

## **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 American Sod Producers Association, one member from the United States Golf Association (USGA) Green Section, one member from the Turfgrass Breeders Association, an executive director and a national program coordinator. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

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

Executive Director - Dr. Robert Shearman, University of Nebraska

National Program Coordinator - Kevin N. Morris, National Turfgrass Federation, Inc.

### **CURRENT POLICY COMMITTEE MEMBERS:**

Dr. A. Douglas Brede, Jacklin Seed Company  
Dr. David Chalmers, Virginia Tech University  
Dr. Thomas Fermanian, University of Illinois  
Dr. Donald Floyd, Pickseed West, Inc.  
Mr. Al Gardner, Gardner Turfgrass, Inc.  
Dr. Michael Kenna, USGA Green Section  
Dr. Anthony Koski, Colorado State University  
Dr. Jeff Nus, Golf Course Superintendents Association of America  
Dr. Bridget Ruemmele, University of Rhode Island

### **FOR ADDITIONAL REPORTS OR INFORMATION WRITE:**

Kevin Morris, National Program Coordinator  
National Turfgrass Evaluation Program  
Beltsville Agricultural Research Center-West  
Building 002, Room 013  
Beltsville, Maryland 20705

## CONTENTS

### 1993 National Bentgrass (Green) Test - 1997 data

|                                                                                                                                                        |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| LOCATIONS SUBMITTING DATA FOR 1997.....                                                                                                                | 1  |
| NATIONAL BENTGRASS (GREEN) TEST, 1993 - Entries and Sponsors.....                                                                                      | 2  |
| Table A - 1997 Locations, Site Descriptions and Management Practices<br>in the 1993 National Bentgrass (Green) Test.....                               | 3  |
| Table B - Locations and Data Collected in 1997.....                                                                                                    | 4  |
| Table 1 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown<br>on a Green at Sixteen Locations in the U.S. and Canada.....                   | 6  |
| Table 2 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars For Each<br>Month Grown on a Green at Sixteen Locations in the<br>U.S. and Canada..... | 7  |
| Table 3 - Ranking of Mean Turfgrass Quality Ratings of Bentgrass Cultivars<br>Grown on a Green at Sixteen Locations in the<br>U.S. and Canada.....     | 8  |
| Table 4 - Genetic Color Ratings of Bentgrass Cultivars Grown on a Green....                                                                            | 9  |
| Table 5 - Spring Greenup Ratings of Bentgrass Cultivars Grown on a Green..                                                                             | 10 |
| Table 6 - Leaf Texture Ratings of Bentgrass Cultivars Grown on a Green....                                                                             | 11 |
| Table 7 - Spring Density Ratings of Bentgrass Cultivars Grown on a Green..                                                                             | 12 |
| Table 8 - Summer Density Ratings of Bentgrass Cultivars Grown on a Green..                                                                             | 13 |
| Table 9 - Fall Density Ratings of Bentgrass Cultivars Grown on a Green....                                                                             | 14 |
| Table 10 - Percent Living Ground Cover (Spring) Ratings of Bentgrass<br>Cultivars Grown on a Green.....                                                | 15 |
| Table 11 - Percent Living Ground Cover (Summer) Ratings of Bentgrass<br>Cultivars Grown on a Green.....                                                | 16 |
| Table 12 - Percent Living Ground Cover (Fall) Ratings of Bentgrass<br>Cultivars Grown on a Green.....                                                  | 17 |
| Table 13 - Winter Color Ratings of Bentgrass Cultivars Grown on a Green....                                                                            | 18 |
| Table 14 - Percent Winter Kill Ratings of Bentgrass Cultivars Grown<br>on a Green.....                                                                 | 19 |
| Table 15 - Thatch Measurements of Bentgrass Cultivars Grown on a Green....                                                                             | 20 |
| Table 16 - Fusarium Patch Ratings of Bentgrass Cultivars Grown on a Green..                                                                            | 21 |

