

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 2002 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>.

2008 NATIONAL BENTGRASS TEST
(Greens)

LOCATIONS SUBMITTING DATA FOR 2011

| <u>State</u> | <u>Location</u> | <u>Code</u> |
|----------------|--|-------------|
| Arkansas | Fayetteville | AR1 |
| Illinois | Glenview (North Shore C. C.) | IL4 |
| Indiana | West Lafayette | IN1 |
| Kentucky | Lexington | KY1 |
| Massachusetts | Amherst (Traffic) | MA1 |
| Minnesota | St. Paul | MN1 |
| New Jersey | North Brunswick | NJ1 |
| New York | Farmingdale (Bethpage State Park - Low Input) | NY2 |
| North Carolina | Pinehurst (Pinehurst Resort) | NC2 |
| Pennsylvania | University Park | PA1 |
| Rhode Island | Kingston | RI1 |
| Utah | Logan | UT1 |
| Virginia | Blacksburg | VA1 |
| Washington | Puyallup | WA3 |

2008 NATIONAL BENTGRASS TEST
(Putting Green)

Entries and Sponsors

| Entry No. | Name | Species | Sponsor |
|---|----------------------------|----------|----------------------------|
| * 1 | Penncross | creeping | Standard entry |
| * 2 | Penn A-1 | creeping | Standard entry |
| * 3 | SR 7200 | velvet | Standard entry |
| * 4 | Declaration | creeping | Standard entry |
| * 5 | Proclamation (LTP-FEC) | creeping | Lebanon Seaboard Corp. |
| * 6 | L-93 | creeping | Standard entry |
| * 7 | T-1 | creeping | Jacklin Seed by Simplot |
| * 8 | Alpha | creeping | Jacklin Seed by Simplot |
| * 9 | Penn A-2 | creeping | John Deere Landscapes |
| 10 | Barracuda (MVS-AP-101) | creeping | Mountain View Seeds |
| * 11 | Luminary (A08-TDN2) | creeping | The Scotts Company |
| 12 | AFM | creeping | John Deere Landscapes |
| * 13 | Authority | creeping | John Deere Landscapes |
| * 14 | Focus (SRP-1GMC) | creeping | Seed Research of Oregon |
| 15 | SRP-1BLTR3 | creeping | Seed Research of Oregon |
| * 16 | Pure Distinction (PST-OJO) | creeping | Penncross Bentgrass Assoc. |
| * 17 | V8 | creeping | Jacklin Seed by Simplot |
| * 18 | Pin-up (HTM) | creeping | ProSeeds Marketing |
| * 19 | Villa | velvet | Standard entry |
| * COMMERCIALY AVAILABLE IN THE USA IN 2012. | | | |

TABLE A.

2011 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2008 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 |
| IL4 | SAND | - | - | - | - | 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 | - | TO PREVENT STRESS |
| KY1 | SAND | 6.6-7.0 | 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 |
| MN1 | SAND | 7.1-7.5 | 0-60 | 0-150 | 2.1-3.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| NC2 | SILTY CLAY AND CLAY | 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 | 0-150 | 2.1-3.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| NY2 | LOAMY SAND | 7.1-7.5 | 61-150 | 0-150 | 2.1-3.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| PA1 | LOAMY SAND | 6.6-7.0 | 61-150 | 0-150 | 3.1-4.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| RI1 | SAND | - | - | - | 5.1-6.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |
| UT1 | - | - | - | - | - | - | - | - |
| 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 |
| WA3 | SAND | 5.6-6.0 | 0-60 | 0-150 | 3.1-4.0 | FULL SUN | 0.0-0.5 | TO PREVENT STRESS |

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2011

| 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 | | X | | X | | X |
| IL4 | | | | X | X | X | X | X | X | X | | | X | X | |
| IN1 | | | | X | X | X | X | X | X | | | | X | | |
| KY1 | | | X | X | X | X | X | X | X | X | | | | | |
| MA1 | | | | X | X | X | X | X | X | | X | X | | X | |
| MN1 | | | | | X | X | X | | | X | | | | | |
| NC2 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| NJ1 | | | | X | X | X | X | X | X | X | | | X | X | X |
| NY2 | | | | X | X | X | X | X | X | X | | | | X | |
| PA1 | | | | | X | X | X | X | X | X | | | X | | |
| RI1 | | | | X | X | X | X | X | X | X | X | | | X | |
| UT1 | | | | | X | X | X | X | X | X | | | X | X | |
| VA1 | | | X | X | X | X | X | X | X | X | | | | | |
| WA3 | X | X | X | X | X | X | X | X | X | X | X | X | X | | |

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2011

| LOCATION | SUMMER DENSITY | FALL DENSITY | PERCENT COVER SPRING | PERCENT COVER SUMMER | PERCENT COVER FALL | WINTER COLOR | DOLLAR SPOT | PINK SNOW MOLD | TAKE-ALL PATCH | FALL COLOR NOVEMBER | POA ANNUA |
|----------|----------------|--------------|----------------------|----------------------|--------------------|--------------|-------------|----------------|----------------|---------------------|-----------|
| AR1 | | | | | | | | | | | |
| IL4 | | | | | | | | | | | |
| IN1 | | | | | | | | X | | | |
| KY1 | | | | | | X | | | | | |
| MA1 | | | | | | | | | | | |
| MN1 | | | | | | X | | | | | |
| NC2 | X | X | | | | X | | | | X | |
| NJ1 | | X | | | | X | | | X | | |
| NY2 | | | | | | | | | | | |
| PA1 | | | | | | | X | | | X | X |
| RI1 | X | | X | X | X | | | | | | |
| UT1 | | | | | | | | | | | |
| VA1 | | | | | | | | | | | |
| WA3 | | | | | | X | X | | | | |

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2011

| LOCATION | TURF UNIFORMITY | PERCENT SNOW MOLD | AERIFICATION RECOVERY | | DOLLAR SPOT | | DOLLAR SPOT RATINGS | | | DOLLAR SPOT | |
|----------|--------------------|-------------------------|--------------------------|----------|----------------|------|---------------------|--------|----------|-------------|------|
| | | | APRIL | NOVEMBER | MAY | JUNE | JULY | AUGUST | NOVEMBER | MAY | JULY |
| AR1 | | | X | X | X | X | | | | | |
| IL4 | | | | | | | | | | | |
| IN1 | | | | | | | | | | | |
| KY1 | | | | | | | | | | | |
| * MA1 | | | | | | | | | | | |
| MN1 | | | | | | | | | | | |
| NC2 | | | | | | | | | | | |
| NJ1 | | | | | | | | | | | |
| NY2 | | | | | | | | | | | |
| PA1 | | | | | | | | | | | |
| RI1 | X | | | | | | X | X | X | | |
| UT1 | | X | | | | | | | | | |
| VA1 | | | | | | | | | | X | X |
| WA3 | | | | | | | | | | | |

* MORE DATA FOR "MA1" IN TABLE 4.

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 **/
2011 DATA

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

| NAME | VA1 | KY1 | IN1 | AR1 | UT1 | MEAN |
|------------------------------|------|------|------|-----|------|------|
| * V8 | 5.6 | 7.3 | 8.0 | 8.0 | 5.0 | 6.8 |
| BARRACUDA (MVS-AP-101) | 5.5 | 7.0 | 7.8 | 7.9 | 5.1 | 6.6 |
| * FOCUS (SRP-1GMC) | 5.5 | 7.0 | 7.8 | 7.9 | 4.9 | 6.6 |
| * PROCLAMATION (LTP-FEC) | 5.5 | 6.8 | 7.8 | 7.8 | 5.0 | 6.6 |
| * LUMINARY (A08-TDN2) | 5.5 | 6.8 | 7.7 | 7.8 | 5.1 | 6.6 |
| * PIN-UP (HTM) | 5.5 | 6.8 | 7.8 | 7.8 | 4.9 | 6.5 |
| * AUTHORITY | 5.4 | 7.0 | 7.8 | 7.8 | 4.6 | 6.5 |
| * DECLARATION | 5.5 | 6.5 | 7.7 | 7.8 | 4.9 | 6.5 |
| AFM | 5.5 | 6.6 | 7.7 | 7.8 | 4.7 | 6.5 |
| * ALPHA | 5.2 | 6.3 | 7.5 | 7.6 | 4.4 | 6.2 |
| * PURE DISTINCTION (PST-OJO) | 5.0 | 6.5 | 7.3 | 7.3 | 4.7 | 6.2 |
| * T-1 | 5.0 | 6.7 | 7.5 | 7.5 | 4.2 | 6.1 |
| SRP-1BLTR3 | 5.0 | 6.5 | 7.4 | 7.4 | 4.3 | 6.1 |
| * PENN A-1 | 5.1 | 6.0 | 7.3 | 7.5 | 4.4 | 6.1 |
| * PENN A-2 | 5.0 | 5.8 | 7.2 | 7.4 | 4.3 | 6.0 |
| * L-93 | 5.0 | 5.9 | 7.2 | 7.4 | 4.1 | 5.9 |
| * PENNCROSS | 3.9 | 4.9 | 6.2 | 6.3 | 3.0 | 4.8 |
| * VILLA | 4.6 | 2.8 | 5.8 | 6.4 | 4.5 | 4.8 |
| * SR 7200 | 3.9 | 2.7 | 5.4 | 5.9 | 3.4 | 4.3 |
| LSD VALUE | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| C.V. (%) | 14.4 | 12.1 | 10.1 | 9.9 | 16.4 | 12.1 |

* COMMERCIALY AVAILABLE IN THE USA IN 2012.

**/ 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 1B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2011 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ | | | | | | |
|--|------|------|------|-----|------|------|
| NAME | VA1 | KY1 | IN1 | AR1 | UT1 | MEAN |
| V8 | 5.6 | 7.3 | 8.0 | 8.0 | 5.0 | 6.8 |
| BARRACUDA (MVS-AP-101) | 5.5 | 7.0 | 7.8 | 7.9 | 5.1 | 6.6 |
| FOCUS (SRP-1GMC) | 5.5 | 7.0 | 7.8 | 7.9 | 4.9 | 6.6 |
| PROCLAMATION (LTP-FEC) | 5.5 | 6.8 | 7.8 | 7.8 | 5.0 | 6.6 |
| LUMINARY (A08-TDN2) | 5.5 | 6.8 | 7.7 | 7.8 | 5.1 | 6.6 |
| PIN-UP (HTM) | 5.5 | 6.8 | 7.8 | 7.8 | 4.9 | 6.5 |
| AUTHORITY | 5.4 | 7.0 | 7.8 | 7.8 | 4.6 | 6.5 |
| DECLARATION | 5.5 | 6.5 | 7.7 | 7.8 | 4.9 | 6.5 |
| AFM | 5.5 | 6.6 | 7.7 | 7.8 | 4.7 | 6.5 |
| ALPHA | 5.2 | 6.3 | 7.5 | 7.6 | 4.4 | 6.2 |
| PURE DISTINCTION (PST-OJO) | 5.0 | 6.5 | 7.3 | 7.3 | 4.7 | 6.2 |
| T-1 | 5.0 | 6.7 | 7.5 | 7.5 | 4.2 | 6.1 |
| SRP-1BLTR3 | 5.0 | 6.5 | 7.4 | 7.4 | 4.3 | 6.1 |
| PENN A-1 | 5.1 | 6.0 | 7.3 | 7.5 | 4.4 | 6.1 |
| PENN A-2 | 5.0 | 5.8 | 7.2 | 7.4 | 4.3 | 6.0 |
| L-93 | 5.0 | 5.9 | 7.2 | 7.4 | 4.1 | 5.9 |
| PENNCROSS | 3.9 | 4.9 | 6.2 | 6.3 | 3.0 | 4.8 |
| LSD VALUE | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| C.V. (%) | 14.4 | 12.1 | 10.1 | 9.9 | 16.4 | 12.1 |

TABLE 1C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2011 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ | | | | | | |
|--|------|------|------|------|------|------|
| NAME | VA1 | KY1 | IN1 | AR1 | UT1 | MEAN |
| VILLA | 4.6 | 2.8 | 5.8 | 6.4 | 4.5 | 4.8 |
| SR 7200 | 3.9 | 2.7 | 5.4 | 5.9 | 3.4 | 4.3 |
| LSD VALUE | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| C.V. (%) | 17.4 | 27.1 | 13.1 | 12.0 | 18.7 | 16.3 |

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

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

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

TABLE 2A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2011 DATA

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

| NAME | RI1 | MN1 | WA3 | MEAN |
|----------------------------|------|------|------|------|
| VILLA | 7.4 | 4.9 | 6.1 | 6.2 |
| DECLARATION | 6.7 | 4.8 | 5.7 | 5.7 |
| LUMINARY (A08-TDN2) | 6.9 | 4.2 | 5.9 | 5.7 |
| PROCLAMATION (LTP-FEC) | 6.6 | 4.5 | 5.7 | 5.6 |
| BARRACUDA (MVS-AP-101) | 6.7 | 4.3 | 5.8 | 5.6 |
| PIN-UP (HTM) | 6.5 | 4.5 | 5.6 | 5.6 |
| V8 | 6.5 | 4.4 | 5.7 | 5.5 |
| AFM | 6.3 | 4.9 | 5.4 | 5.5 |
| FOCUS (SRP-1GMC) | 6.5 | 4.5 | 5.6 | 5.5 |
| PENN A-1 | 6.1 | 4.8 | 5.1 | 5.3 |
| ALPHA | 6.0 | 4.8 | 5.1 | 5.3 |
| PENN A-2 | 6.0 | 4.7 | 5.0 | 5.2 |
| AUTHORITY | 6.0 | 4.5 | 5.2 | 5.2 |
| PURE DISTINCTION (PST-OJO) | 6.5 | 3.4 | 5.5 | 5.1 |
| L-93 | 5.7 | 4.8 | 4.8 | 5.1 |
| SR 7200 | 6.0 | 4.4 | 4.8 | 5.1 |
| SRP-1BLTR3 | 5.7 | 4.2 | 4.9 | 4.9 |
| T-1 | 5.5 | 4.2 | 4.7 | 4.8 |
| PENNCROSS | 4.5 | 3.8 | 3.6 | 3.9 |
| LSD VALUE | 1.2 | 1.2 | 1.2 | 1.2 |
| C.V. (%) | 11.9 | 16.6 | 14.0 | 13.9 |

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

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

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

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2011 DATA

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

| NAME | RI1 | MN1 | WA3 | MEAN |
|----------------------------|------|------|------|------|
| DECLARATION | 6.7 | 4.8 | 5.7 | 5.7 |
| LUMINARY (A08-TDN2) | 6.9 | 4.2 | 5.9 | 5.7 |
| PROCLAMATION (LTP-FEC) | 6.6 | 4.5 | 5.7 | 5.6 |
| BARRACUDA (MVS-AP-101) | 6.7 | 4.3 | 5.8 | 5.6 |
| PIN-UP (HTM) | 6.5 | 4.5 | 5.6 | 5.6 |
| V8 | 6.5 | 4.4 | 5.7 | 5.5 |
| AFM | 6.3 | 4.9 | 5.4 | 5.5 |
| FOCUS (SRP-1GMC) | 6.5 | 4.5 | 5.6 | 5.5 |
| PENN A-1 | 6.1 | 4.8 | 5.1 | 5.3 |
| ALPHA | 6.0 | 4.8 | 5.1 | 5.3 |
| PENN A-2 | 6.0 | 4.7 | 5.0 | 5.2 |
| AUTHORITY | 6.0 | 4.5 | 5.2 | 5.2 |
| PURE DISTINCTION (PST-OJO) | 6.5 | 3.4 | 5.5 | 5.1 |
| L-93 | 5.7 | 4.8 | 4.8 | 5.1 |
| SRP-1BLTR3 | 5.7 | 4.2 | 4.9 | 4.9 |
| T-1 | 5.5 | 4.2 | 4.7 | 4.8 |
| PENNCROSS | 4.5 | 3.8 | 3.6 | 3.9 |
| LSD VALUE | 1.2 | 1.2 | 1.2 | 1.2 |
| C.V. (%) | 12.0 | 16.6 | 14.0 | 14.0 |

