# NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

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

## CURRENT POLICY COMMITTEE MEMBERS:

Mr. Bill Dunn, Seed Research of Oregon, Inc.
Mr. Ryan Jeffries, Columbia Seeds, Inc.
Dr. Mike Kenna, USGA Green Section
Dr. Jason Kruse, University of Florida
Dr. David Kopec, University of Arizona
Mr. Gary Wilbur, Oakwood Sod Farms
Mr. Mark Johnson, Golf Course Superintendents Assoc. of America
Dr. Eric Watkins, University of Minnesota
Mr. Steve Reid, DLF Pickseed USA
Dr. Scott Ebdon, University of Massachusetts

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**2014 National Bentgrass (Putting Green) Test - 2015 data**

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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**
**(Putting Green)**

**LOCATIONS SUBMITTING DATA FOR 2015**

| State | Location | Code |
|-------|----------|------|
| Arkansas | Fayetteville | AR1 |
| California | San Francisco (California Golf Club) | CA5 |
| California | Los Angeles (Los Angeles C.C.) | CA6 |
| | | |
| Illinois | Glenview (North Shore C.C.) | IL4 |
| Indiana | West Lafayette | IN1 |
| Iowa | Ames | IA1 |
| | | |
| Kansas | Manhattan | KS1 |
| Kentucky | Lexington | KY1 |
| Massachusetts | Amherst (Traffic Study) | MA1 |
| | | |
| Michigan | East Lansing | MI1 |
| Minnesota | St. Paul | MN1 |
| Missouri | Columbia | MO1 |
| | | |
| New Jersey | North Brunswick | NJ1 |
| North Carolina | Raleigh | NC1 |
| Oklahoma | Stillwater | OK1 |
| | | |
| Utah | Logan | UT1 |
| Utah | Logan (Drought) | UT2 |
| Virginia | Blacksburg | VA1 |

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## 2014 NATIONAL BENTGRASS TEST
## (Putting Green)

### Entries and Sponsors

| Entry No | Name | Species | Sponsor |
|---|---|---|---|
| *1 | Luminary | Creeping | Standard |
| *2 | DLFPS-AP/3054 | Creeping | DLF Pickseed USA |
| 3 | DLFPS-AP/3018 | Creeping | DLF Pickseed USA |
| 4 | DLFPS-AP/3056 | Creeping | DLF Pickseed  USA |
| 5 | DLFPS-AP/3058 | Creeping | DLF Pickseed USA |
| 6 | DLFPS-AP/3059 | Creeping | DLF Pickseed USA |
| *7 | Pure Select | Creeping | Tee-2-Green Corp. |
| *8 | Penn A-1 | Creeping | Standard |
| *9 | Penncross | Creeping | Standard |
| *10 | L-93XD | Creeping | Jacklin Seed by Simplot® |
| *11 | Armor | Creeping | Jacklin Seed by Simplot® |
| *12 | Kingdom | Creeping | Jacklin Seed by Simplot® |
| *13 | Nightlife | Creeping | Jacklin Seed by Simplot® |
| *14 | V-8 | Creeping | Standard |
| 15 | GDE | Creeping | SemillasFito |
| *16 | Piranha (DC-1) | Creeping | Mountain View Seeds & Toyo Green Co. Ltd. |
| 17 | PST-ROPS | Creeping | Pure Seed Testing, Inc |
| *18 | Shark | Creeping | Mountain View Seeds |
| *19 | Barracuda | Creeping | Mountain View Seeds |
| *20 | Declaration | Creeping | Standard |

**\* Commercially Available in the USA in 2016**

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TABLE A.                          2015 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
                                           THE 2014 NATIONAL BENTGRASS (GREEN) 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 |
|---|---|---|---|---|---|---|---|---|
| AR1 | SAND | 6.1-6.5 | 0-60 | 0-150 | 4.1-5.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| CA5 | SAND | 6.6-7.0 | 0-60 | 151-240 | 0.0-1.0 | FULL SUN | 0.0-0.5 | ONLY DURING SEVERE STRESS |
| CA6 | SAND | 7.1-7.5 | 0-60 | 151-240 | 2.1-3.0 | LIGHT SHADE | 0.0-0.5 | 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 | TO PREVENT STRESS |
| IL4 | SAND | - | 61-150 | 0-150 | - | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| 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 | SAND | 7.6-8.5 | 0-60 | 0-150 | 3.1-4.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| MA1 | SAND | 5.6-6.0 | 0-60 | 241-375 | 3.1-4.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| MI1 | - | - | - | - | - | - | - | - |
| MN1 | SAND | 7.1-7.5 | 0-60 | 0-150 | 2.1-3.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| MO1 | - | - | - | - | - | - | - | - |
| NC1 | SILTY CLAY LOAM | 6.1-6.5 | 61-150 | 0-150 | 3.1-4.0 | FULL SUN | 2.1-2.5 | TO PREVENT STRESS |
| NJ1 | SAND | 6.1-6.5 | 0-60 | 151-240 | 1.1-2.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| OK1 | SAND | 7.1-7.5 | 0-60 | 241-375 | 3.1-4.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| UT1 | - | - | - | - | - | - | - | - |
| UT2 | - | - | - | - | - | - | - | - |
| VA1 | SILTY CLAY LOAM | 6.1-6.5 | 61-150 | 151-240 | 3.1-4.0 | FULL SUN | 0.6-1.0 | TO PREVENT DORMANCY |

TABLE B.                                         LOCATIONS AND DATA COLLECTED IN 2015

| LOCATION | JANUARY QUALITY RATING | FEBRUARY QUALITY RATING | MARCH QUALITY RATING | APRIL QUALITY RATING | MAY QUALITY RATING | JUNE QUALITY RATING | JULY QUALITY RATING | AUGUST QUALITY RATING | SEPTEMBER QUALITY RATING | OCTOBER QUALITY RATING | NOVEMBER QUALITY RATING | DECEMBER QUALITY RATING | GENETIC COLOR | SPRING GREENUP | LEAF TEXTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR1 |   |   |   |   | X | X | X | X | X |   |   |   | X |   |   |
| CA5 | X | X | X | X | X | X | X | X | X | X | X | X | X |   |   |
| CA6 | X | X | X | X | X | X | X | X | X | X | X | X | X |   |   |
| IA1 |   |   |   | X | X | X | X | X | X | X |   |   | X |   |   |
| IL4 |   |   |   | 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 | X | X |   |   |   |   |
| MA1 |   |   |   |   |   |   |   | X | X | X | X |   |   |   |   |
| MI1 |   |   |   |   | X | X | X | X |   | X |   |   | X | X |   |
| MN1 |   |   |   | X | X | X | X | X | X | X |   |   | X | X |   |
| MO1 |   |   |   | X | X | X | X | X | X | X |   |   |   |   |   |
| NC1 |   |   |   | X | X | X | X | X | X | X | X |   | X |   |   |
| NJ1 |   |   |   | X | X | X | X | X | X | X | X |   | X | X | X |
| OK1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| UT1 |   |   |   |   |   |   |   | X | X | X |   |   |   |   |   |
| UT2 |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |
| VA1 |   |   |   |   |   | X | X | X | X | X | X |   | X |   |   |

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TABLE B. (CONT'D)                    LOCATIONS AND DATA COLLECTED IN 2015

| LOCATION | SEEDLING VIGOR | SPRING DENSITY | SUMMER DENSITY | FALL DENSITY | PERCENT COVER SPRING | PERCENT COVER SUMMER | PERCENT COVER FALL | WINTER COLOR | DOLLAR SPOT | BROWN PATCH WARM TEMP. | PINK SNOW MOLD | FALL COLOR OCTOBER | PERCENT ESTABLISH-MENT | WEAR TOLERANCE SEP | OCT | NOV | PERCENT DOLLAR SPOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR1 | X | | | | X | X | | | | | | | | | | | |
| CA5 | X | | X | | | | | | X | | X | | | | | | |
| CA6 | X | | | | | | | | X | | | | | | | | |
| IA1 | | | | | | | | | | | | | | | | | |
| IL4 | | | | | | | | | | | | X | X | | | | |
| IN1 | | | X | | | | | | | | | | | | | | |
| KS1 | | | | | | | | | X | X | | | | | | | |
| KY1 | | | | | X | X | | | | | | | X | | | | |
| MA1 | | | | | | | | | | | | | X | X | X | X | |
| MI1 | | | | | | | | | | | | | X | | | | |
| MN1 | | | X | X | | | | | | | | | X | | | | X |
| MO1 | X | | | | | | | | X | X | X | | X | | | | |
| NC1 | X | X | X | X | X | X | X | | X | | | | X | | | | |
| NJ1 | X | | | X | | | X | | | | | | | | | | |
| OK1 | | | | | | | | | | | | | X | | | | |
| UT1 | X | | | | | | | | | | | | | | | | |
| UT2 | X | | | | | | | | | | | | | | | | |
| VA1 | | | | | X | | | | | | | | | | | | |

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TABLE 1.          MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON  1/
                  A GREEN AT SIX LOCATIONS IN THE U.S. FOR LPI GROUP 1 **/
                                    2015 DATA