## CONTENTS (Continued)

|                                                                                                    |    |
|----------------------------------------------------------------------------------------------------|----|
| Table 17 - Dollar Spot Ratings of Bentgrass Cultivars Grown on a Green.....                        | 22 |
| Table 18 - Anthracnose Ratings of Bentgrass Cultivars Grown on a Green.....                        | 23 |
| Table 19 - Percent Dollar Spot (May) Ratings of Bentgrass Cultivars Grown<br>Grown on a Green..... | 24 |
| Table 20 - Dollar Spot (July) Ratings of Bentgrass Cultivars Grown<br>on a Green.....              | 25 |
| Table 21 - Percent Brown Patch (July) Ratings of Bentgrass Cultivars<br>Grown on a Green.....      | 26 |
| Table 22 - Percent Poa Annua Ratings of Bentgrass Cultivars Grown<br>on a Green.....               | 27 |
| Table 23 - Stimpmeter Readings of Bentgrass Cultivars Grown on<br>a Green at Stillwater, OK.....   | 28 |

LOCATIONS SUBMITTING DATA FOR 1997

| <u>State</u>  | <u>Location</u>       | <u>Code</u> |
|---------------|-----------------------|-------------|
| Arizona       | Tucson                | AZ1         |
| Iowa          | Ames                  | IA1         |
| Illinois      | Urbana                | IL1         |
| Illinois      | Carbondale            | IL2         |
| Kentucky      | Lexington             | KY1         |
| Massachusetts | Amherst               | MA1         |
| Michigan      | East Lansing          | MI1         |
| Minnesota     | St. Paul              | MN1         |
| New Jersey    | North Brunswick       | NJ1         |
| Oklahoma      | Stillwater            | OK1         |
| Quebec        | Quebec                | QE1         |
| Rhode Island  | Kingston              | RI1         |
| Texas         | Dallas                | TX1         |
| Washington    | Pullman               | WA1         |
| Wisconsin     | Madison (Native Soil) | WI1         |
| Wisconsin     | Madison (Sand)        | WI2         |

1993 NATIONAL BENTGRASS TEST  
(Greens)

Entries and Sponsors

| Entry<br>No. | Name                | Species  | Sponsor                                         |
|--------------|---------------------|----------|-------------------------------------------------|
| 1            | 18th Green          | creeping | Zajac Performance Seeds/<br>Johnson Seeds, Ltd. |
| 2            | Regent              | creeping | Barenbrug USA                                   |
| 3            | BAR As 492          | creeping | Barenbrug Holland                               |
| 4            | BAR Ws 42102        | creeping | Barenbrug Holland                               |
| 5            | Trueline            | creeping | Turf Merchants                                  |
| 6            | Seaside             | creeping | Standard entry                                  |
| 7            | Cato                | creeping | Pickseed West, Inc.                             |
| 8            | PRO/CUP             | creeping | Forbes Seed & Grain, Inc.                       |
| 9            | Crenshaw            | creeping | Loft's Seed, Inc.                               |
| 10           | Southshore          | creeping | Loft's Seed, Inc.                               |
| 11           | Providence          | creeping | Seed Research of OR, Inc.                       |
| 12           | SR 1020             | creeping | Seed Research of OR, Inc.                       |
| 13           | Century (Syn 92-1)  | creeping | E. F. Burlingham & Sons                         |
| 14           | Backspin (Syn 92-2) | creeping | Turf Merchants, Inc.                            |
| 15           | Imperial (Syn 92-5) | creeping | E. F. Burlingham & Sons                         |
| 16           | Pennncross          | creeping | Standard entry                                  |
| 17           | Penn A-1 (A-1)      | creeping | Tee-2-Green Corp.                               |
| 18           | Penn A-4 (A-4)      | creeping | Tee-2-Green Corp.                               |
| 19           | Penn G-2 (G-2)      | creeping | LESCO, Inc.                                     |
| 20           | Penn G-6 (G-6)      | creeping | Tee-2-Green Corp.                               |
| 21           | Pennlinks           | creeping | Tee-2-Green Corp.                               |
| 22           | DG-P                | creeping | ProSeeds Marketing                              |
| 23           | MSUEB               | creeping | Mississippi State Univ.                         |
| 24           | Loft's L-93 (L-93)  | creeping | Loft's Seed, Inc.                               |
| 25           | Lopez               | creeping | Finelawn Research, Inc.                         |
| 26           | Tendenz             | colonial | Finelawn Research, Inc.                         |
| 27           | ISI-Ap-89150        | creeping | International Seeds, Inc.                       |
| 28           | Mariner (Syn-1-88)  | creeping | Pickseed West, Inc.                             |

