-OP)   | 6.7  |
| DLFPS-AT/3026       | 6.7  |
| 007                 | 6.3  |
| BARRACUDA           | 6.3  |
| L-93XD              | 6.0  |
| ARMOR               | 5.7  |
| KINGDOM             | 5.7  |
| MUSKET (PPG-AT 104) | 5.7  |
| V-8                 | 5.7  |
| SHARK               | 5.3  |
| NIGHTLIFE           | 5.0  |
| CRYSTAL BLUE LINKS  | 4.7  |
| GREENTIME           | 4.7  |
| PST-ORBS            | 4.7  |
| PC2.0 (PST-OCV6)    | 4.0  |
| PENNCROSS           | 4.0  |
| LSD VALUE           | 1.3  |
| C.V. (%)            | 14.7 |

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. FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME               | NJ1  |
|--------------------|------|
| PIRANHA (DC-1)     | 7.3  |
| CHINOOK (H10G-OP)  | 6.7  |
| 007                | 6.3  |
| BARRACUDA          | 6.3  |
| L-93XD             | 6.0  |
| ARMOR              | 5.7  |
| KINGDOM            | 5.7  |
| V-8                | 5.7  |
| SHARK              | 5.3  |
| NIGHTLIFE          | 5.0  |
| CRYSTAL BLUE LINKS | 4.7  |
| PST-ORBS           | 4.7  |
| PC2.0 (PST-OCV6)   | 4.0  |
| PENNCROSS          | 4.0  |
| LSD VALUE          | 1.2  |
| 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 12C. FALL DENSITY RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | NJ1  |
|---------------------|------|
| DLFPS-AT/3026       | 6.7  |
| MUSKET (PPG-AT 104) | 5.7  |
| GREENTIME           | 4.7  |
| LSD VALUE           | 1.9  |
| C.V. (%)            | 20.4 |

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

TABLE 13A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | IA1  | MD1  | NJ1  | MEAN |
|---------------------|------|------|------|------|
| CHINOOK (H10G-OP)   | 7.7  | 8.0  | 9.0  | 8.2  |
| DLFPS-AT/3026       | 8.7  | 8.0  | 8.0  | 8.2  |
| MUSKET (PPG-AT 104) | 7.3  | 7.7  | 8.3  | 7.8  |
| PIRANHA (DC-1)      | 8.0  | 6.3  | 9.0  | 7.8  |
| L-93XD              | 8.3  | 7.3  | 7.0  | 7.6  |
| 007                 | 8.0  | 6.7  | 7.3  | 7.3  |
| BARRACUDA           | 8.3  | 5.3  | 6.7  | 6.8  |
| V-8                 | 7.0  | 6.0  | 7.3  | 6.8  |
| CRYSTAL BLUE LINKS  | 7.7  | 6.7  | 5.7  | 6.7  |
| KINGDOM             | 7.7  | 5.7  | 5.3  | 6.2  |
| GREENTIME           | 7.0  | 6.0  | 4.7  | 5.9  |
| NIGHTLIFE           | 7.3  | 4.7  | 4.7  | 5.6  |
| SHARK               | 6.7  | 4.7  | 5.3  | 5.6  |
| PENNCROSS           | 6.3  | 5.7  | 2.3  | 4.8  |
| PC2.0 (PST-OCV6)    | 6.0  | 6.3  | 1.7  | 4.7  |
| PST-ORBS            | 6.3  | 5.7  | 1.3  | 4.4  |
| ARMOR               | 7.0  | 4.0  | 1.7  | 4.2  |
| LSD VALUE           | 1.3  | 2.0  | 2.0  | 1.0  |
| C.V. (%)            | 10.7 | 20.5 | 22.6 | 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 13B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

| DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ |      |      |      |      |
|--|------|------|------|------|
| NAME                                     | IA1  | MD1  | NJ1  | MEAN |
| CHINOOK (H10G-OP)                        | 7.7  | 8.0  | 9.0  | 8.2  |
| PIRANHA (DC-1)                           | 8.0  | 6.3  | 9.0  | 7.8  |
| L-93XD                                   | 8.3  | 7.3  | 7.0  | 7.6  |
| 007                                      | 8.0  | 6.7  | 7.3  | 7.3  |
| BARRACUDA                                | 8.3  | 5.3  | 6.7  | 6.8  |
| V-8                                      | 7.0  | 6.0  | 7.3  | 6.8  |
| CRYSTAL BLUE LINKS                       | 7.7  | 6.7  | 5.7  | 6.7  |
| KINGDOM                                  | 7.7  | 5.7  | 5.3  | 6.2  |
| NIGHTLIFE                                | 7.3  | 4.7  | 4.7  | 5.6  |
| SHARK                                    | 6.7  | 4.7  | 5.3  | 5.6  |
| PENNCROSS                                | 6.3  | 5.7  | 2.3  | 4.8  |
| PC2.0 (PST-OCV6)                         | 6.0  | 6.3  | 1.7  | 4.7  |
| PST-ORBS                                 | 6.3  | 5.7  | 1.3  | 4.4  |
| ARMOR                                    | 7.0  | 4.0  | 1.7  | 4.2  |
| LSD VALUE                                | 1.3  | 2.2  | 2.2  | 1.1  |
| C.V. (%)                                 | 11.0 | 22.8 | 25.5 | 19.4 |