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

| NAME | NJ1 | MO1 | NC1 | MN1 | IN1 | MI1 | MEAN |
|------|-----|-----|-----|-----|-----|-----|------|
| * L-93 XD | 7.7 | 6.0 | 7.3 | 5.8 | 7.6 | 6.6 | 6.8 |
| * 777 (DLFPS-AP/3054) | 7.4 | 5.9 | 7.2 | 5.8 | 7.6 | 6.6 | 6.7 |
| DLFPS-AP/3018 | 7.0 | 5.7 | 7.1 | 5.7 | 7.5 | 6.5 | 6.6 |
| * PIRANHA (DC-1) | 7.0 | 5.6 | 7.1 | 5.6 | 7.4 | 6.4 | 6.5 |
| GDE | 6.5 | 5.5 | 7.0 | 5.7 | 7.5 | 6.6 | 6.5 |
| DLFPS-AP/3058 | 6.8 | 5.5 | 7.0 | 5.5 | 7.4 | 6.4 | 6.4 |
| PST-ROPS | 6.7 | 5.5 | 6.9 | 5.5 | 7.4 | 6.4 | 6.4 |
| * V-8 | 6.4 | 5.4 | 6.9 | 5.6 | 7.4 | 6.4 | 6.4 |
| * SHARK | 6.3 | 5.4 | 6.9 | 5.5 | 7.4 | 6.4 | 6.3 |
| DLFPS-AP/3056 | 6.2 | 5.3 | 6.8 | 5.4 | 7.3 | 6.3 | 6.2 |
| * PURE SELECT | 6.2 | 5.2 | 6.7 | 5.4 | 7.3 | 6.3 | 6.2 |
| * BARRACUDA | 5.8 | 5.1 | 6.7 | 5.4 | 7.3 | 6.3 | 6.1 |
| * LUMINARY | 6.1 | 5.2 | 6.7 | 5.3 | 7.2 | 6.2 | 6.1 |
| * NIGHTLIFE | 5.6 | 5.0 | 6.6 | 5.3 | 7.3 | 6.3 | 6.0 |
| * KINGDOM | 5.3 | 4.9 | 6.5 | 5.2 | 7.2 | 6.2 | 5.9 |
| DLFPS-AP/3059 | 4.9 | 4.6 | 6.2 | 5.0 | 7.0 | 6.0 | 5.6 |
| * DECLARATION | 4.8 | 4.6 | 6.2 | 5.1 | 7.0 | 6.1 | 5.6 |
| * ARMOR | 4.8 | 4.6 | 6.2 | 5.0 | 7.0 | 6.0 | 5.6 |
| * PENN A-1 | 4.4 | 4.4 | 6.1 | 4.9 | 6.9 | 6.0 | 5.5 |
| * PENNCROSS | 1.5 | 2.7 | 4.5 | 3.6 | 5.8 | 4.9 | 3.8 |
|  |  |  |  |  |  |  |  |
| LSD VALUE | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| C.V. (%) | 8.5 | 9.8 | 7.6 | 9.4 | 6.9 | 8.0 | 8.3 |


*    COMMERCIALLY AVAILABLE IN THE USA IN 2016.


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


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


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

TABLE 2.    MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON  1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR LPI GROUP 2 */
2015 DATA


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

| NAME | VA1 | KY1 | KS1 | AR1 | IA1 | MEAN |
|------|-----|-----|-----|-----|-----|------|
| GDE | 6.4 | 6.8 | 6.1 | 6.2 | 5.5 | 6.2 |
| SHARK | 6.3 | 6.7 | 5.9 | 6.1 | 5.4 | 6.1 |
| V-8 | 6.3 | 6.7 | 5.9 | 6.1 | 5.4 | 6.1 |
| BARRACUDA | 6.3 | 6.6 | 5.9 | 6.0 | 5.5 | 6.1 |
| DLFPS-AP/3018 | 6.4 | 6.6 | 5.9 | 6.0 | 5.3 | 6.0 |
| NIGHTLIFE | 6.2 | 6.6 | 5.9 | 6.0 | 5.5 | 6.0 |
| L-93 XD | 6.4 | 6.6 | 5.9 | 6.0 | 5.1 | 6.0 |
| 777 (DLFPS-AP/3054) | 6.4 | 6.6 | 5.9 | 6.0 | 5.2 | 6.0 |
| DLFPS-AP/3056 | 6.2 | 6.6 | 5.8 | 6.0 | 5.4 | 6.0 |
| KINGDOM | 6.1 | 6.5 | 5.8 | 6.0 | 5.5 | 6.0 |
| PIRANHA (DC-1) | 6.3 | 6.6 | 5.8 | 5.9 | 5.2 | 6.0 |
| DECLARATION | 6.0 | 6.5 | 5.8 | 5.9 | 5.5 | 5.9 |
| PURE SELECT | 6.2 | 6.5 | 5.8 | 5.9 | 5.3 | 5.9 |
| PST-ROPS | 6.2 | 6.5 | 5.8 | 5.9 | 5.2 | 5.9 |
| DLFPS-AP/3058 | 6.2 | 6.5 | 5.8 | 5.9 | 5.1 | 5.9 |
| PENN A-1 | 5.9 | 6.4 | 5.7 | 5.9 | 5.5 | 5.9 |
| DLFPS-AP/3059 | 6.0 | 6.4 | 5.7 | 5.8 | 5.4 | 5.9 |
| LUMINARY | 6.1 | 6.4 | 5.7 | 5.8 | 5.2 | 5.8 |
| ARMOR | 5.9 | 6.4 | 5.7 | 5.8 | 5.4 | 5.8 |
| PENNCROSS | 4.9 | 5.5 | 5.0 | 5.1 | 5.1 | 5.1 |
| | | | | | | |
| LSD VALUE | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| C.V. (%) | 8.2 | 7.7 | 8.7 | 8.5 | 9.4 | 8.4 |

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

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

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

TABLE 3.     MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA  1/
2015 DATA


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

| NAME | PERCENT ESTABLISH- MENT | WEAR TOLERANCE RATINGS | | | QUALITY RATINGS | | | | |
|------|------|------|------|------|------|------|------|------|------|
| | | SEPTEMBER | OCTOBER | NOVEMBER | AUG | SEP | OCT | NOV | MEAN |
| GDE | 48.3 | 6.7 | 6.7 | 6.3 | 6.3 | 6.7 | 6.3 | 6.3 | 6.4 |
| KINGDOM | 48.3 | 5.3 | 6.3 | 5.7 | 6.0 | 6.3 | 6.0 | 5.7 | 6.0 |
| BARRACUDA | 45.0 | 5.3 | 6.0 | 5.3 | 6.0 | 6.3 | 6.0 | 5.3 | 5.9 |
| DLFPS-AP/3059 | 43.3 | 5.3 | 6.0 | 6.0 | 5.7 | 6.0 | 6.3 | 5.7 | 5.9 |
| DLFPS-AP/3018 | 41.7 | 6.3 | 6.3 | 5.7 | 5.7 | 6.0 | 6.0 | 5.3 | 5.8 |
| DLFPS-AP/3056 | 40.0 | 6.3 | 5.0 | 5.3 | 5.7 | 5.3 | 6.0 | 6.3 | 5.8 |
| NIGHTLIFE | 43.3 | 5.3 | 6.0 | 6.7 | 5.0 | 6.3 | 6.0 | 5.7 | 5.8 |
| PST-ROPS | 41.7 | 5.3 | 5.3 | 4.7 | 5.7 | 5.7 | 6.0 | 5.3 | 5.7 |
| DLFPS-AP/3058 | 41.7 | 5.3 | 5.0 | 5.0 | 5.3 | 5.7 | 6.0 | 5.3 | 5.6 |
| PURE SELECT | 40.0 | 5.7 | 5.3 | 5.3 | 5.0 | 5.3 | 6.3 | 5.7 | 5.6 |
| PIRANHA (DC-1) | 38.3 | 5.3 | 5.0 | 4.7 | 5.3 | 5.7 | 5.7 | 5.3 | 5.5 |
| 777 (DLFPS-AP/3054) | 40.0 | 5.3 | 5.7 | 5.0 | 5.0 | 5.7 | 5.3 | 5.3 | 5.3 |
| DECLARATION | 36.7 | 5.0 | 4.7 | 4.7 | 5.3 | 5.0 | 5.3 | 5.3 | 5.3 |
| L-93 XD | 36.7 | 4.7 | 5.3 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 |
| LUMINARY | 33.3 | 5.0 | 5.0 | 5.3 | 4.7 | 5.3 | 5.3 | 5.3 | 5.2 |
| ARMOR | 38.3 | 5.0 | 5.0 | 4.7 | 5.0 | 5.3 | 5.3 | 4.7 | 5.1 |
| PENN A-1 | 36.7 | 5.0 | 5.0 | 5.0 | 5.0 | 5.3 | 4.7 | 5.3 | 5.1 |
| SHARK | 41.7 | 5.0 | 4.7 | 5.3 | 5.0 | 5.3 | 4.7 | 5.3 | 5.1 |
| V-8 | 43.3 | 5.3 | 5.0 | 4.3 | 5.3 | 5.3 | 5.3 | 4.3 | 5.1 |
| PENNCROSS | 40.0 | 3.7 | 3.7 | 4.0 | 4.7 | 4.3 | 4.0 | 4.0 | 4.3 |
| | | | | | | | | | |
| LSD VALUE | 6.7 | 0.9 | 1.0 | 1.4 | 1.2 | 1.0 | 0.9 | 1.1 | 0.8 |
| C.V. (%) | 9.0 | 9.8 | 11.0 | 13.7 | 10.4 | 9.5 | 9.6 | 10.5 | 8.0 |