TABLE A.

1997 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 1993 NATIONAL BENTGRASS (GREEN) TEST

| LOCATION | SOIL<br>TEXTURE    | SOIL<br>PH | SOIL<br>PHOSPHOROUS<br>(LBS/ACRE) | SOIL<br>POTASSIUM<br>(LBS/ACRE) | NITROGEN<br>(LBS/1000 SQ FT) | SUN<br>OR<br>SHADE | MOWING<br>HEIGHT<br>(IN) | IRRIGATION<br>PRACTICED |
|----------|--------------------|------------|-----------------------------------|---------------------------------|------------------------------|--------------------|--------------------------|-------------------------|
| AZ1      | SAND               | 7.6-8.5    | 0-60                              | 0-150                           | 4.1-5.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| IA1      | SILTY CLAY LOAM    | 7.1-7.5    | 0-60                              | 241-375                         | 3.1-4.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| IL1      | SILT LOAM AND SILT | 6.1-6.5    | 0-60                              | 376-500                         | 3.1-4.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| IL2      | SILTY CLAY LOAM    | 6.1-6.5    | 271-450                           | 151-240                         | 3.1-4.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| KY1      | SAND               | 7.1-7.5    | 0-60                              | 241-375                         | 4.1-5.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| MA1      | SILT LOAM AND SILT | 6.1-6.5    | 61-150                            | 151-240                         | 5.1-6.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| MI1      | SAND               | 7.6-8.5    | 0-60                              | 0-150                           | 5.1-6.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| MN1      | SILTY CLAY LOAM    | 7.1-7.5    | 151-270                           | 151-240                         | 5.1-6.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| NJ1      | SANDY LOAM         | 5.6-6.0    | 271-450                           | 151-240                         | 2.1-3.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| OK1      | SAND               | 6.6-7.0    | 61-150                            | 241-375                         | 4.1-5.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| QE1      | SAND               | 7.1-7.5    | 0-60                              | 0-150                           | 6.1-7.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| RI1      | SILT LOAM AND SILT | 6.1-6.5    | 61-150                            | 151-240                         | 3.1-4.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| TX1      | LOAMY SAND         | 6.1-6.5    | 0-60                              | 0-150                           | 7.1-8.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| WA1      | SILT LOAM AND SILT | 5.6-6.0    | 271-450                           | 501+                            | 3.1-4.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| WI1      | SAND               | 7.1-7.5    | -                                 | -                               | 1.1-2.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |
| WI2      | SILT LOAM AND SILT | 7.1-7.5    | -                                 | -                               | 1.1-2.0                      | FULL SUN           | 0.0-0.5                  | TO PREVENT STRESS       |