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2011 DATA

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

| NAME | RI1 | MN1 | WA3 | MEAN |
|-----------|------|------|------|------|
| VILLA | 7.4 | 4.9 | 6.1 | 6.2 |
| SR 7200 | 6.0 | 4.4 | 4.8 | 5.1 |
| LSD VALUE | 1.2 | 1.2 | 1.2 | 1.2 |
| C.V. (%) | 11.0 | 15.9 | 13.5 | 13.1 |

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

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

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

TABLE 3A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
2011 DATA

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

| NAME | PA1 | NJ1 | MEAN |
|----------------------------|------|------|------|
| PURE DISTINCTION (PST-OJO) | 8.0 | 7.7 | 7.9 |
| LUMINARY (A08-TDN2) | 7.7 | 7.5 | 7.6 |
| BARRACUDA (MVS-AP-101) | 7.7 | 7.1 | 7.4 |
| V8 | 7.8 | 6.6 | 7.2 |
| PROCLAMATION (LTP-FEC) | 7.2 | 6.5 | 6.8 |
| FOCUS (SRP-1GMC) | 7.2 | 6.2 | 6.7 |
| PIN-UP (HTM) | 6.9 | 6.1 | 6.5 |
| DECLARATION | 6.4 | 5.8 | 6.1 |
| AUTHORITY | 6.8 | 5.2 | 6.0 |
| SRP-1BLTR3 | 6.3 | 4.8 | 5.5 |
| AFM | 5.9 | 4.8 | 5.4 |
| T-1 | 6.2 | 4.3 | 5.3 |
| ALPHA | 5.4 | 4.2 | 4.8 |
| PENN A-1 | 5.1 | 4.3 | 4.7 |
| PENN A-2 | 4.9 | 4.2 | 4.6 |
| L-93 | 4.6 | 3.5 | 4.1 |
| VILLA | 2.0 | 5.7 | 3.9 |
| PENNCROSS | 3.3 | 1.8 | 2.6 |
| SR 7200 | 1.1 | 3.3 | 2.2 |
| LSD VALUE | 1.2 | 1.2 | 1.2 |
| C.V. (%) | 12.7 | 14.1 | 13.3 |

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

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

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

TABLE 3B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
2011 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ | | | |
|--|------|------|------|
| NAME | PA1 | NJ1 | MEAN |
| PURE DISTINCTION (PST-OJO) | 8.0 | 7.7 | 7.9 |
| LUMINARY (A08-TDN2) | 7.7 | 7.5 | 7.6 |
| BARRACUDA (MVS-AP-101) | 7.7 | 7.1 | 7.4 |
| V8 | 7.8 | 6.6 | 7.2 |
| PROCLAMATION (LTP-FEC) | 7.2 | 6.5 | 6.8 |
| FOCUS (SRP-1GMC) | 7.2 | 6.2 | 6.7 |
| PIN-UP (HTM) | 6.9 | 6.1 | 6.5 |
| DECLARATION | 6.4 | 5.8 | 6.1 |
| AUTHORITY | 6.8 | 5.2 | 6.0 |
| SRP-1BLTR3 | 6.3 | 4.8 | 5.5 |
| AFM | 5.9 | 4.8 | 5.4 |
| T-1 | 6.2 | 4.3 | 5.3 |
| ALPHA | 5.4 | 4.2 | 4.8 |
| PENN A-1 | 5.1 | 4.3 | 4.7 |
| PENN A-2 | 4.9 | 4.2 | 4.6 |
| L-93 | 4.6 | 3.5 | 4.1 |
| PENNCROSS | 3.3 | 1.8 | 2.6 |
| LSD VALUE | 1.2 | 1.2 | 1.2 |
| C.V. (%) | 11.7 | 13.9 | 12.7 |

TABLE 3C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
2011 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/ | | | |
|--|------|------|------|
| NAME | PA1 | NJ1 | MEAN |
| VILLA | 2.0 | 5.7 | 3.9 |
| SR 7200 | 1.1 | 3.3 | 2.2 |
| LSD VALUE | 1.2 | 1.2 | 1.2 |
| C.V. (%) | 47.9 | 16.3 | 24.4 |

*/ 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 4A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2011 DATA

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

| NAME | SPRING GREENUP | PERCENT BROWN PATCH | DOLLAR SPOT COUNTS PER PLOT | WEAR TOLERANCE RATINGS | | | QUALITY RATINGS | | | | | | | | | |
|----------------------------|-------------------|---------------------------|-----------------------------------|------------------------|--------|-----------|-----------------|-----|-----|------|-----|-----|------|-----|------|------|
| | | | | JUNE | AUGUST | SEPTEMBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| VILLA | 8.0 | 0.0 | 1.7 | 7.0 | 8.0 | 6.0 | 8.0 | 8.0 | 7.0 | 8.0 | 7.7 | 7.3 | 6.7 | 6.3 | 5.0 | 7.1 |
| PURE DISTINCTION (PST-OJO) | 5.7 | 5.0 | 43.7 | 6.0 | 6.7 | 6.0 | 7.3 | 7.7 | 7.0 | 7.7 | 7.3 | 5.7 | 7.0 | 6.7 | 6.0 | 6.9 |
| FOCUS (SRP-1GMC) | 6.7 | 11.7 | 5.0 | 5.7 | 6.0 | 5.3 | 7.3 | 7.3 | 6.7 | 6.7 | 6.0 | 6.7 | 6.7 | 6.7 | 5.7 | 6.6 |
| LUMINARY (A08-TDN2) | 7.3 | 0.0 | 10.7 | 5.3 | 6.3 | 5.3 | 7.0 | 6.7 | 7.0 | 7.0 | 6.7 | 6.7 | 6.7 | 6.3 | 5.3 | 6.6 |
| BARRACUDA (MVS-AP-101) | 7.0 | 20.0 | 8.7 | 5.7 | 5.3 | 5.0 | 7.3 | 7.3 | 6.7 | 6.3 | 6.3 | 5.7 | 6.3 | 6.3 | 5.7 | 6.4 |
| V8 | 6.0 | 5.0 | 6.7 | 5.3 | 5.7 | 5.7 | 7.3 | 7.7 | 6.3 | 7.0 | 6.3 | 6.0 | 6.0 | 5.7 | 5.0 | 6.4 |
| PIN-UP (HTM) | 6.7 | 3.3 | 12.7 | 5.7 | 6.0 | 5.3 | 6.7 | 7.0 | 7.0 | 6.7 | 6.3 | 6.3 | 6.3 | 5.7 | 5.0 | 6.3 |
| AUTHORITY | 6.0 | 1.7 | 12.3 | 4.3 | 6.0 | 5.3 | 6.7 | 7.0 | 6.0 | 6.3 | 6.0 | 6.0 | 6.3 | 5.7 | 5.0 | 6.1 |
| DECLARATION | 7.0 | 11.7 | 4.0 | 5.3 | 5.7 | 5.0 | 7.0 | 7.0 | 6.0 | 6.0 | 5.3 | 5.0 | 5.7 | 6.3 | 6.0 | 6.0 |
| PROCLAMATION (LTP-FEC) | 6.7 | 6.7 | 15.0 | 5.0 | 6.0 | 5.0 | 6.7 | 6.7 | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.0 | 4.7 | 6.0 |
| SRP-1BLTR3 | 6.7 | 8.3 | 23.3 | 5.0 | 5.7 | 6.7 | 6.0 | 6.7 | 5.7 | 6.7 | 6.0 | 6.0 | 6.7 | 5.7 | 4.3 | 6.0 |
| T-1 | 5.3 | 8.3 | 20.3 | 5.3 | 5.7 | 5.3 | 6.3 | 7.0 | 6.3 | 6.7 | 5.7 | 6.0 | 5.7 | 4.7 | 4.7 | 5.9 |
| AFM | 6.3 | 23.3 | 10.7 | 5.3 | 6.0 | 5.0 | 6.7 | 6.7 | 6.0 | 6.3 | 5.0 | 5.0 | 5.3 | 5.7 | 5.0 | 5.7 |
| ALPHA | 5.7 | 5.0 | 19.7 | 5.3 | 5.7 | 5.7 | 6.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.3 | 5.3 | 4.7 | 4.0 | 5.6 |
| PENN A-1 | 5.7 | 6.7 | 7.7 | 5.0 | 5.3 | 3.7 | 6.7 | 7.0 | 5.3 | 6.0 | 5.3 | 5.0 | 5.0 | 4.7 | 4.7 | 5.5 |
| SR 7200 | 7.7 | 3.3 | 0.0 | 4.3 | 4.7 | 6.0 | 6.0 | 4.7 | 5.3 | 5.3 | 5.0 | 5.7 | 5.3 | 6.0 | 5.7 | 5.4 |
| L-93 | 5.7 | 5.0 | 10.7 | 4.7 | 5.3 | 5.3 | 5.7 | 6.3 | 5.0 | 5.7 | 5.0 | 5.0 | 5.0 | 5.0 | 4.7 | 5.3 |
| PENN A-2 | 5.0 | 5.0 | 13.0 | 4.3 | 4.7 | 5.3 | 5.7 | 6.3 | 5.0 | 5.3 | 5.0 | 5.3 | 4.0 | 4.7 | 4.7 | 5.1 |
| PENNCROSS | 4.0 | 53.3 | 8.7 | 4.0 | 4.0 | 3.3 | 4.7 | 5.7 | 4.0 | 4.3 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.2 |
| LSD VALUE | 1.2 | 9.8 | 10.8 | 1.0 | 1.3 | 1.2 | 0.9 | 0.6 | 0.6 | 1.1 | 0.7 | 0.7 | 1.2 | 0.9 | 1.0 | 0.5 |
| C.V. (%) | 11.8 | 65.9 | 54.0 | 11.6 | 12.7 | 13.2 | 8.7 | 6.1 | 6.9 | 10.6 | 7.6 | 8.1 | 12.6 | 9.7 | 11.9 | 5.5 |

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 4B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2011 DATA

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

| NAME | SPRING GREENUP | PERCENT BROWN PATCH | DOLLAR SPOT COUNTS PER PLOT | WEAR TOLERANCE RATINGS | | | QUALITY RATINGS | | | | | | | | | | MEAN |
|----------------------------|-------------------|---------------------------|-----------------------------------|------------------------|--------|-----------|-----------------|-----|-----|------|-----|-----|------|-----|------|-----|------|
| | | | | JUNE | AUGUST | SEPTEMBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | | |
| PURE DISTINCTION (PST-OJO) | 5.7 | 5.0 | 43.7 | 6.0 | 6.7 | 6.0 | 7.3 | 7.7 | 7.0 | 7.7 | 7.3 | 5.7 | 7.0 | 6.7 | 6.0 | 6.9 | |
| FOCUS (SRP-1GMC) | 6.7 | 11.7 | 5.0 | 5.7 | 6.0 | 5.3 | 7.3 | 7.3 | 6.7 | 6.7 | 6.0 | 6.7 | 6.7 | 6.7 | 5.7 | 6.6 | |
| LUMINARY (A08-TDN2) | 7.3 | 0.0 | 10.7 | 5.3 | 6.3 | 5.3 | 7.0 | 6.7 | 7.0 | 7.0 | 6.7 | 6.7 | 6.7 | 6.3 | 5.3 | 6.6 | |
| BARRACUDA (MVS-AP-101) | 7.0 | 20.0 | 8.7 | 5.7 | 5.3 | 5.0 | 7.3 | 7.3 | 6.7 | 6.3 | 6.3 | 5.7 | 6.3 | 6.3 | 5.7 | 6.4 | |
| V8 | 6.0 | 5.0 | 6.7 | 5.3 | 5.7 | 5.7 | 7.3 | 7.7 | 6.3 | 7.0 | 6.3 | 6.0 | 6.0 | 5.7 | 5.0 | 6.4 | |
| PIN-UP (HTM) | 6.7 | 3.3 | 12.7 | 5.7 | 6.0 | 5.3 | 6.7 | 7.0 | 7.0 | 6.7 | 6.3 | 6.3 | 6.3 | 5.7 | 5.0 | 6.3 | |
| AUTHORITY | 6.0 | 1.7 | 12.3 | 4.3 | 6.0 | 5.3 | 6.7 | 7.0 | 6.0 | 6.3 | 6.0 | 6.0 | 6.3 | 5.7 | 5.0 | 6.1 | |
| DECLARATION | 7.0 | 11.7 | 4.0 | 5.3 | 5.7 | 5.0 | 7.0 | 7.0 | 6.0 | 6.0 | 5.3 | 5.0 | 5.7 | 6.3 | 6.0 | 6.0 | |
| PROCLAMATION (LTP-FEC) | 6.7 | 6.7 | 15.0 | 5.0 | 6.0 | 5.0 | 6.7 | 6.7 | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.0 | 4.7 | 6.0 | |
| SRP-1BLTR3 | 6.7 | 8.3 | 23.3 | 5.0 | 5.7 | 6.7 | 6.0 | 6.7 | 5.7 | 6.7 | 6.0 | 6.0 | 6.7 | 5.7 | 4.3 | 6.0 | |
| T-1 | 5.3 | 8.3 | 20.3 | 5.3 | 5.7 | 5.3 | 6.3 | 7.0 | 6.3 | 6.7 | 5.7 | 6.0 | 5.7 | 4.7 | 4.7 | 5.9 | |
| AFM | 6.3 | 23.3 | 10.7 | 5.3 | 6.0 | 5.0 | 6.7 | 6.7 | 6.0 | 6.3 | 5.0 | 5.0 | 5.3 | 5.7 | 5.0 | 5.7 | |
| ALPHA | 5.7 | 5.0 | 19.7 | 5.3 | 5.7 | 5.7 | 6.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.3 | 5.3 | 4.7 | 4.0 | 5.6 | |
| PENN A-1 | 5.7 | 6.7 | 7.7 | 5.0 | 5.3 | 3.7 | 6.7 | 7.0 | 5.3 | 6.0 | 5.3 | 5.0 | 5.0 | 4.7 | 4.7 | 5.5 | |
| L-93 | 5.7 | 5.0 | 10.7 | 4.7 | 5.3 | 5.3 | 5.7 | 6.3 | 5.0 | 5.7 | 5.0 | 5.0 | 5.0 | 5.0 | 4.7 | 5.3 | |
| PENN A-2 | 5.0 | 5.0 | 13.0 | 4.3 | 4.7 | 5.3 | 5.7 | 6.3 | 5.0 | 5.3 | 5.0 | 5.3 | 4.0 | 4.7 | 4.7 | 5.1 | |
| PENNCROSS | 4.0 | 53.3 | 8.7 | 4.0 | 4.0 | 3.3 | 4.7 | 5.7 | 4.0 | 4.3 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.2 | |
| LSD VALUE | 1.4 | 10.1 | 11.4 | 1.2 | 1.6 | 1.4 | 1.0 | 0.7 | 0.7 | 1.3 | 0.7 | 0.7 | 1.0 | 0.8 | 0.9 | 0.5 | |
| C.V. (%) | 12.5 | 61.1 | 50.4 | 11.5 | 13.3 | 14.2 | 8.7 | 6.2 | 7.0 | 11.1 | 7.8 | 7.9 | 10.7 | 8.9 | 11.2 | 5.3 | |