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

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

TABLE 4.     MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER DROUGHT STRESS AT LOGAN, UT  1/
2015 DATA

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

|                      | SEEDLING | QUALITY RATINGS | | |
| NAME                 | VIGOR    | AUG  | OCT  | MEAN |
|----------------------|----------|------|------|------|
| DLFPS-AP/3059        | 7.3      | 7.7  | 5.3  | 6.5  |
| GDE                  | 7.3      | 6.7  | 6.0  | 6.3  |
| PIRANHA (DC-1)       | 6.7      | 6.0  | 6.3  | 6.2  |
| SHARK                | 7.3      | 6.7  | 5.3  | 6.0  |
| BARRACUDA            | 7.3      | 6.3  | 5.3  | 5.8  |
| DLFPS-AP/3018        | 7.7      | 6.3  | 5.3  | 5.8  |
| PURE SELECT          | 6.7      | 6.0  | 5.7  | 5.8  |
| NIGHTLIFE            | 6.7      | 6.0  | 5.3  | 5.7  |
| V-8                  | 7.3      | 6.0  | 5.3  | 5.7  |
| 777 (DLFPS-AP/3054)  | 6.7      | 5.3  | 5.7  | 5.5  |
| ARMOR                | 6.0      | 5.0  | 6.0  | 5.5  |
| DECLARATION          | 7.0      | 6.0  | 5.0  | 5.5  |
| L-93 XD              | 6.3      | 5.3  | 5.7  | 5.5  |
| PST-ROPS             | 7.0      | 5.3  | 5.7  | 5.5  |
| LUMINARY             | 6.7      | 6.0  | 4.7  | 5.3  |
| PENN A-1             | 7.7      | 6.0  | 4.7  | 5.3  |
| DLFPS-AP/3056        | 7.0      | 5.7  | 4.3  | 5.0  |
| DLFPS-AP/3058        | 6.7      | 5.3  | 4.7  | 5.0  |
| KINGDOM              | 5.7      | 5.0  | 5.0  | 5.0  |
| PENNCROSS            | 6.7      | 5.3  | 3.0  | 4.2  |
|                      |          |      |      |      |
| LSD VALUE            | 1.3      | 1.0  | 1.3  | 0.8  |
| C.V. (%)             | 9.1      | 9.7  | 13.7 | 8.5  |

1/  TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD O.05).

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

TABLE 5.
MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO),CA  1/
2015 DATA

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

| NAME | GENETIC COLOR | SEEDLING VIGOR | DENSITY SUMMER | WINTER COLOR | PINK SNOW MOLD | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PURE SELECT | 7.3 | 5.7 | 7.0 | 7.0 | 8.3 | 6.7 | 6.7 | 6.7 | 7.0 | 7.3 | 7.0 | 7.0 | 6.3 | 6.0 | 6.3 | 6.7 | 7.3 | 6.8 |
| KINGDOM | 9.0 | 6.0 | 7.0 | 9.0 | 9.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.3 | 7.0 | 6.7 | 6.3 | 5.7 | 5.7 | 6.3 | 7.0 | 6.7 |
| L-93 XD | 7.3 | 5.3 | 7.0 | 7.0 | 9.0 | 6.3 | 6.3 | 6.3 | 7.0 | 7.7 | 7.0 | 6.7 | 6.7 | 6.7 | 6.0 | 6.7 | 7.0 | 6.7 |
| NIGHTLIFE | 9.0 | 6.0 | 7.0 | 9.0 | 9.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.3 | 6.0 | 5.3 | 5.7 | 6.3 | 7.0 | 6.6 |
| 777 (DLFPS-AP/3054) | 7.7 | 5.0 | 7.0 | 7.0 | 9.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.7 | 7.0 | 6.3 | 6.7 | 6.0 | 6.0 | 6.7 | 6.7 | 6.5 |
| BARRACUDA | 7.0 | 5.7 | 7.0 | 7.0 | 9.0 | 6.7 | 6.7 | 6.7 | 7.0 | 7.3 | 7.0 | 6.0 | 6.0 | 5.0 | 5.7 | 6.0 | 6.7 | 6.4 |
| DLFPS-AP/3018 | 7.0 | 5.3 | 7.0 | 7.0 | 8.7 | 6.3 | 6.3 | 6.3 | 6.7 | 7.0 | 7.0 | 6.0 | 6.0 | 5.7 | 6.0 | 6.3 | 6.7 | 6.4 |
| GDE | 7.7 | 5.3 | 7.0 | 7.0 | 8.7 | 6.3 | 6.3 | 6.3 | 7.0 | 7.0 | 7.0 | 6.0 | 6.0 | 5.7 | 5.7 | 6.0 | 7.0 | 6.4 |
| SHARK | 7.7 | 5.3 | 7.0 | 7.0 | 8.7 | 6.3 | 6.3 | 6.3 | 7.0 | 7.7 | 7.0 | 6.3 | 6.3 | 5.7 | 5.7 | 6.0 | 6.3 | 6.4 |
| V-8 | 8.0 | 5.0 | 7.0 | 7.7 | 9.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.3 | 7.0 | 6.7 | 6.0 | 5.3 | 6.0 | 6.7 | 6.3 | 6.4 |
| ARMOR | 9.0 | 5.7 | 6.7 | 8.7 | 9.0 | 6.7 | 6.7 | 6.7 | 7.0 | 7.0 | 6.3 | 5.7 | 5.7 | 5.3 | 5.3 | 6.3 | 6.7 | 6.3 |
| DLFPS-AP/3058 | 7.3 | 5.0 | 7.0 | 7.0 | 9.0 | 6.0 | 6.0 | 6.0 | 6.7 | 7.0 | 7.0 | 6.0 | 6.3 | 5.7 | 5.7 | 6.7 | 6.7 | 6.3 |
| LUMINARY | 7.0 | 5.0 | 7.0 | 7.0 | 9.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 6.0 | 6.3 | 5.7 | 5.7 | 6.3 | 6.7 | 6.3 |
| PENN A-1 | 7.7 | 5.0 | 7.0 | 7.7 | 9.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.3 | 7.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.3 | 6.3 |
| PST-ROPS | 8.0 | 5.0 | 7.0 | 7.0 | 8.3 | 6.0 | 5.7 | 5.7 | 6.7 | 7.0 | 7.0 | 6.3 | 6.3 | 6.3 | 5.3 | 6.3 | 7.3 | 6.3 |
| PIRANHA (DC-1) | 7.0 | 5.0 | 7.0 | 7.0 | 8.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 6.7 | 6.0 | 6.0 | 5.3 | 5.3 | 6.3 | 6.3 | 6.2 |
| DLFPS-AP/3056 | 7.7 | 5.0 | 6.7 | 6.3 | 9.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.3 | 6.7 | 5.7 | 6.0 | 5.3 | 5.3 | 6.3 | 6.7 | 6.2 |
| DLFPS-AP/3059 | 6.7 | 5.0 | 6.7 | 7.3 | 8.7 | 6.0 | 6.0 | 6.0 | 6.7 | 6.7 | 6.7 | 5.7 | 5.7 | 5.3 | 5.7 | 6.0 | 5.7 | 6.0 |
| DECLARATION | 6.7 | 5.0 | 6.7 | 7.3 | 9.0 | 6.0 | 6.0 | 6.0 | 6.7 | 6.7 | 6.3 | 5.7 | 5.7 | 5.0 | 4.7 | 5.0 | 5.3 | 5.8 |
| PENNCROSS | 6.7 | 5.0 | 5.7 | 7.3 | 9.0 | 6.0 | 5.7 | 5.7 | 6.3 | 6.3 | 5.7 | 4.3 | 5.0 | 5.3 | 4.7 | 4.7 | 5.0 | 5.4 |
| | | | | | | | | | | | | | | | | | | |
| LSD VALUE | 0.8 | 0.6 | 0.5 | 0.7 | 1.8 | 0.6 | 0.7 | 0.7 | 0.9 | 1.3 | 0.6 | 0.9 | 1.5 | 1.2 | 1.5 | 1.1 | 1.2 | 0.4 |
| C.V. (%) | 6.6 | 6.5 | 4.2 | 5.7 | 6.5 | 5.5 | 6.3 | 6.3 | 4.7 | 7.1 | 4.7 | 8.4 | 9.4 | 9.4 | 10.7 | 9.2 | 9.4 | 3.9 |

1/  TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD O.05).