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 1997

| LOCATION | JANUARY<br>QUALITY<br>RATING | FEBRUARY<br>QUALITY<br>RATING | MARCH<br>QUALITY<br>RATING | APRIL<br>QUALITY<br>RATING | MAY<br>QUALITY<br>RATING | JUNE<br>QUALITY<br>RATING | JULY<br>QUALITY<br>RATING | AUGUST<br>QUALITY<br>RATING | SEPTEMBER<br>QUALITY<br>RATING | OCTOBER<br>QUALITY<br>RATING | NOVEMBER<br>QUALITY<br>RATING | DECEMBER<br>QUALITY<br>RATING | GENETIC<br>COLOR | SPRING<br>GREENUP | LEAF<br>TEXTURE | SPRING<br>DENSITY | SUMMER<br>DENSITY |
|----------|------------------------------|-------------------------------|----------------------------|----------------------------|--------------------------|---------------------------|---------------------------|-----------------------------|--------------------------------|------------------------------|-------------------------------|-------------------------------|------------------|-------------------|-----------------|-------------------|-------------------|
| AZ1      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             | X                | X                 | X               | X                 | X                 |
| IA1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               | X                | X                 | X               |                   |                   |
| IL1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |                  | X                 |                 |                   | X                 |
| IL2      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               | X                |                   | X               |                   |                   |
| KY1      |                              |                               | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               | X                | X                 | X               |                   |                   |
| MA1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               |                  | X                 |                 |                   |                   |
| MI1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               | X                | X                 | X               |                   |                   |
| MN1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               | X                | X                 | X               | X                 | X                 |
| NJ1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               | X                | X                 |                 |                   |                   |
| OK1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             | X                | X                 | X               | X                 | X                 |
| QE1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               | X                |                   | X               | X                 | X                 |
| RI1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             |                               | X                | X                 | X               |                   |                   |
| TX1      | X                            | X                             | X                          | X                          | X                        | X                         | X                         | X                           | X                              | X                            | X                             | X                             | X                |                   | X               |                   |                   |
| WA1      |                              |                               |                            | X                          | X                        | X                         | X                         | X                           | X                              | X                            |                               |                               | X                | X                 | X               |                   |                   |
| WI1      |                              |                               |                            |                            | X                        | X                         | X                         | X                           |                                | X                            | X                             |                               | X                |                   |                 |                   |                   |
| WI2      |                              |                               |                            |                            | X                        | X                         | X                         | X                           |                                | X                            | X                             |                               | X                |                   |                 |                   |                   |

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 1997

| LOCATION | FALL<br>DENSITY | PERCENT<br>COVER<br>SPRING | PERCENT<br>COVER<br>SUMMER | PERCENT<br>COVER<br>FALL | WINTER<br>COLOR | PERCENT<br>WINTER<br>KILL | THATCH<br>MEASURE-<br>MENT | FUSARIUM<br>PATCH<br>RATING | DOLLAR<br>SPOT | ANTHRACNOSE<br>RATING | PERCENT<br>DOLLAR<br>SPOT | DOLLAR<br>SPOT<br>JULY | PERCENT<br>BROWN<br>PATCH | PERCENT<br>POA<br>ANNUA | <u>STIMPMETER READINGS</u> |           |         |
|----------|-----------------|----------------------------|----------------------------|--------------------------|-----------------|---------------------------|----------------------------|-----------------------------|----------------|-----------------------|---------------------------|------------------------|---------------------------|-------------------------|----------------------------|-----------|---------|
|          |                 |                            |                            |                          |                 |                           |                            |                             |                |                       |                           |                        |                           |                         | AUGUST                     | SEPTEMBER | OCTOBER |
| AZ1      | X               |                            |                            |                          | X               |                           |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| IA1      |                 |                            |                            |                          |                 |                           |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| IL1      |                 |                            |                            |                          |                 |                           |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| IL2      |                 |                            |                            |                          |                 |                           |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| KY1      |                 |                            |                            |                          |                 |                           |                            |                             |                |                       | X                         |                        | X                         |                         |                            |           |         |
| MA1      |                 |                            |                            |                          |                 |                           |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| MI1      |                 |                            |                            |                          |                 |                           |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| MN1      | X               | X                          | X                          | X                        |                 | X                         |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| NJ1      |                 |                            |                            |                          |                 |                           |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| OK1      | X               | X                          | X                          | X                        |                 |                           |                            |                             | X              | X                     |                           |                        |                           | X                       | X                          | X         | X       |
| QE1      | X               |                            |                            |                          |                 |                           | X                          |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| RI1      |                 |                            |                            |                          |                 |                           |                            |                             | X              |                       |                           |                        |                           |                         |                            |           |         |
| TX1      |                 |                            |                            |                          |                 |                           |                            |                             | X              |                       |                           | X                      |                           |                         |                            |           |         |
| WA1      |                 |                            |                            |                          |                 |                           |                            | X                           |                |                       |                           |                        |                           |                         |                            |           |         |
| WI1      |                 |                            |                            |                          |                 |                           |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |
| WI2      |                 |                            |                            |                          |                 |                           |                            |                             |                |                       |                           |                        |                           |                         |                            |           |         |