- 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 13C. DOLLAR SPOT RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

| DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ |     |     |      |      |
|--|-----|-----|------|------|
| NAME                                     | IA1 | MD1 | NJ1  | MEAN |
| DLFPS-AT/3026                            | 8.7 | 8.0 | 8.0  | 8.2  |
| MUSKET (PPG-AT 104)                      | 7.3 | 7.7 | 8.3  | 7.8  |
| GREENTIME                                | 7.0 | 6.0 | 4.7  | 5.9  |
| LSD VALUE                                | 1.2 | 1.1 | 1.2  | 0.7  |
| C.V. (%)                                 | 9.7 | 9.2 | 10.6 | 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 14A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS 1/  
 GROWN ON A FAIRWAY OR TEE  
 2017 DATA

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

| NAME                | IA1  |
|---------------------|------|
| ARMOR               | 9.0  |
| CHINOOK (H10G-OP)   | 9.0  |
| CRYSTAL BLUE LINKS  | 9.0  |
| KINGDOM             | 9.0  |
| L-93XD              | 9.0  |
| NIGHTLIFE           | 9.0  |
| PIRANHA (DC-1)      | 9.0  |
| SHARK               | 9.0  |
| V-8                 | 9.0  |
| BARRACUDA           | 8.7  |
| PC2.0 (PST-OCV6)    | 8.7  |
| DLFPS-AT/3026       | 8.3  |
| PENNCROSS           | 8.3  |
| 007                 | 8.0  |
| GREENTIME           | 8.0  |
| PST-ORBS            | 7.3  |
| MUSKET (PPG-AT 104) | 5.0  |
| LSD VALUE           | 1.8  |
| C.V. (%)            | 13.4 |

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

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

TABLE 14B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME               | IA1  |
|--------------------|------|
| ARMOR              | 9.0  |
| CHINOOK (H10G-OP)  | 9.0  |
| CRYSTAL BLUE LINKS | 9.0  |
| KINGDOM            | 9.0  |
| L-93XD             | 9.0  |
| NIGHTLIFE          | 9.0  |
| PIRANHA (DC-1)     | 9.0  |
| SHARK              | 9.0  |
| V-8                | 9.0  |
| BARRACUDA          | 8.7  |
| PC2.0 (PST-OCV6)   | 8.7  |
| PENNCROSS          | 8.3  |
| 007                | 8.0  |
| PST-ORBS           | 7.3  |
| LSD VALUE          | 1.6  |
| C.V. (%)           | 11.2 |

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 14C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | IA1  |
|---------------------|------|
| DLFPS-AT/3026       | 8.3  |
| GREENTIME           | 8.0  |
| MUSKET (PPG-AT 104) | 5.0  |
| LSD VALUE           | 2.7  |
| C.V. (%)            | 23.4 |

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 15A. ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

| NAME                | NJ1  |
|---------------------|------|
| DLFPS-AT/3026       | 9.0  |
| GREENTIME           | 9.0  |
| MUSKET (PPG-AT 104) | 9.0  |
| PC2.0 (PST-OCV6)    | 9.0  |
| L-93XD              | 8.7  |
| V-8                 | 8.7  |
| SHARK               | 8.0  |
| ARMOR               | 7.3  |
| CHINOOK (H10G-OP)   | 7.3  |
| PIRANHA (DC-1)      | 7.0  |
| BARRACUDA           | 6.7  |
| NIGHTLIFE           | 6.7  |
| 007                 | 6.3  |
| KINGDOM             | 6.0  |
| PST-ORBS            | 5.3  |
| CRYSTAL BLUE LINKS  | 4.3  |
| PENNCROSS           | 3.3  |
| LSD VALUE           | 2.3  |
| C.V. (%)            | 19.6 |

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

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



TABLE 15B. ANTHRACNOSE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

| NAME               | NJ1  |
|--------------------|------|
| PC2.0 (PST-OCV6)   | 9.0  |
| L-93XD             | 8.7  |
| V-8                | 8.7  |
| SHARK              | 8.0  |
| ARMOR              | 7.3  |
| CHINOOK (H10G-OP)  | 7.3  |
| PIRANHA (DC-1)     | 7.0  |
| BARRACUDA          | 6.7  |
| NIGHTLIFE          | 6.7  |
| 007                | 6.3  |
| KINGDOM            | 6.0  |
| PST-ORBS           | 5.3  |
| CRYSTAL BLUE LINKS | 4.3  |
| PENNCROSS          | 3.3  |
| LSD VALUE          | 2.5  |
| C.V. (%)           | 22.8 |