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

TABLE 6.  
MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT LOS ANGELES (LOS ANGELES COUNTRY CLUB), CA  1/  
2015 DATA

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

| NAME | GENETIC COLOR | SEEDLING VIGOR | WINTER COLOR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PST-ROPS | 7.0 | 6.0 | 7.0 | 6.3 | 7.3 | 7.3 | 7.3 | 7.7 | 8.3 | 8.3 | 8.3 | 8.0 | 8.0 | 8.0 | 8.0 | 7.8 |
| 777 (DLFPS-AP/3054) | 7.3 | 6.7 | 7.3 | 6.7 | 7.0 | 7.0 | 7.3 | 7.3 | 7.3 | 7.3 | 7.7 | 7.3 | 7.3 | 7.7 | 7.7 | 7.3 |
| DLFPS-AP/3018 | 7.0 | 5.7 | 7.0 | 6.0 | 6.7 | 7.3 | 7.3 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.0 | 7.3 | 7.7 | 7.3 |
| PIRANHA (DC-1) | 7.0 | 6.0 | 7.0 | 6.3 | 7.0 | 7.3 | 7.0 | 7.0 | 8.0 | 8.0 | 7.7 | 7.3 | 7.0 | 6.7 | 6.7 | 7.2 |
| L-93 XD | 7.0 | 5.7 | 7.0 | 6.0 | 6.3 | 7.0 | 7.0 | 7.7 | 7.7 | 8.0 | 7.7 | 7.7 | 7.0 | 7.3 | 7.3 | 7.2 |
| V-8 | 7.7 | 6.7 | 7.7 | 6.7 | 6.7 | 7.0 | 7.0 | 7.7 | 7.7 | 7.7 | 7.7 | 7.3 | 7.0 | 7.0 | 7.0 | 7.2 |
| DLFPS-AP/3058 | 7.0 | 6.0 | 7.0 | 6.3 | 7.0 | 7.3 | 7.0 | 7.3 | 7.7 | 7.7 | 7.3 | 7.3 | 6.7 | 7.0 | 7.0 | 7.1 |
| GDE | 7.0 | 6.7 | 7.0 | 6.7 | 6.7 | 7.0 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.0 | 7.0 | 7.0 | 7.1 |
| LUMINARY | 7.0 | 6.3 | 7.0 | 6.7 | 6.7 | 7.0 | 7.3 | 7.7 | 7.7 | 7.7 | 7.7 | 7.3 | 6.7 | 6.7 | 6.3 | 7.1 |
| NIGHTLIFE | 9.0 | 6.7 | 9.0 | 6.7 | 6.7 | 7.0 | 7.3 | 7.3 | 7.3 | 7.7 | 7.7 | 7.3 | 6.7 | 6.0 | 6.0 | 7.0 |
| PENN A-1 | 8.0 | 6.7 | 8.0 | 7.0 | 7.3 | 7.3 | 7.0 | 7.0 | 7.3 | 7.7 | 7.7 | 7.3 | 6.0 | 6.0 | 6.0 | 7.0 |
| DLFPS-AP/3056 | 7.0 | 6.3 | 7.0 | 6.7 | 6.7 | 6.7 | 6.7 | 7.3 | 7.3 | 7.3 | 7.3 | 7.0 | 7.0 | 6.7 | 6.7 | 6.9 |
| KINGDOM | 9.0 | 6.0 | 9.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.3 | 7.0 | 7.3 | 7.3 | 7.0 | 7.3 | 7.0 | 7.0 | 6.9 |
| SHARK | 7.0 | 6.0 | 7.0 | 6.3 | 6.7 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.7 | 6.7 | 6.7 | 6.8 |
| ARMOR | 9.0 | 5.3 | 9.0 | 5.7 | 6.3 | 6.7 | 7.0 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 6.7 | 6.7 | 6.7 | 6.7 |
| BARRACUDA | 7.0 | 6.0 | 7.0 | 6.3 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 7.0 | 6.7 | 7.0 | 6.7 | 7.0 | 6.7 |
| DECLARATION | 7.0 | 6.0 | 7.0 | 6.3 | 6.7 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.7 | 6.0 | 6.3 | 6.0 | 6.6 |
| DLFPS-AP/3059 | 7.0 | 5.3 | 7.0 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.3 | 6.0 | 6.3 | 6.0 | 6.4 |
| PURE SELECT | 7.3 | 5.7 | 7.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| PENNCROSS | 6.0 | 6.3 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 5.7 | 5.3 | 5.0 | 6.1 |
| | | | | | | | | | | | | | | | | | |
| LSD VALUE | 0.3 | 2.4 | 0.3 | 2.3 | 1.7 | 1.4 | 1.6 | 1.9 | 1.2 | 1.5 | 1.9 | 1.0 | 0.6 | 0.9 | 0.7 | 0.8 |
| C.V. (%) | 3.1 | 12.7 | 3.1 | 10.7 | 8.6 | 7.5 | 7.7 | 9.7 | 8.3 | 9.3 | 10.0 | 7.2 | 5.9 | 7.6 | 6.3 | 6.1 |

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 7.                    MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
                         GROWN ON A GREEN AT GLENVIEW (NORTH SHORE COUNTRY CLUB), IL  1/
                                          2015 DATA


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


|  | GENETIC | SPRING | FALL COLOR | PERCENT ESTABLISH- | | | | QUALITY RATINGS | | | | |
| NAME | COLOR | GREENUP | OCTOBER | MENT | APR | MAY | JUN | JUL | AUG | SEP | OCT | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 777 (DLFPS-AP/3054) | 6.7 | 9 | 5.7 | 78.3 | 4.0 | 4.7 | 7.0 | 5.0 | 5.3 | 7.3 | 6.3 | 5.7 |
| GDE | 6.3 | 9 | 6.7 | 86.7 | 3.7 | 4.0 | 6.3 | 5.3 | 5.7 | 7.0 | 6.0 | 5.4 |
| PIRANHA (DC-1) | 6.0 | 9 | 5.7 | 75.0 | 3.3 | 4.0 | 6.7 | 4.3 | 5.0 | 6.7 | 5.7 | 5.1 |
| DLFPS-AP/3056 | 6.3 | 9 | 6.0 | 68.3 | 4.0 | 3.7 | 6.3 | 4.7 | 4.7 | 6.0 | 5.7 | 5.0 |
| ARMOR | 7.0 | 9 | 7.0 | 78.3 | 3.7 | 3.7 | 4.7 | 4.7 | 5.3 | 6.0 | 6.3 | 4.9 |
| BARRACUDA | 6.3 | 9 | 5.7 | 90.0 | 4.0 | 3.0 | 5.0 | 3.7 | 5.0 | 6.7 | 6.7 | 4.9 |
| DLFPS-AP/3018 | 6.3 | 9 | 5.3 | 76.7 | 4.3 | 3.7 | 6.0 | 4.0 | 4.3 | 6.3 | 5.7 | 4.9 |
| PENN A-1 | 6.7 | 9 | 6.7 | 81.7 | 3.3 | 3.7 | 5.7 | 4.0 | 5.7 | 5.7 | 6.0 | 4.9 |
| PST-ROPS | 6.3 | 9 | 6.0 | 85.0 | 3.7 | 3.7 | 5.7 | 4.0 | 5.0 | 6.0 | 6.3 | 4.9 |
| DLFPS-AP/3059 | 6.0 | 9 | 6.0 | 71.7 | 3.7 | 3.7 | 5.7 | 3.7 | 5.3 | 5.7 | 5.7 | 4.8 |
| LUMINARY | 6.7 | 9 | 5.3 | 65.0 | 3.7 | 3.0 | 5.0 | 4.0 | 5.0 | 6.3 | 6.3 | 4.8 |
| PENNCROSS | 5.3 | 9 | 5.7 | 85.0 | 4.3 | 4.7 | 5.3 | 3.7 | 4.0 | 5.3 | 6.0 | 4.8 |
| V-8 | 6.3 | 9 | 6.3 | 81.7 | 3.0 | 3.7 | 5.3 | 4.3 | 5.0 | 6.3 | 5.7 | 4.8 |
| SHARK | 6.7 | 9 | 6.7 | 75.0 | 4.0 | 4.3 | 4.7 | 3.3 | 4.7 | 6.3 | 5.0 | 4.6 |
| DLFPS-AP/3058 | 5.3 | 9 | 6.0 | 70.0 | 3.3 | 4.0 | 5.0 | 3.3 | 4.3 | 5.7 | 5.7 | 4.5 |
| DECLARATION | 5.3 | 9 | 5.7 | 75.0 | 4.0 | 3.3 | 5.3 | 3.3 | 4.0 | 5.3 | 5.3 | 4.4 |
| KINGDOM | 7.7 | 9 | 7.3 | 70.0 | 3.0 | 3.0 | 5.0 | 4.0 | 4.3 | 5.7 | 5.7 | 4.4 |
| L-93 XD | 5.7 | 9 | 5.3 | 70.0 | 2.7 | 3.0 | 4.0 | 3.7 | 5.0 | 5.7 | 5.3 | 4.2 |
| NIGHTLIFE | 7.3 | 9 | 7.3 | 76.7 | 3.0 | 2.7 | 4.0 | 3.7 | 4.3 | 5.7 | 6.0 | 4.2 |
| PURE SELECT | 6.3 | 9 | 5.7 | 80.0 | 2.7 | 2.7 | 4.7 | 3.0 | 4.3 | 6.3 | 5.7 | 4.2 |
| | | | | | | | | | | | | |
| LSD VALUE | 1.5 | 0 | 0.9 | 38.0 | 1.8 | 2.3 | 1.7 | 2.3 | 3.8 | 1.5 | 3.5 | 1.4 |
| C.V. (%) | 11.3 | 0 | 9.0 | 15.9 | 20.3 | 24.6 | 16.2 | 22.0 | 22.9 | 11.1 | 16.6 | 11.7 |


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


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

TABLE 8.                    GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS  1/
                                GROWN ON A GREEN
                                   2015 DATA