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON  
A GREEN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/  
1997 DATA

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

| NAME                  | AZ1 | IA1 | IL1  | IL2  | KY1 | MA1 | MI1 | MNI | NJ1  | OK1 | QE1 | RI1 | TX1 | WA1  | WI1 | WI2 | MEAN |
|-----------------------|-----|-----|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|-----|-----|------|
| * PENN A-1 (A-1)      | 7.3 | 6.7 | 5.5  | 7.3  | 7.5 | 6.1 | 7.5 | 6.1 | 7.6  | 7.0 | 5.9 | 5.9 | 6.6 | 7.0  | 5.7 | 5.7 | 6.6  |
| * LOFTS L-93 (L-93)   | 7.1 | 6.3 | 5.5  | 7.6  | 7.8 | 6.7 | 7.6 | 5.7 | 7.6  | 6.1 | 6.1 | 6.5 | 6.4 | 6.6  | 5.5 | 6.1 | 6.6  |
| * PENN A-4 (A-4)      | 7.7 | 6.9 | 5.2  | 6.8  | 7.5 | 6.0 | 7.2 | 6.8 | 7.3  | 6.8 | 5.4 | 5.3 | 6.4 | 7.1  | 5.6 | 5.4 | 6.5  |
| * PENN G-2 (G-2)      | 6.9 | 6.8 | 6.1  | 6.0  | 7.2 | 6.4 | 7.0 | 5.8 | 7.6  | 6.1 | 6.1 | 5.9 | 6.3 | 6.2  | 5.7 | 5.9 | 6.4  |
| * PENN G-6 (G-6)      | 6.6 | 6.4 | 5.8  | 7.3  | 7.3 | 6.2 | 6.5 | 5.9 | 7.3  | 6.9 | 5.8 | 5.5 | 6.5 | 6.5  | 5.8 | 5.6 | 6.4  |
| * CATO                | 7.2 | 6.3 | 5.2  | 7.3  | 7.1 | 6.1 | 7.0 | 5.8 | 7.1  | 5.7 | 6.5 | 5.0 | 6.3 | 6.5  | 5.2 | 5.6 | 6.2  |
| * PROVIDENCE          | 6.8 | 5.9 | 5.9  | 6.8  | 7.2 | 6.3 | 7.0 | 5.3 | 6.8  | 5.9 | 5.5 | 5.1 | 6.4 | 6.8  | 5.4 | 5.6 | 6.2  |
| * SOUTHSORE           | 6.3 | 5.4 | 5.2  | 6.7  | 7.0 | 6.2 | 6.5 | 5.7 | 7.0  | 5.9 | 6.1 | 4.9 | 6.6 | 6.5  | 5.4 | 5.3 | 6.0  |
| * IMPERIAL (SYN 92-5) | 6.4 | 6.7 | 4.5  | 6.7  | 7.3 | 6.5 | 6.5 | 5.6 | 6.3  | 5.9 | 5.9 | 4.3 | 6.3 | 6.1  | 4.9 | 5.1 | 5.9  |
| * SR 1020             | 7.0 | 6.3 | 5.4  | 7.2  | 7.0 | 5.9 | 6.4 | 5.5 | 5.2  | 5.5 | 5.9 | 3.8 | 6.4 | 6.4  | 5.1 | 5.2 | 5.9  |
| * CENTURY (SYN 92-1)  | 6.4 | 6.8 | 5.3  | 7.2  | 6.6 | 6.2 | 6.1 | 5.4 | 6.0  | 5.5 | 5.5 | 4.1 | 6.4 | 6.4  | 5.0 | 5.2 | 5.9  |
| * REGENT              | 6.4 | 6.0 | 4.6  | 7.5  | 6.8 | 6.3 | 6.3 | 5.4 | 5.7  | 5.4 | 5.7 | 3.9 | 6.6 | 6.6  | 5.3 | 5.4 | 5.9  |
| BAR WS 42102          | 5.8 | 6.2 | 5.2  | 5.5  | 7.1 | 6.5 | 7.0 | 5.4 | 6.0  | 5.5 | 5.8 | 4.2 | 6.3 | 7.0  | 5.0 | 5.2 | 5.9  |