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

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

TABLE 15C. ANTHRACNOSE RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

| NAME                | NJ1 |
|---------------------|-----|
| DLFPS-AT/3026       | 9   |
| GREENTIME           | 9   |
| MUSKET (PPG-AT 104) | 9   |
| C.V. (%)            | 0   |
| LSD VALUE           | 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 16A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | IL1 | NJ1  | MEAN |
|---------------------|-----|------|------|
| CHINOOK (H10G-OP)   | 7.7 | 8.0  | 7.8  |
| 007                 | 7.7 | 7.3  | 7.5  |
| PIRANHA (DC-1)      | 7.0 | 8.0  | 7.5  |
| L-93XD              | 7.3 | 6.7  | 7.0  |
| BARRACUDA           | 7.7 | 6.0  | 6.8  |
| V-8                 | 7.0 | 6.3  | 6.7  |
| KINGDOM             | 7.3 | 5.7  | 6.5  |
| SHARK               | 7.7 | 5.3  | 6.5  |
| ARMOR               | 7.0 | 5.7  | 6.3  |
| NIGHTLIFE           | 7.7 | 5.0  | 6.3  |
| PST-ORBS            | 7.7 | 4.7  | 6.2  |
| CRYSTAL BLUE LINKS  | 7.3 | 5.0  | 6.2  |
| PC2.0 (PST-OCV6)    | 7.3 | 4.7  | 6.0  |
| PENNCROSS           | 8.0 | 3.7  | 5.8  |
| DLFPS-AT/3026       | 7.7 | 3.7  | 5.7  |
| GREENTIME           | 7.3 | 3.7  | 5.5  |
| MUSKET (PPG-AT 104) | 6.3 | 3.0  | 4.7  |
| LSD VALUE           | 0.8 | 1.4  | 0.8  |
| C.V. (%)            | 6.8 | 15.9 | 11.0 |

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

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

TABLE 16B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME               | IL1 | NJ1  | MEAN |
|--------------------|-----|------|------|
| CHINOOK (H10G-OP)  | 7.7 | 8.0  | 7.8  |
| 007                | 7.7 | 7.3  | 7.5  |
| PIRANHA (DC-1)     | 7.0 | 8.0  | 7.5  |
| L-93XD             | 7.3 | 6.7  | 7.0  |
| BARRACUDA          | 7.7 | 6.0  | 6.8  |
| V-8                | 7.0 | 6.3  | 6.7  |
| KINGDOM            | 7.3 | 5.7  | 6.5  |
| SHARK              | 7.7 | 5.3  | 6.5  |
| ARMOR              | 7.0 | 5.7  | 6.3  |
| NIGHTLIFE          | 7.7 | 5.0  | 6.3  |
| PST-ORBS           | 7.7 | 4.7  | 6.2  |
| CRYSTAL BLUE LINKS | 7.3 | 5.0  | 6.2  |
| PC2.0 (PST-OCV6)   | 7.3 | 4.7  | 6.0  |
| PENNCROSS          | 8.0 | 3.7  | 5.8  |
| LSD VALUE          | 0.8 | 1.5  | 0.8  |
| C.V. (%)           | 6.5 | 15.8 | 11.1 |

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 16C. FALL COLOR (NOVEMBER) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

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

| NAME                | IL1 | NJ1  | MEAN |
|---------------------|-----|------|------|
| DLFPS-AT/3026       | 7.7 | 3.7  | 5.7  |
| GREENTIME           | 7.3 | 3.7  | 5.5  |
| MUSKET (PPG-AT 104) | 6.3 | 3.0  | 4.7  |
| LSD VALUE           | 0.9 | 0.8  | 0.6  |
| C.V. (%)            | 8.1 | 13.7 | 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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE  
2017 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

| NAME                | QUALITY | MAXIMUM       |
|---------------------|---------|---------------|
|                     | MEAN 1/ | IN TOP 25% 2/ |
| 007                 | 6.5     | 11.1          |
| ARMOR               | 6.0     | 22.2          |
| BARRACUDA           | 6.5     | 44.4          |
| CHINOOK (H10G-OP)   | 6.7     | 66.7          |
| CRYSTAL BLUE LINKS  | 6.4     | 22.2          |
| DLFPS-AT/3026       | 6.1     | 11.1          |
| GREENTIME           | 5.6     | 11.1          |
| KINGDOM             | 6.2     | 22.2          |
| L-93XD              | 6.4     | 22.2          |
| MUSKET (PPG-AT 104) | 6.0     | 0.0           |
| NIGHTLIFE           | 6.4     | 44.4          |
| PC2.0 (PST-OCV6)    | 6.1     | 11.1          |
| PENNCROSS           | 5.3     | 0.0           |
| PIRANHA (DC-1)      | 6.7     | 22.2          |
| PST-ORBS            | 5.9     | 11.1          |
| SHARK               | 6.4     | 11.1          |
| V-8                 | 6.4     | 33.3          |
| LSD VALUE           | 0.3     |               |
| C.V. (%)            | 8.0     |               |

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

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

1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.

2/ MAXIMUM IN TOP 25%: THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.