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


| NAME | AR1 | IA1 | IN1 | KS1 | MI1 | MN1 | NC1 | NJ1 | VA1 | MEAN |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| NIGHTLIFE | 8.7 | 8.7 | 9.0 | 8 | 7.0 | 8.7 | 8.0 | 5.0 | 9.0 | 8.0 |
| KINGDOM | 8.3 | 8.7 | 9.0 | 8 | 7.0 | 7.3 | 8.0 | 4.3 | 8.7 | 7.7 |
| ARMOR | 8.7 | 8.0 | 9.0 | 8 | 7.0 | 8.0 | 8.0 | 4.0 | 8.0 | 7.6 |
| 777 (DLFPS-AP/3054) | 8.0 | 7.0 | 7.0 | 7 | 6.0 | 6.7 | 6.3 | 8.3 | 7.7 | 7.1 |
| L-93 XD | 8.0 | 7.3 | 6.7 | 7 | 6.0 | 5.7 | 6.7 | 8.7 | 6.7 | 7.0 |
| DLFPS-AP/3058 | 7.7 | 7.7 | 7.0 | 7 | 6.0 | 5.7 | 6.3 | 8.3 | 6.7 | 6.9 |
| DLFPS-AP/3056 | 7.7 | 6.7 | 7.3 | 7 | 6.0 | 6.3 | 6.3 | 7.0 | 7.0 | 6.8 |
| PIRANHA (DC-1) | 7.0 | 6.7 | 7.0 | 7 | 6.0 | 6.3 | 6.7 | 8.3 | 6.3 | 6.8 |
| DLFPS-AP/3018 | 7.3 | 7.0 | 7.0 | 7 | 6.0 | 6.3 | 6.3 | 8.0 | 6.3 | 6.8 |
| V-8 | 8.0 | 7.3 | 7.3 | 7 | 5.7 | 6.3 | 6.7 | 6.3 | 6.7 | 6.8 |
| PST-ROPS | 8.0 | 6.3 | 7.0 | 7 | 6.0 | 6.0 | 6.3 | 7.7 | 6.7 | 6.8 |
| SHARK | 8.0 | 6.7 | 7.0 | 7 | 6.0 | 6.0 | 6.0 | 7.3 | 6.7 | 6.7 |
| GDE | 8.0 | 6.0 | 7.0 | 7 | 6.0 | 6.0 | 6.3 | 7.3 | 6.7 | 6.7 |
| LUMINARY | 7.3 | 6.3 | 7.0 | 7 | 6.0 | 6.3 | 6.3 | 7.0 | 6.7 | 6.7 |
| BARRACUDA | 8.0 | 7.0 | 7.0 | 7 | 6.0 | 5.7 | 6.0 | 6.3 | 6.0 | 6.6 |
| PURE SELECT | 7.0 | 6.7 | 7.0 | 7 | 6.0 | 6.0 | 6.0 | 6.3 | 6.0 | 6.4 |
| DECLARATION | 7.7 | 6.0 | 7.0 | 7 | 6.0 | 5.3 | 6.3 | 5.7 | 6.7 | 6.4 |
| DLFPS-AP/3059 | 7.3 | 7.0 | 6.7 | 7 | 6.0 | 5.3 | 6.7 | 4.3 | 7.0 | 6.4 |
| PENN A-1 | 8.0 | 6.0 | 7.3 | 7 | 5.7 | 6.7 | 6.3 | 3.7 | 6.3 | 6.3 |
| PENNCROSS | 8.0 | 6.3 | 7.3 | 7 | 5.0 | 3.0 | 5.3 | 1.3 | 7.0 | 5.6 |
| | | | | | | | | | | |
| LSD VALUE | 1.5 | 1.8 | 0.5 | 0 | 0.3 | 0.9 | 0.8 | 1.3 | 0.8 | 0.3 |
| C.V. (%) | 12.1 | 16.0 | 4.3 | 0 | 3.0 | 8.6 | 7.4 | 12.9 | 7.4 | 9.4 |


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.

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        TABLE 9.     SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS  1/
                            GROWN ON A GREEN
                              2015 DATA


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


             NAME                    MI1      MN1      NJ1     MEAN

             DLFPS-AP/3018           4.3      6.0      6.7      5.7
             SHARK                   3.0      6.7      7.0      5.6
             777 (DLFPS-AP/3054)     3.7      7.0      6.0      5.6
             BARRACUDA               2.7      7.0      7.0      5.6
             GDE                     2.7      7.0      6.7      5.4
             LUMINARY                2.7      6.3      7.3      5.4
             V-8                     3.7      6.3      6.3      5.4
             L-93 XD                 2.7      7.0      6.3      5.3
             DLFPS-AP/3058           2.3      7.0      6.3      5.2
             PURE SELECT             3.3      6.3      6.0      5.2
             DECLARATION             2.0      6.3      7.0      5.1
             DLFPS-AP/3059           3.0      6.0      6.3      5.1
             PENN A-1                2.3      6.7      6.3      5.1
             DLFPS-AP/3056           3.0      6.3      5.7      5.0
             PST-ROPS                3.3      6.7      5.0      5.0
             PIRANHA (DC-1)          3.3      5.3      6.0      4.9
             PENNCROSS               4.0      4.7      5.7      4.8
             KINGDOM                 3.7      6.7      3.3      4.6
             NIGHTLIFE               2.3      5.0      3.3      3.6
             ARMOR                   2.3      4.0      4.0      3.4

             LSD VALUE               1.2      1.4      1.6      0.8
             C.V. (%)               25.7     14.2     17.3     17.8
```

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.

Taken from the 2014 Bentgrass (Putting Green) test - 2015 data report with permission from NTEP

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              TABLE 10.    LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS  1/
                                    GROWN ON A GREEN
                                       2015 DATA


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


                    NAME                IN1    NJ1    MEAN

                    PST-ROPS            9.0    8.3    8.7
                    777 (DLFPS-AP/3054) 7.3    8.3    7.8
                    PURE SELECT         7.7    8.0    7.8
                    V-8                 7.7    8.0    7.8
                    L-93 XD             7.0    8.7    7.8
                    DLFPS-AP/3018       7.0    8.3    7.7
                    PIRANHA (DC-1)      7.3    7.7    7.5
                    GDE                 6.7    7.7    7.2
                    DLFPS-AP/3056       7.0    7.3    7.2
                    NIGHTLIFE           7.3    7.0    7.2
                    BARRACUDA           6.7    7.3    7.0
                    DLFPS-AP/3058       7.0    7.0    7.0
                    SHARK               6.7    7.3    7.0
                    ARMOR               7.0    6.3    6.7
                    KINGDOM             7.3    6.0    6.7
                    DECLARATION         6.7    6.3    6.5
                    LUMINARY            6.0    7.0    6.5
                    PENN A-1            6.3    5.7    6.0
                    DLFPS-AP/3059       6.3    5.3    5.8
                    PENNCROSS           3.7    3.0    3.3


                    LSD VALUE           0.9    1.0    0.7
                    C.V. (%)            8.2    8.6    8.4
```

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

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

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TABLE 11.   SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN
2015 DATA


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

| NAME | AR1 | MO1 | NC1 | NJ1 | UT1 | MEAN |
|------|-----|-----|-----|-----|-----|------|
| BARRACUDA | 5.3 | 8.7 | 7.3 | 7.0 | 6.0 | 6.9 |
| GDE | 7.3 | 7.0 | 6.7 | 6.3 | 6.3 | 6.7 |
| SHARK | 7.3 | 7.0 | 6.3 | 7.0 | 6.0 | 6.7 |
| 777 (DLFPS-AP/3054) | 6.3 | 7.7 | 6.7 | 6.0 | 6.3 | 6.6 |
| NIGHTLIFE | 6.7 | 7.7 | 6.3 | 5.7 | 6.7 | 6.6 |
| DECLARATION | 6.0 | 6.3 | 6.7 | 6.7 | 7.0 | 6.5 |
| PURE SELECT | 5.3 | 7.7 | 7.0 | 5.7 | 7.0 | 6.5 |
| PENNCROSS | 6.7 | 7.7 | 6.0 | 5.0 | 7.0 | 6.5 |
| PENN A-1 | 6.3 | 7.0 | 6.7 | 5.3 | 6.7 | 6.4 |
| DLFPS-AP/3056 | 5.3 | 7.3 | 6.0 | 6.7 | 6.0 | 6.3 |
| V-8 | 5.7 | 7.7 | 6.7 | 4.7 | 6.3 | 6.2 |
| DLFPS-AP/3059 | 4.7 | 6.7 | 6.0 | 6.3 | 6.7 | 6.1 |
| DLFPS-AP/3018 | 4.7 | 7.3 | 7.3 | 4.7 | 6.3 | 6.1 |
| KINGDOM | 6.7 | 7.3 | 5.7 | 4.7 | 5.3 | 5.9 |
| L-93 XD | 6.0 | 6.0 | 5.3 | 5.3 | 6.7 | 5.9 |
| DLFPS-AP/3058 | 4.7 | 5.7 | 6.0 | 5.7 | 6.7 | 5.7 |
| PIRANHA (DC-1) | 4.3 | 6.7 | 4.7 | 5.3 | 6.3 | 5.5 |
| ARMOR | 6.0 | 6.0 | 5.3 | 4.0 | 5.7 | 5.4 |
| LUMINARY | 3.7 | 5.7 | 5.7 | 5.3 | 6.3 | 5.3 |
| PST-ROPS | 4.7 | 5.3 | 4.3 | 3.3 | 5.3 | 4.6 |
| | | | | | | |
| LSD VALUE | 3.2 | 1.8 | 1.6 | 1.8 | 1.3 | 0.9 |
| C.V. (%) | 34.7 | 15.8 | 16.3 | 20.6 | 13.1 | 20.8 |

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.