| * PENNLINKS           | 5.4 | 6.1 | 6.1  | 4.9  | 7.1 | 6.1 | 7.0 | 5.4 | 5.4  | 5.9 | 5.3 | 5.1 | 6.3 | 6.2  | 5.2 | 5.4 | 5.8  |
| * CRENSHAW            | 6.7 | 6.6 | 5.1  | 7.0  | 6.8 | 6.0 | 5.4 | 5.7 | 5.6  | 6.1 | 5.6 | 3.4 | 6.1 | 6.7  | 4.8 | 5.3 | 5.8  |
| ISI-AP-89150          | 5.8 | 5.8 | 5.0  | 6.8  | 7.3 | 6.0 | 6.6 | 5.4 | 5.3  | 5.4 | 5.7 | 4.6 | 6.4 | 6.4  | 4.9 | 5.0 | 5.8  |
| DG-P                  | 5.4 | 5.9 | 4.6  | 7.1  | 7.4 | 6.3 | 5.6 | 5.3 | 5.3  | 5.4 | 5.6 | 5.3 | 6.3 | 6.6  | 5.0 | 5.2 | 5.8  |
| MSUEB                 | 5.4 | 5.4 | 5.1  | 5.6  | 7.2 | 6.3 | 6.8 | 5.4 | 5.8  | 5.4 | 6.0 | 4.5 | 6.1 | 6.3  | 5.0 | 5.3 | 5.7  |
| * BACKSPIN (SYN 92-2) | 5.9 | 6.3 | 4.9  | 7.0  | 7.0 | 5.8 | 6.2 | 5.4 | 5.4  | 5.6 | 6.0 | 4.1 | 6.1 | 6.0  | 4.7 | 4.5 | 5.7  |
| * TRUELINE            | 5.2 | 5.8 | 5.2  | 6.4  | 6.5 | 6.0 | 6.2 | 5.7 | 4.4  | 5.9 | 6.2 | 4.0 | 6.3 | 6.5  | 4.9 | 5.1 | 5.6  |
| * PRO/CUP             | 5.4 | 5.9 | 5.3  | 6.8  | 6.8 | 5.8 | 6.1 | 5.4 | 5.1  | 6.0 | 3.3 | 3.8 | 6.4 | 6.5  | 4.8 | 5.3 | 5.5  |
| * LOPEZ               | 5.9 | 5.8 | 5.2  | 4.2  | 6.7 | 5.8 | 6.0 | 5.5 | 4.2  | 6.0 | 5.3 | 4.0 | 6.4 | 6.7  | 4.8 | 4.9 | 5.5  |
| * MARINER (SYN-1-88)  | 5.4 | 5.7 | 4.9  | 5.1  | 6.8 | 5.9 | 5.9 | 5.2 | 3.9  | 5.3 | 6.3 | 3.6 | 6.5 | 6.0  | 4.6 | 4.8 | 5.4  |
| * PENNCROSS           | 5.1 | 5.6 | 5.2  | 4.6  | 6.8 | 5.0 | 6.2 | 5.2 | 3.7  | 5.1 | 5.4 | 3.5 | 6.1 | 6.3  | 4.8 | 5.1 | 5.2  |
| * 18TH GREEN          | 5.2 | 6.0 | 4.2  | 4.4  | 6.2 | 5.4 | 5.1 | 5.0 | 3.8  | 5.3 | 5.9 | 2.7 | 6.5 | 6.4  | 4.6 | 4.5 | 5.1  |
| BAR AS 492            | 4.7 | 5.1 | 4.3  | 3.5  | 5.3 | 4.6 | 5.6 | 5.3 | 2.8  | .   | 5.5 | 3.7 | 6.3 | 6.0  | 4.6 | 4.8 | 4.8  |
| * TENDENZ             | 5.1 | 4.5 | 3.7  | 5.4  | 4.3 | 4.4 | 5.7 | .   | 2.2  | .   | 5.5 | 2.8 | 6.4 | 5.7  | 4.4 | 4.2 | 4.6  |
| * SEASIDE             | 4.5 | 5.0 | 3.8  | 2.5  | 5.3 | 4.8 | 5.0 | 5.1 | 2.5  | 4.5 | 4.6 | 2.3 | 6.3 | 5.2  | 3.8 | 4.3 | 4.3  |
| LSD VALUE             | 0.6 | 0.8 | 1.1  | 1.1  | 0.4 | 0.7 | 0.9 | 0.7 | 0.9  | 0.6 | 0.9 | 0.4 | 0.4 | 1.1  | 0.5 | 0.5 | 0.2  |
| C.V. (%)              | 6.1 | 7.8 | 13.1 | 11.5 | 3.8 | 7.6 | 9.0 | 8.2 | 10.3 | 5.9 | 9.4 | 6.4 | 3.5 | 11.1 | 5.8 | 5.8 | 8.3  |