TABLE 4C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2011 DATA

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

| NAME | SPRING GREENUP | PERCENT BROWN PATCH | DOLLAR SPOT COUNTS PER PLOT | WEAR TOLERANCE RATINGS | | | QUALITY RATINGS | | | | | | | | | | MEAN |
|-----------|-------------------|---------------------------|-----------------------------------|------------------------|--------|-----------|-----------------|-----|-----|-----|-----|------|------|------|------|-----|------|
| | | | | JUNE | AUGUST | SEPTEMBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | | |
| VILLA | 8.0 | 0.0 | 1.7 | 7.0 | 8.0 | 6.0 | 8.0 | 8.0 | 7.0 | 8.0 | 7.7 | 7.3 | 6.7 | 6.3 | 5.0 | 7.1 | |
| SR 7200 | 7.7 | 3.3 | 0.0 | 4.3 | 4.7 | 6.0 | 6.0 | 4.7 | 5.3 | 5.3 | 5.0 | 5.7 | 5.3 | 6.0 | 5.7 | 5.4 | |
| LSD VALUE | 1.4 | 10.1 | 11.4 | 1.2 | 1.6 | 1.4 | 1.0 | 0.7 | 0.7 | 1.3 | 0.7 | 0.7 | 1.0 | 0.8 | 0.9 | 0.5 | |
| C.V. (%) | 5.2 | 122.5 | 176.6 | 7.2 | 6.4 | 0.0 | 10.1 | 6.4 | 6.6 | 6.1 | 6.4 | 12.6 | 29.7 | 17.5 | 15.3 | 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 5A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
 GROWN ON A GREEN UNDER LOW INPUT AT FARMINGDALE (BETHPAGE STATE PARK), NY 1/
 2011 DATA

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

| NAME | SPRING GREENUP | QUALITY RATINGS | | | | | | | MEAN |
|----------------------------|-------------------|-----------------|-----|-----|-----|-----|-----|-----|------|
| | | APR | MAY | JUN | JUL | AUG | SEP | OCT | |
| ALPHA | 7.3 | 7.7 | 7.0 | 7.0 | 6.7 | 6.3 | 7.0 | 7.0 | 7.0 |
| DECLARATION | 7.3 | 7.7 | 7.0 | 7.0 | 6.7 | 6.3 | 7.0 | 7.0 | 7.0 |
| PURE DISTINCTION (PST-OJO) | 7.3 | 7.7 | 7.0 | 7.0 | 6.7 | 6.3 | 7.0 | 7.0 | 7.0 |
| T-1 | 8.0 | 8.0 | 7.0 | 7.0 | 7.0 | 6.3 | 7.0 | 7.0 | 7.0 |
| SR 7200 | 7.0 | 7.0 | 6.7 | 7.0 | 6.0 | 6.0 | 7.0 | 6.3 | 6.6 |
| LUMINARY (A08-TDN2) | 7.0 | 7.0 | 6.7 | 6.7 | 6.0 | 6.0 | 6.7 | 6.3 | 6.5 |
| PIN-UP (HTM) | 7.0 | 7.0 | 6.3 | 6.7 | 6.0 | 6.0 | 6.7 | 6.0 | 6.4 |
| V8 | 6.7 | 7.0 | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.0 | 6.2 |
| BARRACUDA (MVS-AP-101) | 6.3 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 6.0 | 6.0 | 6.0 |
| PENNCROSS | 6.7 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 6.0 | 6.0 | 6.0 |
| VILLA | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 5.3 | 6.0 | 6.0 | 6.0 |
| PENN A-1 | 6.0 | 6.3 | 6.0 | 6.0 | 5.7 | 5.0 | 6.0 | 6.0 | 5.9 |
| PENN A-2 | 6.0 | 6.0 | 6.0 | 6.0 | 5.3 | 5.0 | 6.0 | 5.7 | 5.7 |
| PROCLAMATION (LTP-FEC) | 6.0 | 6.0 | 6.0 | 6.0 | 5.3 | 5.0 | 6.0 | 5.7 | 5.7 |
| AUTHORITY | 6.0 | 6.0 | 5.7 | 5.7 | 5.0 | 5.0 | 5.7 | 5.0 | 5.4 |
| L-93 | 6.0 | 6.0 | 5.7 | 5.7 | 5.0 | 5.0 | 5.7 | 5.0 | 5.4 |
| SRP-1BLTR3 | 6.0 | 6.0 | 5.0 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.2 |
| AFM | 5.3 | 5.7 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.1 |
| FOCUS (SRP-1GMC) | 4.3 | 4.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 |
| LSD VALUE | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 | 0.1 |
| C.V. (%) | 4.8 | 4.8 | 4.4 | 4.7 | 5.0 | 5.5 | 4.0 | 4.2 | 1.4 |

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 5B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER LOW INPUT AT FARMINGDALE (BETHPAGE STATE PARK), NY 1/
2011 DATA

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

| NAME | SPRING GREENUP | QUALITY RATINGS | | | | | | | MEAN |
|----------------------------|-------------------|-----------------|-----|-----|-----|-----|-----|-----|------|
| | | APR | MAY | JUN | JUL | AUG | SEP | OCT | |
| ALPHA | 7.3 | 7.7 | 7.0 | 7.0 | 6.7 | 6.3 | 7.0 | 7.0 | 7.0 |
| DECLARATION | 7.3 | 7.7 | 7.0 | 7.0 | 6.7 | 6.3 | 7.0 | 7.0 | 7.0 |
| PURE DISTINCTION (PST-OJO) | 7.3 | 7.7 | 7.0 | 7.0 | 6.7 | 6.3 | 7.0 | 7.0 | 7.0 |
| T-1 | 8.0 | 8.0 | 7.0 | 7.0 | 7.0 | 6.3 | 7.0 | 7.0 | 7.0 |
| LUMINARY (A08-TDN2) | 7.0 | 7.0 | 6.7 | 6.7 | 6.0 | 6.0 | 6.7 | 6.3 | 6.5 |
| PIN-UP (HTM) | 7.0 | 7.0 | 6.3 | 6.7 | 6.0 | 6.0 | 6.7 | 6.0 | 6.4 |
| V8 | 6.7 | 7.0 | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 6.0 | 6.2 |
| BARRACUDA (MVS-AP-101) | 6.3 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 6.0 | 6.0 | 6.0 |
| PENNCROSS | 6.7 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 6.0 | 6.0 | 6.0 |
| PENN A-1 | 6.0 | 6.3 | 6.0 | 6.0 | 5.7 | 5.0 | 6.0 | 6.0 | 5.9 |
| PENN A-2 | 6.0 | 6.0 | 6.0 | 6.0 | 5.3 | 5.0 | 6.0 | 5.7 | 5.7 |
| PROCLAMATION (LTP-FEC) | 6.0 | 6.0 | 6.0 | 6.0 | 5.3 | 5.0 | 6.0 | 5.7 | 5.7 |
| AUTHORITY | 6.0 | 6.0 | 5.7 | 5.7 | 5.0 | 5.0 | 5.7 | 5.0 | 5.4 |
| L-93 | 6.0 | 6.0 | 5.7 | 5.7 | 5.0 | 5.0 | 5.7 | 5.0 | 5.4 |
| SRP-1BLTR3 | 6.0 | 6.0 | 5.0 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.2 |
| AFM | 5.3 | 5.7 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.1 |
| FOCUS (SRP-1GMC) | 4.3 | 4.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 |
| LSD VALUE | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.3 | 0.1 |
| C.V. (%) | 5.0 | 4.7 | 4.3 | 5.0 | 5.3 | 5.5 | 4.2 | 4.0 | 1.4 |

TABLE 5C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER LOW INPUT AT FARMINGDALE (BETHPAGE STATE PARK), NY 1/
2011 DATA

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

| NAME | SPRING GREENUP | QUALITY RATINGS | | | | | | | MEAN |
|-----------|-------------------|-----------------|-----|-----|-----|-----|-----|-----|------|
| | | APR | MAY | JUN | JUL | AUG | SEP | OCT | |
| SR 7200 | 7.0 | 7.0 | 6.7 | 7.0 | 6.0 | 6.0 | 7.0 | 6.3 | 6.6 |
| VILLA | 6.0 | 6.3 | 6.0 | 6.0 | 6.0 | 5.3 | 6.0 | 6.0 | 6.0 |
| LSD VALUE | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.3 | 0.1 |
| C.V. (%) | 0.0 | 6.1 | 6.4 | 0.0 | 0.0 | 7.2 | 0.0 | 6.6 | 0.9 |

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 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2008 NATIONAL BENTGRASS (GREENS) TEST AT GLENVIEW (NORTH SHORE COUNTRY CLUB), IL 1/
2011 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | FALL | QUALITY RATINGS | | | | | | | | MEAN |
|----------------------------|------------------|-------------------|------------------|-----------------|------|------|------|------|------|------|-----|------|
| | | | COLOR OCTOBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | | |
| BARRACUDA (MVS-AP-101) | 5.3 | 6.0 | 5.3 | 6.0 | 6.3 | 7.3 | 7.0 | 7.3 | 7.3 | 6.3 | 6.8 | |
| LUMINARY (A08-TDN2) | 5.7 | 5.0 | 5.7 | 6.0 | 7.0 | 6.7 | 7.3 | 6.3 | 7.3 | 6.7 | 6.8 | |
| PURE DISTINCTION (PST-OJO) | 4.7 | 5.0 | 4.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 7.3 | 6.7 | 6.8 | |
| DECLARATION | 6.0 | 5.3 | 6.0 | 6.3 | 6.0 | 6.7 | 7.0 | 7.0 | 7.7 | 6.3 | 6.7 | |
| V8 | 6.3 | 5.3 | 6.3 | 5.3 | 6.3 | 6.3 | 7.0 | 6.7 | 7.7 | 7.3 | 6.7 | |
| AFM | 6.3 | 5.7 | 6.3 | 5.7 | 6.7 | 7.0 | 6.3 | 7.0 | 6.7 | 7.0 | 6.6 | |
| PIN-UP (HTM) | 6.3 | 6.0 | 6.3 | 5.7 | 6.3 | 6.7 | 7.3 | 6.7 | 7.0 | 6.7 | 6.6 | |
| PROCLAMATION (LTP-FEC) | 6.3 | 6.3 | 6.3 | 5.7 | 6.0 | 7.3 | 6.3 | 6.0 | 7.0 | 7.0 | 6.5 | |
| ALPHA | 6.3 | 6.3 | 6.3 | 5.3 | 6.3 | 6.0 | 6.7 | 6.7 | 7.3 | 6.7 | 6.4 | |
| FOCUS (SRP-1GMC) | 5.7 | 6.0 | 5.7 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.3 | 6.7 | 6.4 | |
| SRP-1BLTR3 | 6.7 | 5.7 | 6.7 | 6.3 | 5.7 | 6.0 | 6.3 | 6.7 | 7.7 | 6.3 | 6.4 | |
| T-1 | 7.0 | 6.7 | 7.0 | 5.7 | 6.7 | 6.3 | 6.3 | 6.3 | 7.0 | 6.0 | 6.3 | |
| AUTHORITY | 6.0 | 5.7 | 6.0 | 5.0 | 6.7 | 6.0 | 6.3 | 7.0 | 6.7 | 5.3 | 6.1 | |
| L-93 | 6.7 | 6.3 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 6.3 | 6.7 | 6.0 | 6.1 | |
| PENN A-1 | 6.0 | 5.0 | 6.0 | 4.0 | 5.3 | 6.0 | 5.7 | 6.3 | 8.0 | 6.7 | 6.0 | |
| PENN A-2 | 6.3 | 5.3 | 6.3 | 4.3 | 6.7 | 6.0 | 6.0 | 6.0 | 7.0 | 6.3 | 6.0 | |
| PENNCROSS | 6.0 | 6.0 | 6.0 | 4.3 | 5.3 | 5.3 | 5.0 | 5.3 | 5.0 | 7.0 | 5.3 | |
| SR 7200 | 4.0 | 6.7 | 4.0 | 4.0 | 6.0 | 2.3 | 2.3 | 3.7 | 2.7 | 3.7 | 3.5 | |
| VILLA | 3.0 | 7.0 | 3.0 | 3.3 | 3.0 | 3.0 | 3.3 | 3.0 | 3.0 | 2.7 | 3.0 | |
| LSD VALUE | 1.2 | 1.2 | 1.2 | 1.3 | 1.4 | 1.2 | 1.3 | 1.3 | 1.7 | 1.7 | 0.6 | |
| C.V. (%) | 12.7 | 10.6 | 12.7 | 14.5 | 12.8 | 13.1 | 13.7 | 12.4 | 15.7 | 15.9 | 7.0 | |

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

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

TABLE 6B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
2011 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | FALL | QUALITY RATINGS | | | | | | | | MEAN |
|----------------------------|------------------|-------------------|------------------|-----------------|------|------|------|------|------|------|-----|------|
| | | | COLOR OCTOBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | | |
| BARRACUDA (MVS-AP-101) | 5.3 | 6.0 | 5.3 | 6.0 | 6.3 | 7.3 | 7.0 | 7.3 | 7.3 | 6.3 | 6.8 | |
| LUMINARY (A08-TDN2) | 5.7 | 5.0 | 5.7 | 6.0 | 7.0 | 6.7 | 7.3 | 6.3 | 7.3 | 6.7 | 6.8 | |
| PURE DISTINCTION (PST-OJO) | 4.7 | 5.0 | 4.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 7.3 | 6.7 | 6.8 | |
| DECLARATION | 6.0 | 5.3 | 6.0 | 6.3 | 6.0 | 6.7 | 7.0 | 7.0 | 7.7 | 6.3 | 6.7 | |
| V8 | 6.3 | 5.3 | 6.3 | 5.3 | 6.3 | 6.3 | 7.0 | 6.7 | 7.7 | 7.3 | 6.7 | |
| AFM | 6.3 | 5.7 | 6.3 | 5.7 | 6.7 | 7.0 | 6.3 | 7.0 | 6.7 | 7.0 | 6.6 | |
| PIN-UP (HTM) | 6.3 | 6.0 | 6.3 | 5.7 | 6.3 | 6.7 | 7.3 | 6.7 | 7.0 | 6.7 | 6.6 | |
| PROCLAMATION (LTP-FEC) | 6.3 | 6.3 | 6.3 | 5.7 | 6.0 | 7.3 | 6.3 | 6.0 | 7.0 | 7.0 | 6.5 | |
| ALPHA | 6.3 | 6.3 | 6.3 | 5.3 | 6.3 | 6.0 | 6.7 | 6.7 | 7.3 | 6.7 | 6.4 | |
| FOCUS (SRP-1GMC) | 5.7 | 6.0 | 5.7 | 6.0 | 6.3 | 6.3 | 6.7 | 6.7 | 6.3 | 6.7 | 6.4 | |
| SRP-1BLTR3 | 6.7 | 5.7 | 6.7 | 6.3 | 5.7 | 6.0 | 6.3 | 6.7 | 7.7 | 6.3 | 6.4 | |
| T-1 | 7.0 | 6.7 | 7.0 | 5.7 | 6.7 | 6.3 | 6.3 | 6.3 | 7.0 | 6.0 | 6.3 | |
| AUTHORITY | 6.0 | 5.7 | 6.0 | 5.0 | 6.7 | 6.0 | 6.3 | 7.0 | 6.7 | 5.3 | 6.1 | |
| L-93 | 6.7 | 6.3 | 6.7 | 6.0 | 6.0 | 6.0 | 5.7 | 6.3 | 6.7 | 6.0 | 6.1 | |
| PENN A-1 | 6.0 | 5.0 | 6.0 | 4.0 | 5.3 | 6.0 | 5.7 | 6.3 | 8.0 | 6.7 | 6.0 | |
| PENN A-2 | 6.3 | 5.3 | 6.3 | 4.3 | 6.7 | 6.0 | 6.0 | 6.0 | 7.0 | 6.3 | 6.0 | |
| PENNCROSS | 6.0 | 6.0 | 6.0 | 4.3 | 5.3 | 5.3 | 5.0 | 5.3 | 5.0 | 7.0 | 5.3 | |
| LSD VALUE | 1.4 | 1.4 | 1.4 | 1.6 | 2.2 | 2.1 | 2.0 | 1.6 | 2.9 | 2.7 | 0.9 | |
| C.V. (%) | 10.8 | 11.3 | 10.8 | 14.4 | 12.7 | 12.5 | 13.1 | 10.0 | 15.4 | 13.8 | 6.8 | |