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         TABLE 12.     SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS  1/
                                GROWN ON A GREEN
                                   2015 DATA

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


                   NAME                    NC1


                   777 (DLFPS-AP/3054)     7.0
                   BARRACUDA               7.0
                   DECLARATION             7.0
                   DLFPS-AP/3018           7.0
                   KINGDOM                 7.0
                   PENN A-1                7.0
                   PIRANHA (DC-1)          7.0
                   PURE SELECT             7.0
                   V-8                     7.0
                   DLFPS-AP/3058           6.7
                   GDE                     6.7
                   L-93 XD                 6.7
                   NIGHTLIFE               6.7
                   DLFPS-AP/3056           6.3
                   DLFPS-AP/3059           6.3
                   PENNCROSS               6.3
                   SHARK                   6.3
                   LUMINARY                6.0
                   PST-ROPS                6.0
                   ARMOR                   5.3


                   LSD VALUE               1.3
                   C.V. (%)               12.6
```

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

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

```
         TABLE 13.    SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS  1/
                               GROWN ON A GREEN
                                 2015 DATA


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


              NAME                  IN1     MN1     NC1    MEAN

              V-8                   8.0     6.7     8.0     7.6
              PST-ROPS              8.3     6.0     8.0     7.4
              777 (DLFPS-AP/3054)   7.7     6.3     8.0     7.3
              PIRANHA (DC-1)        8.0     6.0     8.0     7.3
              PURE SELECT           8.0     6.3     7.7     7.3
              SHARK                 8.0     6.3     7.7     7.3
              DLFPS-AP/3018         7.7     6.3     7.7     7.2
              L-93 XD               7.7     6.0     7.7     7.1
              NIGHTLIFE             7.7     6.0     7.7     7.1
              ARMOR                 8.0     6.0     7.3     7.1
              GDE                   7.7     6.3     7.3     7.1
              DLFPS-AP/3056         7.3     6.3     7.3     7.0
              DLFPS-AP/3058         7.0     6.3     7.7     7.0
              KINGDOM               8.0     6.0     6.7     6.9
              BARRACUDA             7.3     6.0     7.3     6.9
              DLFPS-AP/3059         7.0     6.0     7.3     6.8
              LUMINARY              7.0     6.0     7.0     6.7
              PENN A-1              7.0     5.7     7.0     6.6
              DECLARATION           7.3     6.0     6.3     6.6
              PENNCROSS             5.7     2.0     5.0     4.2


              LSD VALUE             0.9     0.6     0.7     0.4
              C.V. (%)              7.5     6.5     6.3     6.9
```

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

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

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       TABLE 14.   FALL DENSITY RATINGS OF BENTGRASS CULTIVARS  1/
                          GROWN ON A GREEN
                             2015 DATA


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


       NAME                   MN1     NC1     NJ1     MEAN

       L-93 XD                6.3     8.0     8.3     7.6
       DLFPS-AP/3058          6.7     8.3     7.3     7.4
       777 (DLFPS-AP/3054)    6.7     8.0     7.3     7.3
       DLFPS-AP/3018          6.7     8.0     7.3     7.3
       PIRANHA (DC-1)         6.7     8.0     7.3     7.3
       PST-ROPS               6.7     7.7     7.7     7.3
       GDE                    6.3     8.0     6.3     6.9
       V-8                    6.0     8.0     6.3     6.8
       DLFPS-AP/3056          5.7     8.0     6.3     6.7
       BARRACUDA              6.0     8.0     5.7     6.6
       PURE SELECT            5.7     8.3     5.7     6.6
       LUMINARY               5.7     8.0     5.7     6.4
       SHARK                  5.3     8.0     6.0     6.4
       NIGHTLIFE              5.3     7.3     6.3     6.3
       ARMOR                  4.3     7.3     5.7     5.8
       DLFPS-AP/3059          4.7     8.0     4.3     5.7
       KINGDOM                4.3     7.0     5.7     5.7
       DECLARATION            5.7     6.7     4.3     5.6
       PENN A-1               4.7     8.0     4.0     5.6
       PENNCROSS              1.3     5.3     1.7     2.8


       LSD VALUE              1.0     0.7     1.8     0.7
       C.V. (%)              11.4     5.3    18.4    12.0
```

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

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

TABLE 15.    PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN
2015 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS  2/

| NAME | AR1 | KY1 | NC1 | VA1 | MEAN |
|------|-----|-----|-----|-----|------|
| PENNCROSS | 92.7 | 53.3 | 94.3 | 70.0 | 77.6 |
| GDE | 93.3 | 56.7 | 88.3 | 66.7 | 76.3 |
| BARRACUDA | 73.0 | 53.3 | 93.3 | 78.3 | 74.5 |
| PENN A-1 | 80.7 | 48.3 | 92.7 | 75.0 | 74.2 |
| 777 (DLFPS-AP/3054) | 91.0 | 58.3 | 83.3 | 63.3 | 74.0 |
| SHARK | 92.3 | 48.3 | 83.3 | 70.0 | 73.5 |
| V-8 | 84.0 | 48.3 | 86.7 | 71.7 | 72.7 |
| DLFPS-AP/3018 | 65.7 | 65.0 | 81.7 | 66.7 | 69.8 |
| DECLARATION | 81.0 | 43.3 | 86.7 | 65.0 | 69.0 |
| NIGHTLIFE | 73.7 | 51.7 | 83.3 | 63.3 | 68.0 |
| DLFPS-AP/3056 | 79.0 | 43.3 | 83.3 | 65.0 | 67.7 |
| DLFPS-AP/3058 | 72.0 | 41.7 | 86.7 | 68.3 | 67.2 |
| L-93 XD | 83.3 | 38.3 | 85.0 | 61.7 | 67.1 |
| LUMINARY | 66.0 | 51.7 | 81.7 | 68.3 | 66.9 |
| DLFPS-AP/3059 | 52.3 | 60.0 | 83.3 | 71.7 | 66.8 |
| PST-ROPS | 71.7 | 48.3 | 76.7 | 68.3 | 66.3 |
| KINGDOM | 69.0 | 43.3 | 80.0 | 68.3 | 65.2 |
| PURE SELECT | 50.0 | 46.7 | 88.3 | 75.0 | 65.0 |
| PIRANHA (DC-1) | 60.0 | 48.3 | 78.3 | 71.7 | 64.6 |
| ARMOR | 66.0 | 36.7 | 70.0 | 60.0 | 58.2 |
|  |  |  |  |  |  |
| LSD VALUE | 41.0 | 12.7 | 11.3 | 12.6 | 11.5 |
| C.V. (%) | 34.1 | 16.1 | 8.3 | 11.5 | 20.7 |

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

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

TABLE 16.    PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN
2015 DATA


PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS  2/

| NAME | AR1 | KY1 | NC1 | MEAN |
|------|-----|-----|-----|------|
| GDE | 99.0 | 76.7 | 99.0 | 91.6 |
| PENN A-1 | 97.7 | 73.3 | 99.0 | 90.0 |
| BARRACUDA | 98.0 | 71.7 | 99.0 | 89.6 |
| SHARK | 96.3 | 73.3 | 99.0 | 89.6 |
| 777 (DLFPS-AP/3054) | 97.7 | 71.7 | 99.0 | 89.4 |
| V-8 | 98.3 | 70.0 | 99.0 | 89.1 |
| L-93 XD | 99.0 | 66.7 | 99.0 | 88.2 |
| PENNCROSS | 96.7 | 71.7 | 95.7 | 88.0 |
| NIGHTLIFE | 94.0 | 70.0 | 99.0 | 87.7 |
| PST-ROPS | 93.3 | 70.0 | 99.0 | 87.4 |
| DLFPS-AP/3056 | 97.7 | 63.3 | 99.0 | 86.7 |
| DECLARATION | 93.7 | 65.0 | 99.0 | 85.9 |
| DLFPS-AP/3018 | 77.7 | 80.0 | 99.0 | 85.6 |
| KINGDOM | 92.0 | 65.0 | 99.0 | 85.3 |
| ARMOR | 96.0 | 60.0 | 99.0 | 85.0 |
| PIRANHA (DC-1) | 68.3 | 75.0 | 99.0 | 80.8 |
| LUMINARY | 73.0 | 70.0 | 99.0 | 80.7 |
| DLFPS-AP/3058 | 77.7 | 65.0 | 99.0 | 80.6 |
| PURE SELECT | 76.0 | 65.0 | 99.0 | 80.0 |
| DLFPS-AP/3059 | 53.7 | 71.7 | 99.0 | 74.8 |
| | | | | |
| LSD VALUE | 38.1 | 9.0 | 0.4 | 13.0 |
| C.V. (%) | 26.6 | 8.0 | 0.3 | 16.4 |

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 17.    PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN
2015 DATA