\* COMMERCIALY AVAILABLE IN THE USA IN 1998.

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

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

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS FOR EACH MONTH GROWN  
ON A GREEN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/  
1997 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/ |      |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------------------------------------------|------|-----|------|------|------|------|------|------|------|------|------|------|------|
| NAME                                                   | JAN  | FEB | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | MEAN |
| PENN A-1 (A-1)                                         | 7.3  | 6.3 | 6.4  | 5.9  | 6.6  | 6.6  | 6.6  | 6.8  | 7.2  | 6.8  | 6.4  | 5.8  | 6.6  |
| LOFTS L-93 (L-93)                                      | 7.3  | 6.0 | 7.1  | 6.2  | 6.3  | 6.8  | 6.7  | 6.8  | 6.9  | 6.6  | 6.4  | 5.7  | 6.6  |
| PENN A-4 (A-4)                                         | 7.3  | 6.8 | 6.3  | 5.8  | 6.2  | 6.6  | 6.7  | 6.8  | 6.8  | 6.6  | 6.3  | 6.8  | 6.5  |
| PENN G-2 (G-2)                                         | 6.8  | 6.2 | 6.3  | 5.6  | 6.2  | 6.5  | 6.4  | 6.2  | 6.8  | 6.8  | 6.3  | 6.8  | 6.4  |
| PENN G-6 (G-6)                                         | 6.5  | 5.8 | 6.0  | 5.7  | 6.1  | 6.7  | 6.4  | 6.5  | 6.7  | 6.6  | 6.2  | 6.1  | 6.4  |
| CATO                                                   | 7.2  | 6.3 | 6.4  | 5.9  | 6.3  | 6.4  | 6.3  | 6.5  | 6.5  | 6.1  | 6.0  | 5.6  | 6.2  |
| PROVIDENCE                                             | 7.5  | 6.0 | 6.8  | 5.7  | 6.2  | 6.3  | 6.1  | 6.4  | 6.3  | 6.1  | 5.9  | 5.9  | 6.2  |
| SOUTHSHORE                                             | 6.3  | 6.8 | 6.6  | 5.7  | 6.0  | 6.3  | 6.2  | 6.3  | 6.1  | 6.0  | 5.7  | 5.6  | 6.0  |
| IMPERIAL (SYN 92-5)                                    | 6.8  | 6.5 | 6.3  | 5.7  | 5.9  | 6.1  | 6.4  | 6.3  | 6.0  | 5.8  | 5.3  | 5.1  | 5.9  |