TABLE 6C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
2011 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | FALL | QUALITY RATINGS | | | | | | | | MEAN |
|-----------|------------------|-------------------|------------------|-----------------|------|------|------|------|------|------|------|------|
| | | | COLOR OCTOBER | APR | MAY | JUN | JUL | AUG | SEP | OCT | | |
| SR 7200 | 4.0 | 6.7 | 4.0 | 4.0 | 6.0 | 2.3 | 2.3 | 3.7 | 2.7 | 3.7 | 3.5 | |
| VILLA | 3.0 | 7.0 | 3.0 | 3.3 | 3.0 | 3.0 | 3.3 | 3.0 | 3.0 | 2.7 | 3.0 | |
| LSD VALUE | 1.4 | 1.4 | 1.4 | 1.6 | 2.2 | 2.1 | 2.0 | 1.6 | 2.9 | 2.7 | 0.9 | |
| C.V. (%) | 35.0 | 6.0 | 35.0 | 11.1 | 15.7 | 15.3 | 25.0 | 44.2 | 14.4 | 59.1 | 12.8 | |

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

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

TABLE 7A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT IN PINEHURST, NC 1/
2011 DATA

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

| NAME | TURFGRASS QUALITY RATINGS | | | | | | | | | | | | MEAN |
|----------------------------|---------------------------|------|------|------|-----|-----|------|------|------|------|------|-----|------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| BARRACUDA (MVS-AP-101) | 8.3 | 7.0 | 7.0 | 7.0 | 8.3 | 8.0 | 6.3 | 6.3 | 5.7 | 7.7 | 8.0 | 8.0 | 7.3 |
| PIN-UP (HTM) | 8.0 | 7.3 | 7.3 | 8.0 | 8.7 | 8.0 | 5.7 | 5.3 | 5.3 | 7.7 | 8.3 | 7.7 | 7.3 |
| PURE DISTINCTION (PST-OJ0) | 7.7 | 7.7 | 7.3 | 8.3 | 9.0 | 8.3 | 4.3 | 4.7 | 5.7 | 7.0 | 8.3 | 8.0 | 7.2 |
| SRP-1BLTR3 | 7.0 | 7.0 | 7.3 | 7.3 | 8.0 | 7.3 | 6.0 | 5.7 | 5.7 | 7.7 | 7.7 | 7.7 | 7.0 |
| T-1 | 7.7 | 7.0 | 7.7 | 7.7 | 8.3 | 7.3 | 5.0 | 4.7 | 4.7 | 8.0 | 7.7 | 7.0 | 6.9 |
| AUTHORITY | 7.3 | 7.0 | 6.7 | 7.0 | 8.7 | 8.0 | 5.3 | 4.7 | 5.0 | 7.3 | 8.0 | 7.0 | 6.8 |
| LUMINARY (A08-TDN2) | 6.7 | 6.0 | 6.0 | 7.0 | 8.3 | 7.0 | 5.7 | 5.7 | 5.3 | 7.3 | 7.3 | 7.7 | 6.7 |
| PROCLAMATION (LTP-FEC) | 7.3 | 6.7 | 6.3 | 7.0 | 8.0 | 7.3 | 5.7 | 5.0 | 5.0 | 7.3 | 7.7 | 7.0 | 6.7 |
| V8 | 5.7 | 6.3 | 7.0 | 7.7 | 9.0 | 8.3 | 4.3 | 5.3 | 5.3 | 6.3 | 7.0 | 7.0 | 6.6 |
| DECLARATION | 6.3 | 6.0 | 5.7 | 7.0 | 8.0 | 7.3 | 5.7 | 5.0 | 5.0 | 7.3 | 7.7 | 6.3 | 6.4 |
| AFM | 7.3 | 6.7 | 6.7 | 7.0 | 7.7 | 7.0 | 4.3 | 4.3 | 4.7 | 7.0 | 7.0 | 6.3 | 6.3 |
| PENN A-1 | 7.0 | 6.0 | 6.3 | 6.3 | 7.3 | 7.0 | 5.7 | 5.0 | 4.7 | 7.0 | 7.3 | 6.0 | 6.3 |
| L-93 | 6.7 | 6.7 | 6.7 | 6.7 | 7.7 | 6.0 | 4.7 | 4.3 | 4.3 | 6.0 | 6.7 | 6.3 | 6.1 |
| FOCUS (SRP-1GMC) | 6.0 | 6.0 | 5.7 | 6.0 | 7.3 | 6.3 | 4.7 | 5.0 | 5.3 | 6.7 | 6.7 | 6.3 | 6.0 |
| ALPHA | 5.3 | 5.3 | 5.7 | 7.0 | 8.5 | 7.0 | 5.0 | 4.5 | 4.0 | 6.5 | 7.0 | 6.5 | 5.5 |
| PENN A-2 | 6.3 | 6.0 | 6.0 | 6.0 | 7.3 | 6.7 | 4.3 | 4.0 | 3.3 | 5.0 | 6.0 | 5.3 | 5.5 |
| VILLA | 4.3 | 5.0 | 5.0 | 3.7 | 4.7 | 3.7 | 2.7 | 3.7 | 4.3 | 4.3 | 5.0 | 4.7 | 4.3 |
| PENNCROSS | 4.7 | 4.7 | 5.3 | 4.0 | 5.0 | 4.3 | 3.7 | 3.7 | 3.0 | 4.0 | 4.0 | 4.3 | 4.2 |
| SR 7200 | 4.7 | 4.7 | 5.7 | 4.7 | 5.0 | 3.3 | 2.7 | 3.3 | 3.3 | 4.3 | 4.7 | 4.3 | 4.2 |
| LSD VALUE | 2.3 | 2.6 | 2.9 | 1.3 | 0.9 | 0.9 | 1.3 | 1.5 | 1.7 | 1.2 | 1.3 | 1.0 | 0.9 |
| C.V. (%) | 18.3 | 18.3 | 17.7 | 12.7 | 7.6 | 8.4 | 16.2 | 16.5 | 18.5 | 11.8 | 11.4 | 9.4 | 9.6 |

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

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

TABLE 7A. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT IN PINEHURST, NC 1/
2011 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | LEAF TEXTURE | DENSITY SUMMER | DENSITY FALL | WINTER COLOR | FALL COLOR OCTOBER | FALL COLOR NOVEMBER |
|----------------------------|------------------|-------------------|-----------------|-------------------|-----------------|-----------------|--------------------------|---------------------------|
| BARRACUDA (MVS-AP-101) | 7.3 | 4.7 | 8.0 | 7.0 | 7.7 | 6.0 | 7.3 | 8.3 |
| PIN-UP (HTM) | 8.0 | 5.0 | 7.7 | 6.7 | 7.7 | 6.3 | 7.7 | 8.7 |
| PURE DISTINCTION (PST-OJO) | 6.3 | 5.3 | 8.0 | 7.0 | 7.7 | 6.3 | 7.0 | 7.7 |
| SRP-1BLTR3 | 7.3 | 5.0 | 7.0 | 6.7 | 7.7 | 8.0 | 7.3 | 8.0 |
| T-1 | 8.7 | 5.7 | 7.7 | 6.0 | 7.7 | 7.7 | 8.0 | 7.3 |
| AUTHORITY | 7.3 | 4.7 | 8.0 | 6.7 | 7.7 | 7.0 | 7.3 | 7.3 |
| LUMINARY (A08-TDN2) | 7.7 | 4.0 | 7.3 | 6.3 | 7.3 | 7.3 | 8.0 | 7.3 |
| PROCLAMATION (LTP-FEC) | 7.7 | 4.3 | 8.0 | 6.0 | 7.0 | 7.3 | 8.0 | 7.7 |
| V8 | 7.3 | 5.3 | 7.7 | 6.7 | 7.7 | 6.3 | 7.0 | 7.7 |
| DECLARATION | 7.7 | 4.7 | 7.3 | 6.3 | 7.0 | 6.0 | 7.3 | 8.0 |
| AFM | 7.7 | 4.3 | 7.0 | 6.0 | 7.0 | 6.0 | 7.0 | 7.3 |
| PENN A-1 | 7.0 | 4.0 | 7.3 | 6.0 | 6.7 | 6.7 | 7.7 | 7.0 |
| L-93 | 8.0 | 4.7 | 5.3 | 6.3 | 6.3 | 7.7 | 6.7 | 7.0 |
| FOCUS (SRP-1GMC) | 7.7 | 4.3 | 6.7 | 6.0 | 7.0 | 7.3 | 7.0 | 6.7 |
| ALPHA | 7.3 | 4.7 | 6.5 | 5.7 | 6.0 | 7.5 | 8.0 | 7.0 |
| PENN A-2 | 7.3 | 4.0 | 5.7 | 4.7 | 6.3 | 6.0 | 7.3 | 7.0 |
| VILLA | 4.0 | 6.0 | 8.7 | 6.0 | 8.3 | 4.3 | 4.0 | 5.7 |
| PENNCROSS | 7.7 | 3.7 | 4.0 | 4.3 | 4.3 | 4.3 | 5.3 | 5.0 |
| SR 7200 | 4.3 | 6.7 | 9.0 | 6.7 | 8.0 | 4.3 | 4.0 | 6.0 |
| LSD VALUE | 1.0 | 1.5 | 0.7 | 2.6 | 1.0 | 1.5 | 0.9 | 1.4 |
| C.V. (%) | 8.7 | 16.2 | 6.0 | 16.6 | 8.8 | 13.9 | 8.3 | 10.7 |

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

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

TABLE 7B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT IN PINEHURST, NC 1/
2011 DATA

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

| NAME | TURFGRASS QUALITY RATINGS | | | | | | | | | | | | MEAN |
|----------------------------|---------------------------|------|------|------|-----|-----|------|------|------|------|------|-----|------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| BARRACUDA (MVS-AP-101) | 8.3 | 7.0 | 7.0 | 7.0 | 8.3 | 8.0 | 6.3 | 6.3 | 5.7 | 7.7 | 8.0 | 8.0 | 7.3 |
| PIN-UP (HTM) | 8.0 | 7.3 | 7.3 | 8.0 | 8.7 | 8.0 | 5.7 | 5.3 | 5.3 | 7.7 | 8.3 | 7.7 | 7.3 |
| PURE DISTINCTION (PST-OJO) | 7.7 | 7.7 | 7.3 | 8.3 | 9.0 | 8.3 | 4.3 | 4.7 | 5.7 | 7.0 | 8.3 | 8.0 | 7.2 |
| SRP-1BLTR3 | 7.0 | 7.0 | 7.3 | 7.3 | 8.0 | 7.3 | 6.0 | 5.7 | 5.7 | 7.7 | 7.7 | 7.7 | 7.0 |
| T-1 | 7.7 | 7.0 | 7.7 | 7.7 | 8.3 | 7.3 | 5.0 | 4.7 | 4.7 | 8.0 | 7.7 | 7.0 | 6.9 |
| AUTHORITY | 7.3 | 7.0 | 6.7 | 7.0 | 8.7 | 8.0 | 5.3 | 4.7 | 5.0 | 7.3 | 8.0 | 7.0 | 6.8 |
| LUMINARY (A08-TDN2) | 6.7 | 6.0 | 6.0 | 7.0 | 8.3 | 7.0 | 5.7 | 5.7 | 5.3 | 7.3 | 7.3 | 7.7 | 6.7 |
| PROCLAMATION (LTP-FEC) | 7.3 | 6.7 | 6.3 | 7.0 | 8.0 | 7.3 | 5.7 | 5.0 | 5.0 | 7.3 | 7.7 | 7.0 | 6.7 |
| V8 | 5.7 | 6.3 | 7.0 | 7.7 | 9.0 | 8.3 | 4.3 | 5.3 | 5.3 | 6.3 | 7.0 | 7.0 | 6.6 |
| DECLARATION | 6.3 | 6.0 | 5.7 | 7.0 | 8.0 | 7.3 | 5.7 | 5.0 | 5.0 | 7.3 | 7.7 | 6.3 | 6.4 |
| AFM | 7.3 | 6.7 | 6.7 | 7.0 | 7.7 | 7.0 | 4.3 | 4.3 | 4.7 | 7.0 | 7.0 | 6.3 | 6.3 |
| PENN A-1 | 7.0 | 6.0 | 6.3 | 6.3 | 7.3 | 7.0 | 5.7 | 5.0 | 4.7 | 7.0 | 7.3 | 6.0 | 6.3 |
| L-93 | 6.7 | 6.7 | 6.7 | 6.7 | 7.7 | 6.0 | 4.7 | 4.3 | 4.3 | 6.0 | 6.7 | 6.3 | 6.1 |
| FOCUS (SRP-1GMC) | 6.0 | 6.0 | 5.7 | 6.0 | 7.3 | 6.3 | 4.7 | 5.0 | 5.3 | 6.7 | 6.7 | 6.3 | 6.0 |
| ALPHA | 5.3 | 5.3 | 5.7 | 7.0 | 8.5 | 7.0 | 5.0 | 4.5 | 4.0 | 6.5 | 7.0 | 6.5 | 5.5 |
| PENN A-2 | 6.3 | 6.0 | 6.0 | 6.0 | 7.3 | 6.7 | 4.3 | 4.0 | 3.3 | 5.0 | 6.0 | 5.3 | 5.5 |
| PENNCROSS | 4.7 | 4.7 | 5.3 | 4.0 | 5.0 | 4.3 | 3.7 | 3.7 | 3.0 | 4.0 | 4.0 | 4.3 | 4.2 |
| LSD VALUE | 2.6 | 2.9 | 3.1 | 1.5 | 0.8 | 0.9 | 1.6 | 1.8 | 1.8 | 1.4 | 1.4 | 1.0 | 1.0 |
| C.V. (%) | 17.7 | 17.6 | 17.7 | 12.2 | 6.5 | 7.9 | 15.5 | 16.6 | 18.0 | 11.6 | 11.1 | 9.3 | 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.

TABLE 7B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT IN PINEHURST, NC 1/
2011 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | LEAF TEXTURE | DENSITY SUMMER | DENSITY FALL | WINTER COLOR | FALL COLOR OCTOBER | FALL COLOR NOVEMBER |
|----------------------------|------------------|-------------------|-----------------|-------------------|-----------------|-----------------|--------------------------|---------------------------|
| BARRACUDA (MVS-AP-101) | 7.3 | 4.7 | 8.0 | 7.0 | 7.7 | 6.0 | 7.3 | 8.3 |
| PIN-UP (HTM) | 8.0 | 5.0 | 7.7 | 6.7 | 7.7 | 6.3 | 7.7 | 8.7 |
| PURE DISTINCTION (PST-OJO) | 6.3 | 5.3 | 8.0 | 7.0 | 7.7 | 6.3 | 7.0 | 7.7 |
| SRP-1BLTR3 | 7.3 | 5.0 | 7.0 | 6.7 | 7.7 | 8.0 | 7.3 | 8.0 |
| T-1 | 8.7 | 5.7 | 7.7 | 6.0 | 7.7 | 7.7 | 8.0 | 7.3 |
| AUTHORITY | 7.3 | 4.7 | 8.0 | 6.7 | 7.7 | 7.0 | 7.3 | 7.3 |
| LUMINARY (A08-TDN2) | 7.7 | 4.0 | 7.3 | 6.3 | 7.3 | 7.3 | 8.0 | 7.3 |
| PROCLAMATION (LTP-FEC) | 7.7 | 4.3 | 8.0 | 6.0 | 7.0 | 7.3 | 8.0 | 7.7 |
| V8 | 7.3 | 5.3 | 7.7 | 6.7 | 7.7 | 6.3 | 7.0 | 7.7 |
| DECLARATION | 7.7 | 4.7 | 7.3 | 6.3 | 7.0 | 6.0 | 7.3 | 8.0 |
| AFM | 7.7 | 4.3 | 7.0 | 6.0 | 7.0 | 6.0 | 7.0 | 7.3 |
| PENN A-1 | 7.0 | 4.0 | 7.3 | 6.0 | 6.7 | 6.7 | 7.7 | 7.0 |
| L-93 | 8.0 | 4.7 | 5.3 | 6.3 | 6.3 | 7.7 | 6.7 | 7.0 |
| FOCUS (SRP-1GMC) | 7.7 | 4.3 | 6.7 | 6.0 | 7.0 | 7.3 | 7.0 | 6.7 |
| ALPHA | 7.3 | 4.7 | 6.5 | 5.7 | 6.0 | 7.5 | 8.0 | 7.0 |
| PENN A-2 | 7.3 | 4.0 | 5.7 | 4.7 | 6.3 | 6.0 | 7.3 | 7.0 |
| PENNCROSS | 7.7 | 3.7 | 4.0 | 4.3 | 4.3 | 4.3 | 5.3 | 5.0 |
| LSD VALUE | 1.5 | 2.1 | 0.7 | 2.2 | 1.1 | 1.8 | 1.0 | 1.4 |
| C.V. (%) | 8.6 | 17.7 | 6.3 | 15.5 | 9.3 | 13.8 | 7.8 | 10.4 |