PERCENT LIVING GROUND COVER IN FALL: LOCATIONS  2/

| NAME | NC1 | NJ1 | MEAN |
|------|-----|-----|------|
| BARRACUDA | 99.0 | 83.3 | 91.2 |
| DLFPS-AP/3056 | 99.0 | 83.3 | 91.2 |
| PURE SELECT | 99.0 | 81.7 | 90.3 |
| SHARK | 99.0 | 81.7 | 90.3 |
| 777 (DLFPS-AP/3054) | 99.0 | 80.0 | 89.5 |
| DECLARATION | 99.0 | 78.3 | 88.7 |
| GDE | 99.0 | 75.0 | 87.0 |
| L-93 XD | 99.0 | 73.3 | 86.2 |
| NIGHTLIFE | 99.0 | 73.3 | 86.2 |
| DLFPS-AP/3059 | 99.0 | 71.7 | 85.3 |
| DLFPS-AP/3058 | 99.0 | 68.3 | 83.7 |
| DLFPS-AP/3018 | 99.0 | 66.7 | 82.8 |
| LUMINARY | 99.0 | 66.7 | 82.8 |
| PENN A-1 | 99.0 | 66.7 | 82.8 |
| PIRANHA (DC-1) | 99.0 | 65.0 | 82.0 |
| PENNCROSS | 97.0 | 66.7 | 81.8 |
| V-8 | 97.7 | 63.3 | 80.5 |
| KINGDOM | 99.0 | 55.0 | 77.0 |
| PST-ROPS | 99.0 | 55.0 | 77.0 |
| ARMOR | 99.0 | 53.3 | 76.2 |
| | | | |
| LSD VALUE | 1.1 | 18.0 | 9.0 |
| C.V. (%) | 0.7 | 15.9 | 9.4 |

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.

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TABLE 18.    DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN
2015 DATA


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

| NAME | KS1 | MO1 | NC1 | MEAN |
|------|-----|-----|-----|------|
| L-93 XD | 8.7 | 9.0 | 7.7 | 8.4 |
| DLFPS-AP/3018 | 8.3 | 9.0 | 7.0 | 8.1 |
| BARRACUDA | 8.3 | 8.3 | 6.3 | 7.7 |
| LUMINARY | 8.3 | 8.3 | 6.3 | 7.7 |
| DLFPS-AP/3058 | 8.0 | 8.7 | 6.3 | 7.7 |
| GDE | 8.0 | 9.0 | 5.7 | 7.6 |
| PENN A-1 | 8.0 | 8.7 | 5.7 | 7.4 |
| PIRANHA (DC-1) | 7.7 | 8.3 | 6.3 | 7.4 |
| V-8 | 7.3 | 9.0 | 5.3 | 7.2 |
| 777 (DLFPS-AP/3054) | 7.7 | 6.7 | 7.0 | 7.1 |
| DECLARATION | 8.3 | 9.0 | 4.0 | 7.1 |
| PST-ROPS | 7.7 | 6.7 | 7.0 | 7.1 |
| SHARK | 6.0 | 8.0 | 7.0 | 7.0 |
| PURE SELECT | 7.7 | 8.0 | 4.7 | 6.8 |
| DLFPS-AP/3056 | 7.3 | 9.0 | 4.0 | 6.8 |
| DLFPS-AP/3059 | 7.3 | 8.3 | 4.3 | 6.7 |
| PENNCROSS | 8.3 | 9.0 | 2.3 | 6.6 |
| KINGDOM | 8.0 | 8.7 | 2.7 | 6.4 |
| NIGHTLIFE | 7.3 | 7.0 | 4.0 | 6.1 |
| ARMOR | 6.0 | 4.3 | 6.0 | 5.4 |
|  |  |  |  |  |
| LSD VALUE | 1.1 | 1.5 | 1.6 | 0.8 |
| C.V. (%) | 9.0 | 11.1 | 17.8 | 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.

25Taken from the 2014 Bentgrass (Putting Green) test - 2015 data report with permission from NTEP

TABLE 19.    BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN
2015 DATA

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

| NAME | KS1 | MO1 | MEAN |
|------|-----|-----|------|
| PENNCROSS | 8.3 | 9.0 | 8.7 |
| BARRACUDA | 8.7 | 8.0 | 8.3 |
| KINGDOM | 8.0 | 8.3 | 8.2 |
| PST-ROPS | 7.3 | 9.0 | 8.2 |
| DLFPS-AP/3056 | 8.0 | 7.7 | 7.8 |
| SHARK | 8.3 | 7.3 | 7.8 |
| DLFPS-AP/3018 | 8.3 | 7.0 | 7.7 |
| PIRANHA (DC-1) | 8.3 | 7.0 | 7.7 |
| DLFPS-AP/3058 | 7.3 | 7.7 | 7.5 |
| NIGHTLIFE | 7.0 | 8.0 | 7.5 |
| V-8 | 8.3 | 6.7 | 7.5 |
| GDE | 8.0 | 6.7 | 7.3 |
| DECLARATION | 6.7 | 7.7 | 7.2 |
| 777 (DLFPS-AP/3054) | 5.7 | 8.3 | 7.0 |
| ARMOR | 6.7 | 7.3 | 7.0 |
| L-93 XD | 8.3 | 5.7 | 7.0 |
| PURE SELECT | 6.7 | 7.3 | 7.0 |
| LUMINARY | 6.3 | 7.3 | 6.8 |
| DLFPS-AP/3059 | 6.0 | 5.0 | 5.5 |
| PENN A-1 | 5.7 | 5.0 | 5.3 |
| | | | |
| LSD VALUE | 2.6 | 2.7 | 1.9 |
| C.V. (%) | 22.2 | 23.3 | 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 20.    PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN
2015 DATA

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

| NAME | MO1 |
|------|-----|
| DECLARATION | 9.0 |
| DLFPS-AP/3018 | 8.3 |
| KINGDOM | 8.3 |
| 777 (DLFPS-AP/3054) | 8.0 |
| ARMOR | 8.0 |
| BARRACUDA | 8.0 |
| GDE | 8.0 |
| V-8 | 8.0 |
| PENNCROSS | 7.7 |
| PST-ROPS | 7.7 |
| SHARK | 7.7 |
| NIGHTLIFE | 7.3 |
| PIRANHA (DC-1) | 7.3 |
| DLFPS-AP/3056 | 7.0 |
| DLFPS-AP/3058 | 6.7 |
| DLFPS-AP/3059 | 6.7 |
| PURE SELECT | 6.0 |
| L-93 XD | 5.7 |
| PENN A-1 | 5.0 |
| LUMINARY | 3.7 |
| | |
| LSD VALUE | 2.4 |
| C.V. (%) | 20.5 |

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 O.05).

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

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TABLE 21.    PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN  2/
2015 DATA

| NAME | KY1 | MI1 | MO1 | MEAN |
|------|-----|-----|-----|------|
| DLFPS-AP/3018 | 40.0 | 64.3 | 95.7 | 66.7 |
| 777 (DLFPS-AP/3054) | 38.3 | 56.7 | 97.7 | 64.2 |
| PURE SELECT | 33.3 | 58.3 | 97.0 | 62.9 |
| SHARK | 40.0 | 49.0 | 98.3 | 62.4 |
| V-8 | 35.0 | 53.3 | 98.3 | 62.2 |
| DLFPS-AP/3056 | 33.3 | 54.3 | 98.3 | 62.0 |
| BARRACUDA | 38.3 | 48.3 | 98.3 | 61.7 |
| DLFPS-AP/3059 | 40.0 | 49.3 | 95.7 | 61.7 |
| DECLARATION | 36.7 | 47.3 | 97.7 | 60.6 |
| GDE | 38.3 | 43.3 | 97.7 | 59.8 |
| KINGDOM | 31.7 | 50.0 | 97.0 | 59.6 |
| PENNCROSS | 35.0 | 44.3 | 99.0 | 59.4 |
| PENN A-1 | 38.3 | 40.0 | 97.3 | 58.6 |
| PST-ROPS | 33.3 | 44.3 | 96.0 | 57.9 |
| NIGHTLIFE | 31.7 | 42.7 | 99.0 | 57.8 |
| L-93 XD | 30.0 | 45.0 | 97.7 | 57.6 |
| ARMOR | 33.3 | 41.0 | 97.3 | 57.2 |
| PIRANHA (DC-1) | 35.0 | 40.0 | 96.0 | 57.0 |
| LUMINARY | 33.3 | 35.0 | 97.3 | 55.2 |
| DLFPS-AP/3058 | 33.3 | 28.7 | 94.3 | 52.1 |
| | | | | |
| LSD VALUE | 7.7 | 20.7 | 4.1 | 7.5 |
| C.V. (%) | 13.5 | 27.5 | 2.6 | 13.5 |

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 O.05).