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 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT IN PINEHURST, NC 1/
2011 DATA

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

| NAME | TURFGRASS QUALITY RATINGS | | | | | | | | | | | | MEAN |
|-----------|---------------------------|------|-----|-----|-----|------|-----|------|------|------|------|-----|------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| VILLA | 4.3 | 5.0 | 5.0 | 3.7 | 4.7 | 3.7 | 2.7 | 3.7 | 4.3 | 4.3 | 5.0 | 4.7 | 4.3 |
| SR 7200 | 4.7 | 4.7 | 5.7 | 4.7 | 5.0 | 3.3 | 2.7 | 3.3 | 3.3 | 4.3 | 4.7 | 4.3 | 4.2 |
| LSD VALUE | 2.6 | 2.9 | 3.1 | 1.5 | 0.8 | 0.9 | 1.6 | 1.8 | 1.8 | 1.4 | 1.4 | 1.0 | 1.0 |
| C.V. (%) | 9.1 | 22.3 | 7.7 | 0.0 | 8.4 | 23.3 | 0.0 | 11.7 | 18.4 | 16.3 | 16.9 | 9.1 | 3.5 |

TABLE 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
(CONT'D) GROWN ON A GREEN AT PINEHURST RESORT IN PINEHURST, NC 1/
2011 DATA

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

| NAME | GENETIC COLOR | SPRING GREENUP | LEAF TEXTURE | DENSITY SUMMER | DENSITY FALL | WINTER COLOR | FALL COLOR OCTOBER | FALL COLOR NOVEMBER |
|-----------|------------------|-------------------|-----------------|-------------------|-----------------|-----------------|--------------------------|---------------------------|
| VILLA | 4.0 | 6.0 | 8.7 | 6.0 | 8.3 | 4.3 | 4.0 | 5.7 |
| SR 7200 | 4.3 | 6.7 | 9.0 | 6.7 | 8.0 | 4.3 | 4.0 | 6.0 |
| LSD VALUE | 1.5 | 2.1 | 0.7 | 2.2 | 1.1 | 1.8 | 1.0 | 1.4 |
| C.V. (%) | 9.8 | 6.4 | 4.6 | 23.2 | 5.0 | 0.0 | 17.7 | 14.0 |

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

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

TABLE 8A. GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | AR1 | IN1 | NJ1 | PA1 | UT1 | WA3 | MEAN |
|------------------------|-----|-----|------|------|------|-----|------|
| T-1 | 8.7 | 9.0 | 8.3 | 8.7 | 7.7 | 8.3 | 8.4 |
| ALPHA | 7.7 | 8.3 | 7.3 | 6.3 | 6.7 | 8.0 | 7.4 |
| PIN-UP (HTM) | 7.0 | 7.7 | 7.3 | 6.7 | 6.7 | 7.0 | 7.1 |
| PENN A-1 | 7.0 | 7.7 | 6.3 | 6.0 | 6.0 | 7.7 | 6.8 |
| L-93 | 8.0 | 8.0 | 5.3 | 5.0 | 6.3 | 7.7 | 6.7 |
| PENN A-2 | 7.3 | 7.3 | 6.7 | 6.0 | 5.3 | 7.7 | 6.7 |
| PENNCROSS | 8.0 | 8.0 | 5.0 | 6.3 | 4.3 | 8.7 | 6.7 |
| A08-TDN2 | 7.0 | 8.0 | 6.7 | 6.0 | 6.3 | 6.0 | 6.7 |
| FOCUS (SRP-1GMC) | 6.7 | 8.0 | 6.3 | 5.3 | 6.0 | 7.3 | 6.6 |
| V8 | 6.7 | 7.7 | 6.3 | 5.3 | 6.7 | 7.0 | 6.6 |
| AUTHORITY | 6.3 | 7.7 | 5.3 | 5.7 | 6.0 | 6.7 | 6.3 |
| PROCLAMATION (LTP-FEC) | 6.7 | 7.7 | 6.3 | 5.0 | 5.0 | 6.7 | 6.2 |
| BARRACUDA (MVS-AP-101) | 6.3 | 7.3 | 6.3 | 4.3 | 5.7 | 6.3 | 6.1 |
| SRP-1BLTR3 | 6.3 | 7.0 | 6.7 | 4.0 | 5.0 | 7.3 | 6.1 |
| SR 7200 | 7.0 | 6.0 | 3.0 | 4.7 | 6.3 | 7.0 | 5.7 |
| DECLARATION | 6.7 | 7.3 | 5.3 | 4.3 | 4.0 | 6.0 | 5.6 |
| AFM | 7.0 | 6.7 | 4.7 | 3.7 | 4.7 | 6.7 | 5.6 |
| VILLA | 6.0 | 5.3 | 4.7 | 4.0 | 5.0 | 7.0 | 5.3 |
| PST-OJO | 6.0 | 5.7 | 5.0 | 3.0 | 4.0 | 6.0 | 4.9 |
| LSD VALUE | 1.0 | 1.0 | 1.7 | 1.1 | 2.0 | 0.8 | 0.6 |
| C.V. (%) | 8.9 | 8.8 | 18.2 | 13.5 | 21.7 | 7.0 | 13.2 |

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

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

TABLE 8B. GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

| NAME | GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/ | | | | | | MEAN |
|----------------------------|--|-----|------|------|------|-----|------|
| | AR1 | IN1 | NJ1 | PA1 | UT1 | WA3 | |
| T-1 | 8.7 | 9.0 | 8.3 | 8.7 | 7.7 | 8.3 | 8.4 |
| ALPHA | 7.7 | 8.3 | 7.3 | 6.3 | 6.7 | 8.0 | 7.4 |
| PIN-UP (HTM) | 7.0 | 7.7 | 7.3 | 6.7 | 6.7 | 7.0 | 7.1 |
| PENN A-1 | 7.0 | 7.7 | 6.3 | 6.0 | 6.0 | 7.7 | 6.8 |
| L-93 | 8.0 | 8.0 | 5.3 | 5.0 | 6.3 | 7.7 | 6.7 |
| PENN A-2 | 7.3 | 7.3 | 6.7 | 6.0 | 5.3 | 7.7 | 6.7 |
| PENNCROSS | 8.0 | 8.0 | 5.0 | 6.3 | 4.3 | 8.7 | 6.7 |
| LUMINARY (A08-TDN2) | 7.0 | 8.0 | 6.7 | 6.0 | 6.3 | 6.0 | 6.7 |
| FOCUS (SRP-1GMC) | 6.7 | 8.0 | 6.3 | 5.3 | 6.0 | 7.3 | 6.6 |
| V8 | 6.7 | 7.7 | 6.3 | 5.3 | 6.7 | 7.0 | 6.6 |
| AUTHORITY | 6.3 | 7.7 | 5.3 | 5.7 | 6.0 | 6.7 | 6.3 |
| PROCLAMATION (LTP-FEC) | 6.7 | 7.7 | 6.3 | 5.0 | 5.0 | 6.7 | 6.2 |
| BARRACUDA (MVS-AP-101) | 6.3 | 7.3 | 6.3 | 4.3 | 5.7 | 6.3 | 6.1 |
| SRP-1BLTR3 | 6.3 | 7.0 | 6.7 | 4.0 | 5.0 | 7.3 | 6.1 |
| DECLARATION | 6.7 | 7.3 | 5.3 | 4.3 | 4.0 | 6.0 | 5.6 |
| AFM | 7.0 | 6.7 | 4.7 | 3.7 | 4.7 | 6.7 | 5.6 |
| PURE DISTINCTION (PST-OJO) | 6.0 | 5.7 | 5.0 | 3.0 | 4.0 | 6.0 | 4.9 |
| LSD VALUE | 1.0 | 0.8 | 1.7 | 1.2 | 1.9 | 0.8 | 0.5 |
| C.V. (%) | 8.7 | 6.9 | 17.1 | 13.7 | 21.1 | 7.4 | 12.6 |

TABLE 8C. GENETIC COLOR RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

| NAME | GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/ | | | | | | MEAN |
|-----------|--|------|------|-----|------|-----|------|
| | AR1 | IN1 | NJ1 | PA1 | UT1 | WA3 | |
| SR 7200 | 7.0 | 6.0 | 3.0 | 4.7 | 6.3 | 7 | 5.7 |
| VILLA | 6.0 | 5.3 | 4.7 | 4.0 | 5.0 | 7 | 5.3 |
| LSD VALUE | 1.1 | 2.1 | 2.1 | 0.7 | 2.4 | 0 | 0.7 |
| C.V. (%) | 10.9 | 22.8 | 33.7 | 9.4 | 26.0 | 0 | 18.4 |

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

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

TABLE 9A. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | NJ1 | RI1 | UT1 | MEAN |
|----------------------------|------|------|------|------|
| LUMINARY (A08-TDN2) | 7.7 | 6.7 | 5.0 | 6.4 |
| BARRACUDA (MVS-AP-101) | 7.3 | 5.7 | 5.7 | 6.2 |
| DECLARATION | 7.7 | 5.0 | 6.0 | 6.2 |
| PIN-UP (HTM) | 6.0 | 5.7 | 5.0 | 5.6 |
| AFM | 5.3 | 5.3 | 5.0 | 5.2 |
| V8 | 4.3 | 6.3 | 4.7 | 5.1 |
| PROCLAMATION (LTP-FEC) | 4.7 | 4.0 | 6.0 | 4.9 |
| FOCUS (SRP-1GMC) | 5.7 | 3.7 | 4.3 | 4.6 |
| T-1 | 3.7 | 4.3 | 5.7 | 4.6 |
| PURE DISTINCTION (PST-OJO) | 6.0 | 6.0 | 1.7 | 4.6 |
| ALPHA | 3.0 | 5.0 | 5.3 | 4.4 |
| VILLA | 3.7 | 2.0 | 7.3 | 4.3 |
| AUTHORITY | 4.3 | 5.3 | 3.0 | 4.2 |
| SR 7200 | 2.7 | 2.3 | 7.3 | 4.1 |
| PENNCROSS | 2.3 | 5.3 | 4.3 | 4.0 |
| SRP-1BLTR3 | 5.3 | 4.7 | 2.0 | 4.0 |
| PENN A-2 | 3.0 | 4.7 | 3.7 | 3.8 |
| L-93 | 2.7 | 4.0 | 4.7 | 3.8 |
| PENN A-1 | 3.7 | 3.7 | 2.3 | 3.2 |
| LSD VALUE | 1.7 | 1.7 | 2.1 | 1.1 |
| C.V. (%) | 21.9 | 23.0 | 27.7 | 24.3 |

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

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

TABLE 9B. SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | NJ1 | RI1 | UT1 | MEAN |
|----------------------------|------|------|------|------|
| LUMINARY (A08-TDN2) | 7.7 | 6.7 | 5.0 | 6.4 |
| BARRACUDA (MVS-AP-101) | 7.3 | 5.7 | 5.7 | 6.2 |
| DECLARATION | 7.7 | 5.0 | 6.0 | 6.2 |
| PIN-UP (HTM) | 6.0 | 5.7 | 5.0 | 5.6 |
| AFM | 5.3 | 5.3 | 5.0 | 5.2 |
| V8 | 4.3 | 6.3 | 4.7 | 5.1 |
| PROCLAMATION (LTP-FEC) | 4.7 | 4.0 | 6.0 | 4.9 |
| FOCUS (SRP-1GMC) | 5.7 | 3.7 | 4.3 | 4.6 |
| T-1 | 3.7 | 4.3 | 5.7 | 4.6 |
| PURE DISTINCTION (PST-OJO) | 6.0 | 6.0 | 1.7 | 4.6 |
| ALPHA | 3.0 | 5.0 | 5.3 | 4.4 |
| AUTHORITY | 4.3 | 5.3 | 3.0 | 4.2 |
| PENNCROSS | 2.3 | 5.3 | 4.3 | 4.0 |
| SRP-1BLTR3 | 5.3 | 4.7 | 2.0 | 4.0 |
| PENN A-2 | 3.0 | 4.7 | 3.7 | 3.8 |
| L-93 | 2.7 | 4.0 | 4.7 | 3.8 |
| PENN A-1 | 3.7 | 3.7 | 2.3 | 3.2 |
| LSD VALUE | 1.6 | 1.8 | 2.2 | 1.1 |
| C.V. (%) | 20.8 | 22.1 | 31.0 | 24.6 |

TABLE 9C. SPRING GREENUP RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | NJ1 | RI1 | UT1 | MEAN |
|-----------|------|------|-----|------|
| VILLA | 3.7 | 2.0 | 7.3 | 4.3 |
| SR 7200 | 2.7 | 2.3 | 7.3 | 4.1 |
| LSD VALUE | 1.9 | 1.3 | 0.9 | 0.8 |
| C.V. (%) | 36.5 | 37.7 | 7.9 | 20.9 |

TABLE 10A. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | AR1 | NJ1 | MEAN |
|----------------------------|-----|------|------|
| PURE DISTINCTION (PST-OJO) | 9.0 | 8.0 | 8.5 |
| LUMINARY (A08-TDN2) | 8.3 | 8.3 | 8.3 |
| VILLA | 7.7 | 8.7 | 8.2 |
| V8 | 8.7 | 6.7 | 7.7 |
| BARRACUDA (MVS-AP-101) | 8.0 | 7.0 | 7.5 |
| PROCLAMATION (LTP-FEC) | 8.0 | 7.0 | 7.5 |
| PIN-UP (HTM) | 8.3 | 6.3 | 7.3 |
| SRP-1BLTR3 | 8.0 | 6.7 | 7.3 |
| DECLARATION | 8.3 | 6.0 | 7.2 |
| FOCUS (SRP-1GMC) | 8.0 | 6.3 | 7.2 |
| AFM | 7.7 | 6.3 | 7.0 |
| T-1 | 8.0 | 6.0 | 7.0 |
| SR 7200 | 7.3 | 6.0 | 6.7 |
| AUTHORITY | 8.0 | 5.0 | 6.5 |
| PENN A-2 | 7.7 | 4.7 | 6.2 |
| PENN A-1 | 8.0 | 4.3 | 6.2 |
| ALPHA | 8.0 | 4.0 | 6.0 |
| L-93 | 7.7 | 3.7 | 5.7 |
| PENNCROSS | 6.0 | 2.0 | 4.0 |
| LSD VALUE | 0.8 | 1.5 | 0.9 |
| C.V. (%) | 6.5 | 15.6 | 10.8 |

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

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

TABLE 10B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | AR1 | NJ1 | MEAN |
|----------------------------|-----|------|------|
| PURE DISTINCTION (PST-OJO) | 9.0 | 8.0 | 8.5 |
| LUMINARY (A08-TDN2) | 8.3 | 8.3 | 8.3 |
| V8 | 8.7 | 6.7 | 7.7 |
| BARRACUDA (MVS-AP-101) | 8.0 | 7.0 | 7.5 |
| PROCLAMATION (LTP-FEC) | 8.0 | 7.0 | 7.5 |
| PIN-UP (HTM) | 8.3 | 6.3 | 7.3 |
| SRP-1BLTR3 | 8.0 | 6.7 | 7.3 |
| DECLARATION | 8.3 | 6.0 | 7.2 |
| FOCUS (SRP-1GMC) | 8.0 | 6.3 | 7.2 |
| AFM | 7.7 | 6.3 | 7.0 |
| T-1 | 8.0 | 6.0 | 7.0 |
| AUTHORITY | 8.0 | 5.0 | 6.5 |
| PENN A-2 | 7.7 | 4.7 | 6.2 |
| PENN A-1 | 8.0 | 4.3 | 6.2 |
| ALPHA | 8.0 | 4.0 | 6.0 |
| L-93 | 7.7 | 3.7 | 5.7 |
| PENNCROSS | 6.0 | 2.0 | 4.0 |
| LSD VALUE | 0.8 | 1.6 | 0.9 |
| C.V. (%) | 6.3 | 16.8 | 11.2 |