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

TABLE 22.     PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN AT ST. PAUL, MN  2/
2015 DATA

| NAME | OCTOBER 2014 | APRIL 2015 | MEAN |
|------|--------|--------|------|
| DLFPS-AP/3056 | 7.0 | 6.3 | 6.7 |
| SHARK | 7.0 | 6.3 | 6.7 |
| V-8 | 6.7 | 6.7 | 6.7 |
| DLFPS-AP/3018 | 6.7 | 6.3 | 6.5 |
| GDE | 6.3 | 6.7 | 6.5 |
| KINGDOM | 6.3 | 6.7 | 6.5 |
| PURE SELECT | 6.7 | 6.3 | 6.5 |
| 777 (DLFPS-AP/3054) | 6.3 | 6.3 | 6.3 |
| BARRACUDA | 6.7 | 6.0 | 6.3 |
| DECLARATION | 6.3 | 6.3 | 6.3 |
| NIGHTLIFE | 6.3 | 6.3 | 6.3 |
| DLFPS-AP/3058 | 6.0 | 6.3 | 6.2 |
| PENNCROSS | 6.0 | 6.0 | 6.0 |
| PENN A-1 | 5.3 | 6.3 | 5.8 |
| DLFPS-AP/3059 | 5.3 | 5.7 | 5.5 |
| L-93 XD | 5.3 | 5.3 | 5.3 |
| LUMINARY | 5.0 | 5.3 | 5.2 |
| ARMOR | 4.7 | 5.0 | 4.8 |
| PIRANHA (DC-1) | 4.7 | 5.0 | 4.8 |
| PST-ROPS | 3.7 | 4.7 | 4.2 |
| | | | |
| LSD VALUE | 1.7 | 1.5 | 1.4 |
| C.V. (%) | 15.2 | 12.1 | 12.3 |

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

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

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TABLE 23.       PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  1/
                    GROWN ON A GREEN AT ST. PAUL, MN  2/
                              2015 DATA

| NAME | SEP 9 | SEP 30 | OCTOBER | MEAN |
|------|-------|--------|---------|------|
| PST-ROPS | 28.0 | 47.0 | 32.7 | 35.9 |
| ARMOR | 22.7 | 46.7 | 28.7 | 32.7 |
| NIGHTLIFE | 19.3 | 37.0 | 23.3 | 26.6 |
| SHARK | 17.3 | 31.3 | 25.3 | 24.7 |
| PENNCROSS | 19.3 | 29.0 | 19.7 | 22.7 |
| PURE SELECT | 17.3 | 28.3 | 20.0 | 21.9 |
| KINGDOM | 20.0 | 26.7 | 16.7 | 21.1 |
| PIRANHA (DC-1) | 14.0 | 26.7 | 18.0 | 19.6 |
| 777 (DLFPS-AP/3054) | 16.7 | 26.3 | 14.3 | 19.1 |
| V-8 | 13.7 | 21.3 | 16.0 | 17.0 |
| BARRACUDA | 13.3 | 22.0 | 14.3 | 16.6 |
| L-93 XD | 14.0 | 22.7 | 11.3 | 16.0 |
| LUMINARY | 12.3 | 22.3 | 12.3 | 15.7 |
| PENN A-1 | 12.7 | 20.0 | 14.0 | 15.6 |
| DLFPS-AP/3059 | 11.7 | 21.0 | 12.0 | 14.9 |
| DLFPS-AP/3018 | 10.7 | 20.0 | 13.7 | 14.8 |
| DLFPS-AP/3058 | 10.0 | 19.7 | 10.0 | 13.2 |
| DLFPS-AP/3056 | 10.0 | 18.0 | 10.3 | 12.8 |
| GDE | 8.3 | 18.7 | 10.7 | 12.6 |
| DECLARATION | 10.0 | 16.0 | 10.3 | 12.1 |
| | | | | |
| LSD VALUE | 9.2 | 13.9 | 11.9 | 10.6 |
| C.V. (%) | 32.9 | 30.3 | 38.6 | 31.2 |

1/  TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD O.05).

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

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     TABLE 24.        PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS  1/
                              GROWN ON A GREEN AT RALEIGH, NC  2/
                                        2015 DATA
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| NAME | NOVEMBER 2014 | DECEMBER 2014 | JANUARY 2015 | FEBRUARY 2015 | MEAN |
|------|------|------|------|------|------|
| BARRACUDA | 65.0 | 85.0 | 90.0 | 91.7 | 82.9 |
| GDE | 60.0 | 76.7 | 85.0 | 86.7 | 77.1 |
| PURE SELECT | 63.3 | 76.7 | 81.7 | 86.7 | 77.1 |
| PENNCROSS | 51.7 | 78.3 | 86.7 | 90.0 | 76.7 |
| PENN A-1 | 51.7 | 75.0 | 83.3 | 90.0 | 75.0 |
| DECLARATION | 55.0 | 73.3 | 80.0 | 85.0 | 73.3 |
| DLFPS-AP/3018 | 58.3 | 73.3 | 78.3 | 81.7 | 72.9 |
| DLFPS-AP/3056 | 55.0 | 73.3 | 78.3 | 81.7 | 72.1 |
| DLFPS-AP/3058 | 50.0 | 73.3 | 80.0 | 83.3 | 71.7 |
| V-8 | 53.3 | 73.3 | 78.3 | 81.7 | 71.7 |
| DLFPS-AP/3059 | 51.7 | 73.3 | 78.3 | 81.7 | 71.3 |
| 777 (DLFPS-AP/3054) | 53.3 | 73.3 | 76.7 | 80.0 | 70.8 |
| NIGHTLIFE | 51.7 | 70.0 | 76.7 | 81.7 | 70.0 |
| SHARK | 46.7 | 70.0 | 76.7 | 81.7 | 68.8 |
| KINGDOM | 43.3 | 70.0 | 75.0 | 78.3 | 66.7 |
| L-93 XD | 43.3 | 66.7 | 75.0 | 80.0 | 66.3 |
| LUMINARY | 46.7 | 66.7 | 73.3 | 78.3 | 66.3 |
| PST-ROPS | 33.3 | 63.3 | 70.0 | 75.0 | 60.4 |
| PIRANHA (DC-1) | 38.3 | 60.0 | 66.7 | 75.0 | 60.0 |
| ARMOR | 38.3 | 61.7 | 65.0 | 66.7 | 57.9 |
| | | | | | |
| LSD VALUE | 15.4 | 14.3 | 11.0 | 12.4 | 11.0 |
| C.V. (%) | 16.4 | 9.6 | 7.8 | 7.7 | 8.6 |

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

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

TABLE 25.     PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS  1/
GROWN ON A GREEN AT STILLWATER, OK  2/
2015 DATA

| NAME | 3-WEEKS | 4-WEEKS | 5-WEEKS | MEAN |
|------|---------|---------|---------|------|
| LUMINARY | 31.7 | 50.0 | 55.0 | 45.6 |
| SHARK | 30.0 | 45.0 | 55.0 | 43.3 |
| BARRACUDA | 31.7 | 45.0 | 51.7 | 42.8 |
| NIGHTLIFE | 30.0 | 46.7 | 51.7 | 42.8 |
| V-8 | 30.0 | 45.0 | 50.0 | 41.7 |
| DLFPS-AP/3056 | 25.0 | 38.3 | 53.3 | 38.9 |
| 777 (DLFPS-AP/3054) | 26.7 | 38.3 | 48.3 | 37.8 |
| PENNCROSS | 28.3 | 40.0 | 45.0 | 37.8 |
| GDE | 25.0 | 40.0 | 46.7 | 37.2 |
| ARMOR | 25.0 | 36.7 | 43.3 | 35.0 |
| PENN A-1 | 25.0 | 36.7 | 43.3 | 35.0 |
| KINGDOM | 23.3 | 33.3 | 41.7 | 32.8 |
| DLFPS-AP/3058 | 21.0 | 33.3 | 41.7 | 32.0 |
| PURE SELECT | 21.0 | 31.7 | 41.7 | 31.4 |
| PST-ROPS | 20.0 | 33.3 | 38.3 | 30.6 |
| DLFPS-AP/3018 | 16.0 | 28.3 | 35.0 | 26.4 |
| DLFPS-AP/3059 | 15.0 | 28.3 | 35.0 | 26.1 |
| DECLARATION | 14.3 | 25.0 | 36.7 | 25.3 |
| PIRANHA (DC-1) | 10.0 | 25.0 | 40.0 | 25.0 |
| L-93 XD | 6.0 | 11.7 | 23.3 | 13.7 |
| | | | | |
| LSD VALUE | 15.6 | 23.3 | 21.9 | 18.7 |
| C.V. (%) | 35.0 | 30.8 | 22.7 | 26.8 |

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

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

APPENDIX TABLE.    SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS
GROWN ON A GREEN
2015 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

| NAME | QUALITY MEAN 1/ | MAXIMUM IN TOP 25% 2/ |
|------|------|------|
| 777 (DLFPS-AP/3054) | 6.4 | 46.2 |
| ARMOR | 5.7 | 23.1 |
| BARRACUDA | 6.1 | 15.4 |
| DECLARATION | 5.8 | 0.0 |
| DLFPS-AP/3018 | 6.3 | 53.8 |
| DLFPS-AP/3056 | 6.1 | 23.1 |
| DLFPS-AP/3058 | 6.2 | 15.4 |
| DLFPS-AP/3059 | 5.8 | 0.0 |
| GDE | 6.3 | 30.8 |
| KINGDOM | 5.9 | 30.8 |
| L-93 XD | 6.4 | 38.5 |
| LUMINARY | 6.0 | 0.0 |
| NIGHTLIFE | 6.0 | 30.8 |
| PENN A-1 | 5.6 | 0.0 |
| PENNCROSS | 4.4 | 0.0 |
| PIRANHA (DC-1) | 6.2 | 46.2 |
| PST-ROPS | 6.1 | 38.5 |
| PURE SELECT | 6.0 | 7.7 |
| SHARK | 6.2 | 15.4 |
| V-8 | 6.2 | 38.5 |
| | | |
| LSD VALUE | 0.2 | |
| C.V. (%) | 8.3 | |

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