TABLE 10C. LEAF TEXTURE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | AR1 | NJ1 | MEAN |
|-----------|-----|-----|------|
| VILLA | 7.7 | 8.7 | 8.2 |
| SR 7200 | 7.3 | 6.0 | 6.7 |
| LSD VALUE | 0.9 | 0.7 | 0.6 |
| C.V. (%) | 7.7 | 5.6 | 6.7 |

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

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

TABLE 11A. SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2011 DATA

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

| NAME | RI1 |
|----------------------------|------|
| VILLA | 7.3 |
| DECLARATION | 7.0 |
| PURE DISTINCTION (PST-OJO) | 6.7 |
| LUMINARY (A08-TDN2) | 6.3 |
| PENN A-1 | 6.3 |
| SR 7200 | 6.3 |
| AUTHORITY | 6.0 |
| FOCUS (SRP-1GMC) | 6.0 |
| PIN-UP (HTM) | 6.0 |
| PROCLAMATION (LTP-FEC) | 6.0 |
| ALPHA | 5.7 |
| SRP-1BLTR3 | 5.7 |
| AFM | 5.3 |
| BARRACUDA (MVS-AP-101) | 5.3 |
| V8 | 5.3 |
| L-93 | 4.7 |
| T-1 | 4.7 |
| PENN A-2 | 4.3 |
| PENNCROSS | 4.0 |
| LSD VALUE | 1.7 |
| C.V. (%) | 18.5 |

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

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

TABLE 11B. SUMMER DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | RI1 |
|----------------------------|------|
| DECLARATION | 7.0 |
| PURE DISTINCTION (PST-0JO) | 6.7 |
| LUMINARY (A08-TDN2) | 6.3 |
| PENN A-1 | 6.3 |
| AUTHORITY | 6.0 |
| FOCUS (SRP-1GMC) | 6.0 |
| PIN-UP (HTM) | 6.0 |
| PROCLAMATION (LTP-FEC) | 6.0 |
| ALPHA | 5.7 |
| SRP-1BLTR3 | 5.7 |
| AFM | 5.3 |
| BARRACUDA (MVS-AP-101) | 5.3 |
| V8 | 5.3 |
| L-93 | 4.7 |
| T-1 | 4.7 |
| PENN A-2 | 4.3 |
| PENNCROSS | 4.0 |
| LSD VALUE | 1.6 |
| C.V. (%) | 18.2 |

TABLE 11C. SUMMER DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | RI1 |
|-----------|------|
| VILLA | 7.3 |
| SR 7200 | 6.3 |
| LSD VALUE | 2.2 |
| C.V. (%) | 19.8 |

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

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

TABLE 12A. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | NJ1 |
|----------------------------|------|
| PURE DISTINCTION (PST-OJ0) | 9.0 |
| LUMINARY (A08-TDN2) | 8.7 |
| VILLA | 8.0 |
| FOCUS (SRP-1GMC) | 7.7 |
| BARRACUDA (MVS-AP-101) | 7.3 |
| DECLARATION | 7.0 |
| PIN-UP (HTM) | 6.7 |
| PROCLAMATION (LTP-FEC) | 6.7 |
| SRP-1BLTR3 | 6.7 |
| V8 | 6.3 |
| AUTHORITY | 5.3 |
| T-1 | 5.0 |
| AFM | 4.7 |
| ALPHA | 4.7 |
| PENN A-2 | 4.7 |
| PENN A-1 | 4.3 |
| SR 7200 | 4.3 |
| L-93 | 2.7 |
| PENNCROSS | 1.0 |
| LSD VALUE | 1.8 |
| C.V. (%) | 19.2 |

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

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

TABLE 12B. FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | NJ1 |
|----------------------------|------|
| PURE DISTINCTION (PST-OJ0) | 9.0 |
| LUMINARY (A08-TDN2) | 8.7 |
| FOCUS (SRP-1GMC) | 7.7 |
| BARRACUDA (MVS-AP-101) | 7.3 |
| DECLARATION | 7.0 |
| PIN-UP (HTM) | 6.7 |
| PROCLAMATION (LTP-FEC) | 6.7 |
| SRP-1BLTR3 | 6.7 |
| V8 | 6.3 |
| AUTHORITY | 5.3 |
| T-1 | 5.0 |
| AFM | 4.7 |
| ALPHA | 4.7 |
| PENN A-2 | 4.7 |
| PENN A-1 | 4.3 |
| L-93 | 2.7 |
| PENNCROSS | 1.0 |
| LSD VALUE | 1.8 |
| C.V. (%) | 19.4 |

TABLE 12C. FALL DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | NJ1 |
|-----------|------|
| VILLA | 8.0 |
| SR 7200 | 4.3 |
| LSD VALUE | 1.7 |
| C.V. (%) | 17.5 |

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

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

TABLE 13A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME | RI1 |
|----------------------------|------|
| DECLARATION | 99.0 |
| L-93 | 99.0 |
| PENN A-1 | 99.0 |
| PENN A-2 | 99.0 |
| PIN-UP (HTM) | 99.0 |
| PURE DISTINCTION (PST-OJO) | 99.0 |
| AUTHORITY | 97.7 |
| FOCUS (SRP-1GMC) | 96.0 |
| PENNCROSS | 96.0 |
| PROCLAMATION (LTP-FEC) | 96.0 |
| SRP-1BLTR3 | 96.0 |
| SR 7200 | 94.7 |
| VILLA | 94.5 |
| AFM | 94.3 |
| V8 | 90.0 |
| ALPHA | 84.3 |
| T-1 | 81.3 |
| BARRACUDA (MVS-AP-101) | 79.5 |
| LUMINARY (A08-TDN2) | 78.0 |
| LSD VALUE | 16.9 |
| C.V. (%) | 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 13B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME | RI1 |
|----------------------------|------|
| DECLARATION | 99.0 |
| L-93 | 99.0 |
| PENN A-1 | 99.0 |
| PENN A-2 | 99.0 |
| PIN-UP (HTM) | 99.0 |
| PURE DISTINCTION (PST-OJO) | 99.0 |
| AUTHORITY | 97.7 |
| FOCUS (SRP-1GMC) | 96.0 |
| PENNCROSS | 96.0 |
| PROCLAMATION (LTP-FEC) | 96.0 |
| SRP-1BLTR3 | 96.0 |
| AFM | 94.3 |
| V8 | 90.0 |
| ALPHA | 84.3 |
| T-1 | 81.3 |
| BARRACUDA (MVS-AP-101) | 79.5 |
| LUMINARY (A08-TDN2) | 78.0 |
| LSD VALUE | 17.3 |
| C.V. (%) | 11.4 |

TABLE 13C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME | RI1 |
|-----------|------|
| SR 7200 | 94.7 |
| VILLA | 94.5 |
| LSD VALUE | 9.4 |
| C.V. (%) | 5.5 |

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 14A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME | RI1 |
|----------------------------|------|
| AUTHORITY | 99.0 |
| DECLARATION | 99.0 |
| FOCUS (SRP-1GMC) | 99.0 |
| L-93 | 99.0 |
| PENN A-1 | 99.0 |
| PENN A-2 | 99.0 |
| PENNCROSS | 99.0 |
| PIN-UP (HTM) | 99.0 |
| PROCLAMATION (LTP-FEC) | 99.0 |
| PURE DISTINCTION (PST-OJO) | 99.0 |
| SRP-1BLTR3 | 99.0 |
| VILLA | 99.0 |
| SR 7200 | 98.3 |
| AFM | 97.7 |
| ALPHA | 93.7 |
| V8 | 89.7 |
| T-1 | 86.0 |
| LUMINARY (A08-TDN2) | 81.3 |
| BARRACUDA (MVS-AP-101) | 79.5 |
| LSD VALUE | 15.1 |
| C.V. (%) | 9.6 |

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

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

TABLE 14B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME | RI1 |
|----------------------------|------|
| AUTHORITY | 99.0 |
| DECLARATION | 99.0 |
| FOCUS (SRP-1GMC) | 99.0 |
| L-93 | 99.0 |
| PENN A-1 | 99.0 |
| PENN A-2 | 99.0 |
| PENNCROSS | 99.0 |
| PIN-UP (HTM) | 99.0 |
| PROCLAMATION (LTP-FEC) | 99.0 |
| PURE DISTINCTION (PST-OJO) | 99.0 |
| SRP-1BLTR3 | 99.0 |
| AFM | 97.7 |
| ALPHA | 93.7 |
| V8 | 89.7 |
| T-1 | 86.0 |
| LUMINARY (A08-TDN2) | 81.3 |
| BARRACUDA (MVS-AP-101) | 79.5 |
| LSD VALUE | 15.6 |
| C.V. (%) | 10.0 |

TABLE 14C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME | RI1 |
|-----------|------|
| VILLA | 99.0 |
| SR 7200 | 98.3 |
| LSD VALUE | 1.7 |
| C.V. (%) | 1.0 |

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

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

TABLE 15A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME | RI1 |
|----------------------------|------|
| FOCUS (SRP-1GMC) | 99.0 |
| PURE DISTINCTION (PST-0JO) | 97.7 |
| VILLA | 97.7 |
| DECLARATION | 97.0 |
| PIN-UP (HTM) | 96.3 |
| V8 | 96.0 |
| PENN A-1 | 93.0 |
| SR 7200 | 93.0 |
| BARRACUDA (MVS-AP-101) | 92.0 |
| AFM | 90.0 |
| PENN A-2 | 90.0 |
| AUTHORITY | 89.0 |
| LUMINARY (A08-TDN2) | 88.0 |
| PROCLAMATION (LTP-FEC) | 87.3 |
| L-93 | 86.7 |
| SRP-1BLTR3 | 84.7 |
| ALPHA | 80.0 |
| T-1 | 68.3 |
| PENNCROSS | 66.7 |
| LSD VALUE | 14.2 |
| C.V. (%) | 9.8 |

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

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

TABLE 15B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME | RI1 |
|----------------------------|------|
| FOCUS (SRP-1GMC) | 99.0 |
| PURE DISTINCTION (PST-0JO) | 97.7 |
| DECLARATION | 97.0 |
| PIN-UP (HTM) | 96.3 |
| V8 | 96.0 |
| PENN A-1 | 93.0 |
| BARRACUDA (MVS-AP-101) | 92.0 |
| AFM | 90.0 |
| PENN A-2 | 90.0 |
| AUTHORITY | 89.0 |
| LUMINARY (A08-TDN2) | 88.0 |
| PROCLAMATION (LTP-FEC) | 87.3 |
| L-93 | 86.7 |
| SRP-1BLTR3 | 84.7 |
| ALPHA | 80.0 |
| T-1 | 68.3 |
| PENNCROSS | 66.7 |
| LSD VALUE | 14.9 |
| C.V. (%) | 10.3 |

TABLE 15C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME | RI1 |
|-----------|------|
| VILLA | 97.7 |
| SR 7200 | 93.0 |
| LSD VALUE | 6.1 |
| C.V. (%) | 3.9 |

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

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

TABLE 16A. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | KY1 | MN1 | NJ1 | WA3 | MEAN |
|----------------------------|------|------|------|------|------|
| VILLA | 3.0 | 5.7 | 8.7 | 4.3 | 5.4 |
| DECLARATION | 5.3 | 4.3 | 7.3 | 4.0 | 5.3 |
| LUMINARY (A08-TDN2) | 5.0 | 4.3 | 7.0 | 4.0 | 5.1 |
| PROCLAMATION (LTP-FEC) | 4.3 | 5.7 | 6.3 | 4.0 | 5.1 |
| SR 7200 | 3.0 | 5.7 | 7.0 | 4.3 | 5.0 |
| AFM | 4.7 | 5.7 | 5.7 | 3.7 | 4.9 |
| BARRACUDA (MVS-AP-101) | 4.7 | 4.0 | 7.0 | 4.0 | 4.9 |
| PIN-UP (HTM) | 5.7 | 3.7 | 6.0 | 4.0 | 4.8 |
| PURE DISTINCTION (PST-OJO) | 4.0 | 3.0 | 7.7 | 4.0 | 4.7 |
| AUTHORITY | 5.0 | 3.3 | 6.0 | 4.0 | 4.6 |
| ALPHA | 4.3 | 5.3 | 5.3 | 3.0 | 4.5 |
| SRP-1BLTR3 | 5.3 | 3.7 | 5.3 | 3.7 | 4.5 |
| V8 | 4.7 | 3.3 | 6.0 | 4.0 | 4.5 |
| L-93 | 4.7 | 4.0 | 5.0 | 3.7 | 4.3 |
| PENN A-1 | 4.7 | 3.7 | 5.3 | 3.7 | 4.3 |
| FOCUS (SRP-1GMC) | 4.3 | 3.3 | 6.0 | 3.7 | 4.3 |
| PENN A-2 | 5.0 | 5.0 | 3.7 | 3.3 | 4.3 |
| PENNCROSS | 4.0 | 5.0 | 4.0 | 3.3 | 4.1 |
| T-1 | 5.3 | 2.3 | 4.3 | 3.0 | 3.8 |
| LSD VALUE | 1.0 | 4.2 | 1.3 | 0.6 | 1.1 |
| C.V. (%) | 13.3 | 61.5 | 14.0 | 10.5 | 30.6 |

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

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

TABLE 16B. WINTER COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | KY1 | MN1 | NJ1 | WA3 | MEAN |
|----------------------------|------|------|------|------|------|
| DECLARATION | 5.3 | 4.3 | 7.3 | 4.0 | 5.3 |
| LUMINARY (A08-TDN2) | 5.0 | 4.3 | 7.0 | 4.0 | 5.1 |
| PROCLAMATION (LTP-FEC) | 4.3 | 5.7 | 6.3 | 4.0 | 5.1 |
| AFM | 4.7 | 5.7 | 5.7 | 3.7 | 4.9 |
| BARRACUDA (MVS-AP-101) | 4.7 | 4.0 | 7.0 | 4.0 | 4.9 |
| PIN-UP (HTM) | 5.7 | 3.7 | 6.0 | 4.0 | 4.8 |
| PURE DISTINCTION (PST-OJO) | 4.0 | 3.0 | 7.7 | 4.0 | 4.7 |
| AUTHORITY | 5.0 | 3.3 | 6.0 | 4.0 | 4.6 |
| ALPHA | 4.3 | 5.3 | 5.3 | 3.0 | 4.5 |
| SRP-1BLTR3 | 5.3 | 3.7 | 5.3 | 3.7 | 4.5 |
| V8 | 4.7 | 3.3 | 6.0 | 4.0 | 4.5 |
| L-93 | 4.7 | 4.0 | 5.0 | 3.7 | 4.3 |
| PENN A-1 | 4.7 | 3.7 | 5.3 | 3.7 | 4.3 |
| FOCUS (SRP-1GMC) | 4.3 | 3.3 | 6.0 | 3.7 | 4.3 |
| PENN A-2 | 5.0 | 5.0 | 3.7 | 3.3 | 4.3 |
| PENNCROSS | 4.0 | 5.0 | 4.0 | 3.3 | 4.1 |
| T-1 | 5.3 | 2.3 | 4.3 | 3.0 | 3.8 |
| LSD VALUE | 1.0 | 4.2 | 1.4 | 0.6 | 1.1 |
| C.V. (%) | 13.5 | 63.2 | 14.6 | 10.0 | 30.8 |

TABLE 16C. WINTER COLOR RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | KY1 | MN1 | NJ1 | WA3 | MEAN |
|-----------|-----|------|------|------|------|
| VILLA | 3 | 5.7 | 8.7 | 4.3 | 5.4 |
| SR 7200 | 3 | 5.7 | 7.0 | 4.3 | 5.0 |
| LSD VALUE | 0 | 4.6 | 1.3 | 0.9 | 1.2 |
| C.V. (%) | 0 | 50.9 | 10.4 | 13.3 | 29.3 |

TABLE 17A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | PA1 | WA3 | MEAN |
|----------------------------|-----|------|------|
| SR 7200 | 9.0 | 9.0 | 9.0 |
| FOCUS (SRP-1GMC) | 9.0 | 8.7 | 8.8 |
| BARRACUDA (MVS-AP-101) | 9.0 | 8.3 | 8.7 |
| DECLARATION | 9.0 | 8.3 | 8.7 |
| VILLA | 9.0 | 8.3 | 8.7 |
| AUTHORITY | 9.0 | 8.0 | 8.5 |
| PIN-UP (HTM) | 9.0 | 8.0 | 8.5 |
| V8 | 8.7 | 8.3 | 8.5 |
| LUMINARY (A08-TDN2) | 9.0 | 7.7 | 8.3 |
| ALPHA | 8.7 | 8.0 | 8.3 |
| L-93 | 9.0 | 7.3 | 8.2 |
| PROCLAMATION (LTP-FEC) | 9.0 | 7.3 | 8.2 |
| AFM | 9.0 | 7.0 | 8.0 |
| PENN A-1 | 8.7 | 7.0 | 7.8 |
| PENN A-2 | 8.7 | 6.7 | 7.7 |
| T-1 | 8.3 | 6.0 | 7.2 |
| PENNCROSS | 7.3 | 6.7 | 7.0 |
| PURE DISTINCTION (PST-OJO) | 7.3 | 4.7 | 6.0 |
| SRP-1BLTR3 | 7.0 | 5.0 | 6.0 |
| LSD VALUE | 1.2 | 1.7 | 1.0 |
| C.V. (%) | 9.0 | 14.1 | 11.5 |

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

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

TABLE 17B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | PA1 | WA3 | MEAN |
|----------------------------|-----|------|------|
| FOCUS (SRP-1GMC) | 9.0 | 8.7 | 8.8 |
| BARRACUDA (MVS-AP-101) | 9.0 | 8.3 | 8.7 |
| DECLARATION | 9.0 | 8.3 | 8.7 |
| AUTHORITY | 9.0 | 8.0 | 8.5 |
| PIN-UP (HTM) | 9.0 | 8.0 | 8.5 |
| V8 | 8.7 | 8.3 | 8.5 |
| LUMINARY (A08-TDN2) | 9.0 | 7.7 | 8.3 |
| ALPHA | 8.7 | 8.0 | 8.3 |
| L-93 | 9.0 | 7.3 | 8.2 |
| PROCLAMATION (LTP-FEC) | 9.0 | 7.3 | 8.2 |
| AFM | 9.0 | 7.0 | 8.0 |
| PENN A-1 | 8.7 | 7.0 | 7.8 |
| PENN A-2 | 8.7 | 6.7 | 7.7 |
| T-1 | 8.3 | 6.0 | 7.2 |
| PENNCROSS | 7.3 | 6.7 | 7.0 |
| PURE DISTINCTION (PST-OJO) | 7.3 | 4.7 | 6.0 |
| SRP-1BLTR3 | 7.0 | 5.0 | 6.0 |
| LSD VALUE | 1.3 | 1.8 | 1.1 |
| C.V. (%) | 9.5 | 15.1 | 12.2 |

TABLE 17C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | PA1 | WA3 | MEAN |
|-----------|-----|-----|------|
| SR 7200 | 9 | 9.0 | 9.0 |
| VILLA | 9 | 8.3 | 8.7 |
| LSD VALUE | 0 | 0.7 | 0.3 |
| C.V. (%) | 0 | 4.7 | 3.3 |

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

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

TABLE 18A. PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | IN1 |
|----------------------------|------|
| AFM | 9.0 |
| BARRACUDA (MVS-AP-101) | 9.0 |
| DECLARATION | 9.0 |
| FOCUS (SRP-1GMC) | 9.0 |
| PENNCROSS | 9.0 |
| PIN-UP (HTM) | 9.0 |
| SRP-1BLTR3 | 9.0 |
| VILLA | 9.0 |
| L-93 | 8.7 |
| LUMINARY (A08-TDN2) | 8.7 |
| PENN A-2 | 8.7 |
| PROCLAMATION (LTP-FEC) | 8.7 |
| PURE DISTINCTION (PST-OJO) | 8.7 |
| SR 7200 | 8.7 |
| PENN A-1 | 8.3 |
| ALPHA | 8.0 |
| AUTHORITY | 8.0 |
| V8 | 8.0 |
| T-1 | 7.0 |
| LSD VALUE | 1.5 |
| C.V. (%) | 10.8 |

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

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

TABLE 18B. PINK SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | IN1 |
|----------------------------|------|
| AFM | 9.0 |
| BARRACUDA (MVS-AP-101) | 9.0 |
| DECLARATION | 9.0 |
| FOCUS (SRP-1GMC) | 9.0 |
| PENNCROSS | 9.0 |
| PIN-UP (HTM) | 9.0 |
| SRP-1BLTR3 | 9.0 |
| L-93 | 8.7 |
| LUMINARY (A08-TDN2) | 8.7 |
| PENN A-2 | 8.7 |
| PROCLAMATION (LTP-FEC) | 8.7 |
| PURE DISTINCTION (PST-OJO) | 8.7 |
| PENN A-1 | 8.3 |
| ALPHA | 8.0 |
| AUTHORITY | 8.0 |
| V8 | 8.0 |
| T-1 | 7.0 |
| LSD VALUE | 1.6 |
| C.V. (%) | 11.3 |

TABLE 18C. PINK SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | IN1 |
|-----------|-----|
| VILLA | 9.0 |
| SR 7200 | 8.7 |
| LSD VALUE | 0.7 |
| C.V. (%) | 4.6 |

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

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

TABLE 19A. TAKE-ALL PATCH RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

TAKE-ALL PATCH RATINGS 1-9; 9=NO DISEASE 2/

| NAME | NJ1 |
|----------------------------|------|
| LUMINARY (A08-TDN2) | 8.3 |
| PURE DISTINCTION (PST-OJO) | 8.0 |
| PROCLAMATION (LTP-FEC) | 7.7 |
| FOCUS (SRP-1GMC) | 6.7 |
| V8 | 6.7 |
| BARRACUDA (MVS-AP-101) | 6.3 |
| SRP-1BLTR3 | 6.3 |
| VILLA | 6.3 |
| PENN A-1 | 6.0 |
| PIN-UP (HTM) | 6.0 |
| AFM | 5.3 |
| ALPHA | 5.0 |
| DECLARATION | 5.0 |
| L-93 | 5.0 |
| T-1 | 5.0 |
| PENN A-2 | 4.3 |
| AUTHORITY | 3.7 |
| SR 7200 | 3.7 |
| PENNCROSS | 3.3 |
| LSD VALUE | 2.1 |
| C.V. (%) | 23.0 |

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

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

TABLE 19B. TAKE-ALL PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

TAKE-ALL PATCH RATINGS 1-9; 9=NO DISEASE 2/

| NAME | NJ1 |
|----------------------------|------|
| LUMINARY (A08-TDN2) | 8.3 |
| PURE DISTINCTION (PST-OJO) | 8.0 |
| PROCLAMATION (LTP-FEC) | 7.7 |
| FOCUS (SRP-1GMC) | 6.7 |
| V8 | 6.7 |
| BARRACUDA (MVS-AP-101) | 6.3 |
| SRP-1BLTR3 | 6.3 |
| PENN A-1 | 6.0 |
| PIN-UP (HTM) | 6.0 |
| AFM | 5.3 |
| ALPHA | 5.0 |
| DECLARATION | 5.0 |
| L-93 | 5.0 |
| T-1 | 5.0 |
| PENN A-2 | 4.3 |
| AUTHORITY | 3.7 |
| PENNCROSS | 3.3 |
| LSD VALUE | 1.8 |
| C.V. (%) | 18.8 |

TABLE 19C. TAKE-ALL PATCH RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

TAKE-ALL PATCH RATINGS 1-9; 9=NO DISEASE 2/

| NAME | NJ1 |
|-----------|------|
| VILLA | 6.3 |
| SR 7200 | 3.7 |
| LSD VALUE | 4.0 |
| C.V. (%) | 50.3 |

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 20A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | PA1 |
|----------------------------|------|
| FOCUS (SRP-1GMC) | 4.7 |
| SRP-1BLTR3 | 4.7 |
| LUMINARY (A08-TDN2) | 4.0 |
| BARRACUDA (MVS-AP-101) | 3.7 |
| DECLARATION | 3.7 |
| V8 | 3.7 |
| AUTHORITY | 3.3 |
| PIN-UP (HTM) | 3.3 |
| PROCLAMATION (LTP-FEC) | 3.3 |
| PURE DISTINCTION (PST-OJO) | 3.3 |
| AFM | 3.0 |
| PENN A-2 | 3.0 |
| L-93 | 2.7 |
| PENN A-1 | 2.7 |
| T-1 | 2.7 |
| ALPHA | 2.3 |
| PENNCROSS | 1.7 |
| VILLA | 1.7 |
| SR 7200 | 1.3 |
| LSD VALUE | 1.2 |
| C.V. (%) | 23.9 |

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 20B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | PA1 |
|----------------------------|------|
| FOCUS (SRP-1GMC) | 4.7 |
| SRP-1BLTR3 | 4.7 |
| LUMINARY (A08-TDN2) | 4.0 |
| BARRACUDA (MVS-AP-101) | 3.7 |
| DECLARATION | 3.7 |
| V8 | 3.7 |
| AUTHORITY | 3.3 |
| PIN-UP (HTM) | 3.3 |
| PROCLAMATION (LTP-FEC) | 3.3 |
| PURE DISTINCTION (PST-OJO) | 3.3 |
| AFM | 3.0 |
| PENN A-2 | 3.0 |
| L-93 | 2.7 |
| PENN A-1 | 2.7 |
| T-1 | 2.7 |
| ALPHA | 2.3 |
| PENNCROSS | 1.7 |
| LSD VALUE | 1.2 |
| C.V. (%) | 23.0 |

TABLE 20C. FALL COLOR (NOVEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | PA1 |
|-----------|------|
| VILLA | 1.7 |
| SR 7200 | 1.3 |
| LSD VALUE | 0.9 |
| C.V. (%) | 38.5 |

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 21A. POA ANNUA RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | PA1 |
|----------------------------|------|
| PURE DISTINCTION (PST-OJ0) | 8.7 |
| PROCLAMATION (LTP-FEC) | 8.3 |
| BARRACUDA (MVS-AP-101) | 8.0 |
| DECLARATION | 8.0 |
| FOCUS (SRP-1GMC) | 8.0 |
| LUMINARY (A08-TDN2) | 8.0 |
| PIN-UP (HTM) | 8.0 |
| V8 | 8.0 |
| SRP-1BLTR3 | 7.7 |
| AFM | 7.3 |
| AUTHORITY | 7.3 |
| ALPHA | 6.7 |
| PENN A-2 | 6.7 |
| T-1 | 6.7 |
| PENN A-1 | 5.7 |
| L-93 | 5.3 |
| VILLA | 5.3 |
| PENNCROSS | 4.3 |
| SR 7200 | 2.7 |
| LSD VALUE | 1.3 |
| C.V. (%) | 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 21B. POA ANNUA RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | PA1 |
|----------------------------|------|
| PURE DISTINCTION (PST-OJO) | 8.7 |
| PROCLAMATION (LTP-FEC) | 8.3 |
| BARRACUDA (MVS-AP-101) | 8.0 |
| DECLARATION | 8.0 |
| FOCUS (SRP-1GMC) | 8.0 |
| LUMINARY (A08-TDN2) | 8.0 |
| PIN-UP (HTM) | 8.0 |
| V8 | 8.0 |
| SRP-1BLTR3 | 7.7 |
| AFM | 7.3 |
| AUTHORITY | 7.3 |
| ALPHA | 6.7 |
| PENN A-2 | 6.7 |
| T-1 | 6.7 |
| PENN A-1 | 5.7 |
| L-93 | 5.3 |
| PENNCROSS | 4.3 |
| LSD VALUE | 1.3 |
| C.V. (%) | 11.0 |

TABLE 21C. POA ANNUA RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

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

| NAME | PA1 |
|-----------|------|
| VILLA | 5.3 |
| SR 7200 | 2.7 |
| LSD VALUE | 1.5 |
| 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 22A. TURF UNIFORMITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/

| NAME | RI1 |
|----------------------------|------|
| AUTHORITY | 8.3 |
| PROCLAMATION (LTP-FEC) | 8.3 |
| PURE DISTINCTION (PST-OJO) | 8.3 |
| V8 | 8.3 |
| DECLARATION | 8.0 |
| FOCUS (SRP-1GMC) | 8.0 |
| VILLA | 8.0 |
| AFM | 7.7 |
| PIN-UP (HTM) | 7.7 |
| BARRACUDA (MVS-AP-101) | 7.5 |
| L-93 | 7.3 |
| LUMINARY (A08-TDN2) | 7.3 |
| SRP-1BLTR3 | 7.0 |
| PENN A-1 | 6.3 |
| ALPHA | 6.0 |
| PENN A-2 | 6.0 |
| SR 7200 | 5.7 |
| PENNCROSS | 4.7 |
| T-1 | 4.7 |
| LSD VALUE | 1.9 |
| C.V. (%) | 16.7 |

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

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

TABLE 22B. TURF UNIFORMITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/

| NAME | RI1 |
|----------------------------|------|
| AUTHORITY | 8.3 |
| PROCLAMATION (LTP-FEC) | 8.3 |
| PURE DISTINCTION (PST-OJO) | 8.3 |
| V8 | 8.3 |
| DECLARATION | 8.0 |
| FOCUS (SRP-1GMC) | 8.0 |
| AFM | 7.7 |
| PIN-UP (HTM) | 7.7 |
| BARRACUDA (MVS-AP-101) | 7.5 |
| L-93 | 7.3 |
| LUMINARY (A08-TDN2) | 7.3 |
| SRP-1BLTR3 | 7.0 |
| PENN A-1 | 6.3 |
| ALPHA | 6.0 |
| PENN A-2 | 6.0 |
| PENNCROSS | 4.7 |
| T-1 | 4.7 |
| LSD VALUE | 1.8 |
| C.V. (%) | 15.8 |

TABLE 22C. TURF UNIFORMITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2011 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/

| NAME | RI1 |
|-----------|------|
| VILLA | 8.0 |
| SR 7200 | 5.7 |
| LSD VALUE | 2.6 |
| C.V. (%) | 23.9 |

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 23A. PERCENT SNOW MOLD RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2011 DATA 2/

| NAME | UT1 |
|----------------------------|------|
| PURE DISTINCTION (PST-OJO) | 99.0 |
| AUTHORITY | 97.7 |
| FOCUS (SRP-1GMC) | 96.3 |
| PENN A-1 | 96.3 |
| SRP-1BLTR3 | 96.3 |
| PENN A-2 | 96.0 |
| V8 | 95.0 |
| AFM | 94.7 |
| L-93 | 94.7 |
| PIN-UP (HTM) | 93.3 |
| ALPHA | 93.0 |
| LUMINARY (A08-TDN2) | 91.7 |
| PENNCROSS | 91.7 |
| T-1 | 91.7 |
| PROCLAMATION (LTP-FEC) | 90.0 |
| BARRACUDA (MVS-AP-101) | 88.3 |
| DECLARATION | 88.3 |
| VILLA | 75.0 |
| SR 7200 | 73.3 |
| LSD VALUE | 7.1 |
| C.V. (%) | 4.8 |

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 23B. PERCENT SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2011 DATA 2/

| NAME | UT1 |
|----------------------------|------|
| PURE DISTINCTION (PST-0JO) | 99.0 |
| AUTHORITY | 97.7 |
| FOCUS (SRP-1GMC) | 96.3 |
| PENN A-1 | 96.3 |
| SRP-1BLTR3 | 96.3 |
| PENN A-2 | 96.0 |
| V8 | 95.0 |
| AFM | 94.7 |
| L-93 | 94.7 |
| PIN-UP (HTM) | 93.3 |
| ALPHA | 93.0 |
| LUMINARY (A08-TDN2) | 91.7 |
| PENNCROSS | 91.7 |
| T-1 | 91.7 |
| PROCLAMATION (LTP-FEC) | 90.0 |
| BARRACUDA (MVS-AP-101) | 88.3 |
| DECLARATION | 88.3 |
| LSD VALUE | 6.4 |
| C.V. (%) | 4.2 |

TABLE 23C. PERCENT SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2011 DATA 2/

| NAME | UT1 |
|-----------|------|
| VILLA | 75.0 |
| SR 7200 | 73.3 |
| LSD VALUE | 11.8 |
| C.V. (%) | 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 24A. AERIFICATION RECOVERY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2011 DATA

AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/

| NAME | APRIL | NOVEMBER | MEAN |
|----------------------------|-------|----------|------|
| PURE DISTINCTION (PST-OJO) | 7.7 | 8.7 | 8.2 |
| PENN A-2 | 7.7 | 8.0 | 7.8 |
| LUMINARY (A08-TDN2) | 6.3 | 9.0 | 7.7 |
| DECLARATION | 7.0 | 8.0 | 7.5 |
| FOCUS (SRP-1GMC) | 6.0 | 9.0 | 7.5 |
| SRP-1BLTR3 | 7.0 | 7.7 | 7.3 |
| AUTHORITY | 7.0 | 7.3 | 7.2 |
| T-1 | 6.3 | 8.0 | 7.2 |
| L-93 | 6.0 | 8.0 | 7.0 |
| PENNCROSS | 6.3 | 7.7 | 7.0 |
| BARRACUDA (MVS-AP-101) | 6.0 | 7.7 | 6.8 |
| PENN A-1 | 6.0 | 7.3 | 6.7 |
| PROCLAMATION (LTP-FEC) | 5.7 | 7.7 | 6.7 |
| SR 7200 | 6.3 | 7.0 | 6.7 |
| AFM | 5.7 | 7.3 | 6.5 |
| PIN-UP (HTM) | 6.7 | 6.3 | 6.5 |
| ALPHA | 5.7 | 7.0 | 6.3 |
| V8 | 6.0 | 6.7 | 6.3 |
| VILLA | 4.7 | 6.0 | 5.3 |
| LSD VALUE | 2.9 | 2.8 | 2.4 |
| C.V. (%) | 17.6 | 15.0 | 13.6 |

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

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

TABLE 24B. AERIFICATION RECOVERY RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2011 DATA

AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/

| NAME | APRIL | NOVEMBER | MEAN |
|----------------------------|-------|----------|------|
| PURE DISTINCTION (PST-OJO) | 7.7 | 8.7 | 8.2 |
| PENN A-2 | 7.7 | 8.0 | 7.8 |
| LUMINARY (A08-TDN2) | 6.3 | 9.0 | 7.7 |
| DECLARATION | 7.0 | 8.0 | 7.5 |
| FOCUS (SRP-1GMC) | 6.0 | 9.0 | 7.5 |
| SRP-1BLTR3 | 7.0 | 7.7 | 7.3 |
| AUTHORITY | 7.0 | 7.3 | 7.2 |
| T-1 | 6.3 | 8.0 | 7.2 |
| L-93 | 6.0 | 8.0 | 7.0 |
| PENNCROSS | 6.3 | 7.7 | 7.0 |
| BARRACUDA (MVS-AP-101) | 6.0 | 7.7 | 6.8 |
| PENN A-1 | 6.0 | 7.3 | 6.7 |
| PROCLAMATION (LTP-FEC) | 5.7 | 7.7 | 6.7 |
| AFM | 5.7 | 7.3 | 6.5 |
| PIN-UP (HTM) | 6.7 | 6.3 | 6.5 |
| ALPHA | 5.7 | 7.0 | 6.3 |
| V8 | 6.0 | 6.7 | 6.3 |
| LSD VALUE | 3.2 | 2.8 | 2.6 |
| C.V. (%) | 17.5 | 14.2 | 13.1 |

TABLE 24C. AERIFICATION RECOVERY RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2011 DATA

AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/

| NAME | APRIL | NOVEMBER | MEAN |
|-----------|-------|----------|------|
| SR 7200 | 6.3 | 7.0 | 6.7 |
| VILLA | 4.7 | 6.0 | 5.3 |
| LSD VALUE | 3.2 | 2.8 | 2.6 |
| C.V. (%) | 19.6 | 10.9 | 12.3 |

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

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

TABLE 25A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2011 DATA

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

| NAME | MAY | JUNE | MEAN |
|----------------------------|-----|------|------|
| BARRACUDA (MVS-AP-101) | 9.0 | 9.0 | 9.0 |
| DECLARATION | 9.0 | 9.0 | 9.0 |
| LUMINARY (A08-TDN2) | 9.0 | 9.0 | 9.0 |
| V8 | 9.0 | 9.0 | 9.0 |
| FOCUS (SRP-1GMC) | 8.7 | 9.0 | 8.8 |
| L-93 | 9.0 | 8.7 | 8.8 |
| PIN-UP (HTM) | 9.0 | 8.7 | 8.8 |
| PROCLAMATION (LTP-FEC) | 9.0 | 8.7 | 8.8 |
| VILLA | 9.0 | 8.7 | 8.8 |
| AFM | 8.7 | 8.7 | 8.7 |
| PENN A-1 | 9.0 | 8.3 | 8.7 |
| PENNCROSS | 9.0 | 8.3 | 8.7 |
| SR 7200 | 8.7 | 8.7 | 8.7 |
| AUTHORITY | 8.7 | 7.7 | 8.2 |
| T-1 | 8.7 | 7.7 | 8.2 |
| ALPHA | 8.7 | 7.3 | 8.0 |
| PENN A-2 | 9.0 | 6.7 | 7.8 |
| PURE DISTINCTION (PST-OJO) | 7.0 | 5.7 | 6.3 |
| SRP-1BLTR3 | 6.0 | 5.0 | 5.5 |
| LSD VALUE | 0.7 | 1.3 | 0.8 |
| C.V. (%) | 5.3 | 9.8 | 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 25B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2011 DATA

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

| NAME | MAY | JUNE | MEAN |
|----------------------------|-----|------|------|
| BARRACUDA (MVS-AP-101) | 9.0 | 9.0 | 9.0 |
| DECLARATION | 9.0 | 9.0 | 9.0 |
| LUMINARY (A08-TDN2) | 9.0 | 9.0 | 9.0 |
| V8 | 9.0 | 9.0 | 9.0 |
| FOCUS (SRP-1GMC) | 8.7 | 9.0 | 8.8 |
| L-93 | 9.0 | 8.7 | 8.8 |
| PIN-UP (HTM) | 9.0 | 8.7 | 8.8 |
| PROCLAMATION (LTP-FEC) | 9.0 | 8.7 | 8.8 |
| AFM | 8.7 | 8.7 | 8.7 |
| PENN A-1 | 9.0 | 8.3 | 8.7 |
| PENNGROSS | 9.0 | 8.3 | 8.7 |
| AUTHORITY | 8.7 | 7.7 | 8.2 |
| T-1 | 8.7 | 7.7 | 8.2 |
| ALPHA | 8.7 | 7.3 | 8.0 |
| PENN A-2 | 9.0 | 6.7 | 7.8 |
| PURE DISTINCTION (PST-OJO) | 7.0 | 5.7 | 6.3 |
| SRP-1BLTR3 | 6.0 | 5.0 | 5.5 |
| LSD VALUE | 0.7 | 1.3 | 0.8 |
| C.V. (%) | 5.4 | 10.1 | 6.4 |

TABLE 25C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2011 DATA

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

| NAME | MAY | JUNE | MEAN |
|-----------|-----|------|------|
| VILLA | 9.0 | 8.7 | 8.8 |
| SR 7200 | 8.7 | 8.7 | 8.7 |
| LSD VALUE | 0.7 | 1.3 | 0.8 |
| C.V. (%) | 4.6 | 8.2 | 6.2 |

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

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

TABLE 26A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2011 DATA

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

| NAME | JULY | AUGUST | OCTOBER | MEAN |
|----------------------------|------|--------|---------|------|
| VILLA | 8.7 | 8.3 | 8.7 | 8.6 |
| SR 7200 | 9.0 | 8.3 | 8.0 | 8.4 |
| DECLARATION | 8.0 | 8.3 | 7.7 | 8.0 |
| V8 | 7.0 | 8.0 | 7.7 | 7.6 |
| BARRACUDA (MVS-AP-101) | 7.0 | 7.0 | 7.5 | 7.1 |
| FOCUS (SRP-1GMC) | 6.7 | 6.3 | 8.3 | 7.1 |
| PENN A-1 | 5.3 | 5.3 | 6.0 | 5.6 |
| AUTHORITY | 5.0 | 5.7 | 5.7 | 5.4 |
| L-93 | 5.0 | 6.7 | 4.7 | 5.4 |
| PIN-UP (HTM) | 3.0 | 5.0 | 7.7 | 5.2 |
| PROCLAMATION (LTP-FEC) | 5.0 | 5.0 | 4.7 | 4.9 |
| AFM | 3.7 | 4.3 | 5.7 | 4.6 |
| PURE DISTINCTION (PST-OJO) | 1.7 | 4.7 | 7.3 | 4.6 |
| PENN A-2 | 3.0 | 5.0 | 5.3 | 4.4 |
| PENNCROSS | 5.0 | 7.3 | 1.0 | 4.4 |
| LUMINARY (A08-TDN2) | 4.0 | 2.0 | 6.0 | 4.3 |
| ALPHA | 3.7 | 4.0 | 3.7 | 3.8 |
| T-1 | 3.7 | 4.7 | 3.0 | 3.8 |
| SRP-1BLTR3 | 1.7 | 1.3 | 5.0 | 2.7 |
| LSD VALUE | 2.8 | 2.0 | 2.9 | 1.3 |
| C.V. (%) | 32.8 | 21.4 | 27.8 | 15.6 |

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

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

TABLE 26B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2011 DATA

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

| NAME | JULY | AUGUST | OCTOBER | MEAN |
|----------------------------|------|--------|---------|------|
| DECLARATION | 8.0 | 8.3 | 7.7 | 8.0 |
| V8 | 7.0 | 8.0 | 7.7 | 7.6 |
| BARRACUDA (MVS-AP-101) | 7.0 | 7.0 | 7.5 | 7.1 |
| FOCUS (SRP-1GMC) | 6.7 | 6.3 | 8.3 | 7.1 |
| PENN A-1 | 5.3 | 5.3 | 6.0 | 5.6 |
| AUTHORITY | 5.0 | 5.7 | 5.7 | 5.4 |
| L-93 | 5.0 | 6.7 | 4.7 | 5.4 |
| PIN-UP (HTM) | 3.0 | 5.0 | 7.7 | 5.2 |
| PROCLAMATION (LTP-FEC) | 5.0 | 5.0 | 4.7 | 4.9 |
| AFM | 3.7 | 4.3 | 5.7 | 4.6 |
| PURE DISTINCTION (PST-OJO) | 1.7 | 4.7 | 7.3 | 4.6 |
| PENN A-2 | 3.0 | 5.0 | 5.3 | 4.4 |
| PENNCROSS | 5.0 | 7.3 | 1.0 | 4.4 |
| LUMINARY (A08-TDN2) | 4.0 | 2.0 | 6.0 | 4.3 |
| ALPHA | 3.7 | 4.0 | 3.7 | 3.8 |
| T-1 | 3.7 | 4.7 | 3.0 | 3.8 |
| SRP-1BLTR3 | 1.7 | 1.3 | 5.0 | 2.7 |
| LSD VALUE | 3.2 | 2.1 | 3.0 | 1.4 |
| C.V. (%) | 38.1 | 22.8 | 29.6 | 17.3 |

TABLE 26C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2011 DATA

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

| NAME | JULY | AUGUST | OCTOBER | MEAN |
|-----------|------|--------|---------|------|
| VILLA | 8.7 | 8.3 | 8.7 | 8.6 |
| SR 7200 | 9.0 | 8.3 | 8.0 | 8.4 |
| LSD VALUE | 3.2 | 2.1 | 3.0 | 1.4 |
| C.V. (%) | 4.6 | 8.5 | 4.9 | 4.2 |

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 27A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT BLACKSBURG, VA 1/
2011 DATA

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

| NAME | MAY | JULY | MEAN |
|----------------------------|-----|------|------|
| DECLARATION | 8.7 | 9.0 | 8.8 |
| VILLA | 9.0 | 8.7 | 8.8 |
| SR 7200 | 9.0 | 8.0 | 8.5 |
| PROCLAMATION (LTP-FEC) | 8.0 | 8.0 | 8.0 |
| AFM | 7.3 | 8.0 | 7.7 |
| FOCUS (SRP-1GMC) | 7.7 | 7.7 | 7.7 |
| LUMINARY (A08-TDN2) | 7.3 | 8.0 | 7.7 |
| BARRACUDA (MVS-AP-101) | 7.3 | 7.7 | 7.5 |
| PIN-UP (HTM) | 7.7 | 7.0 | 7.3 |
| V8 | 7.0 | 7.7 | 7.3 |
| PENNCROSS | 7.3 | 7.0 | 7.2 |
| PENN A-1 | 7.0 | 7.0 | 7.0 |
| PENN A-2 | 7.0 | 7.0 | 7.0 |
| L-93 | 6.7 | 7.0 | 6.8 |
| ALPHA | 6.7 | 6.7 | 6.7 |
| AUTHORITY | 6.7 | 6.7 | 6.7 |
| SRP-1BLTR3 | 5.0 | 6.3 | 5.7 |
| PURE DISTINCTION (PST-OJO) | 5.0 | 5.7 | 5.3 |
| T-1 | 5.0 | 5.0 | 5.0 |
| LSD VALUE | 0.9 | 1.2 | 0.9 |
| C.V. (%) | 8.2 | 9.8 | 7.9 |

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

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

TABLE 27B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT BLACKSBURG, VA 1/
2011 DATA

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

| NAME | MAY | JULY | MEAN |
|----------------------------|-----|------|------|
| DECLARATION | 8.7 | 9.0 | 8.8 |
| PROCLAMATION (LTP-FEC) | 8.0 | 8.0 | 8.0 |
| AFM | 7.3 | 8.0 | 7.7 |
| FOCUS (SRP-1GMC) | 7.7 | 7.7 | 7.7 |
| LUMINARY (A08-TDN2) | 7.3 | 8.0 | 7.7 |
| BARRACUDA (MVS-AP-101) | 7.3 | 7.7 | 7.5 |
| PIN-UP (HTM) | 7.7 | 7.0 | 7.3 |
| V8 | 7.0 | 7.7 | 7.3 |
| PENNCROSS | 7.3 | 7.0 | 7.2 |
| PENN A-1 | 7.0 | 7.0 | 7.0 |
| PENN A-2 | 7.0 | 7.0 | 7.0 |
| L-93 | 6.7 | 7.0 | 6.8 |
| ALPHA | 6.7 | 6.7 | 6.7 |
| AUTHORITY | 6.7 | 6.7 | 6.7 |
| SRP-1BLTR3 | 5.0 | 6.3 | 5.7 |
| PURE DISTINCTION (PST-OJO) | 5.0 | 5.7 | 5.3 |
| T-1 | 5.0 | 5.0 | 5.0 |
| LSD VALUE | 1.0 | 1.2 | 0.9 |
| C.V. (%) | 9.0 | 10.2 | 8.4 |

TABLE 27C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT BLACKSBURG, VA 1/
2011 DATA

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

| NAME | MAY | JULY | MEAN |
|-----------|-----|------|------|
| VILLA | 9 | 8.7 | 8.8 |
| SR 7200 | 9 | 8.0 | 8.5 |
| LSD VALUE | 1 | 1.2 | 0.9 |
| C.V. (%) | 0 | 4.9 | 2.4 |

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

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