| SR 1020                                                | 6.8  | 6.7 | 6.6  | 5.6  | 5.7  | 6.1  | 6.3  | 6.1  | 5.8  | 5.8  | 5.9  | 5.9  | 5.9  |
| CENTURY (SYN 92-1)                                     | 6.7  | 6.8 | 6.6  | 5.4  | 5.9  | 6.2  | 6.2  | 6.1  | 6.0  | 5.6  | 5.3  | 5.1  | 5.9  |
| REGENT                                                 | 6.7  | 6.7 | 6.2  | 5.4  | 5.7  | 5.9  | 6.1  | 6.1  | 6.0  | 6.0  | 6.0  | 5.3  | 5.9  |
| BAR WS 42102                                           | 6.5  | 6.0 | 5.6  | 5.4  | 6.0  | 6.2  | 6.0  | 6.0  | 6.0  | 5.8  | 5.1  | 5.0  | 5.9  |
| PENNLINKS                                              | 5.7  | 6.2 | 6.2  | 5.2  | 5.6  | 5.9  | 5.9  | 6.1  | 6.1  | 5.8  | 5.4  | 5.1  | 5.8  |
| CRENSHAW                                               | 6.8  | 5.2 | 5.7  | 5.3  | 5.7  | 6.2  | 6.2  | 6.4  | 6.0  | 5.6  | 5.3  | 4.4  | 5.8  |
| ISI-AP-89150                                           | 6.5  | 6.7 | 6.3  | 5.2  | 5.6  | 5.9  | 6.0  | 6.1  | 6.0  | 5.9  | 5.4  | 5.2  | 5.8  |
| DG-P                                                   | 5.7  | 5.8 | 6.2  | 5.4  | 5.5  | 6.0  | 6.1  | 6.1  | 5.8  | 5.6  | 5.8  | 5.3  | 5.8  |
| MSUEB                                                  | 5.5  | 5.8 | 6.3  | 4.9  | 5.6  | 5.8  | 5.9  | 6.0  | 6.0  | 5.8  | 5.8  | 5.1  | 5.7  |
| BACKSPIN (SYN 92-2)                                    | 7.2  | 6.0 | 6.1  | 5.5  | 5.6  | 5.9  | 6.1  | 5.9  | 5.7  | 5.6  | 5.0  | 4.7  | 5.7  |
| TRUELINE                                               | 5.8  | 6.3 | 6.3  | 5.2  | 5.5  | 5.7  | 5.8  | 6.0  | 5.7  | 5.6  | 5.6  | 4.8  | 5.6  |
| PRO/CUP                                                | 5.8  | 6.5 | 6.3  | 5.2  | 5.3  | 5.6  | 5.8  | 5.9  | 5.6  | 5.5  | 5.4  | 4.9  | 5.5  |
| LOPEZ                                                  | 6.7  | 6.3 | 6.2  | 5.1  | 5.3  | 5.5  | 5.6  | 5.8  | 5.7  | 5.5  | 5.0  | 5.2  | 5.5  |
| MARINER (SYN-1-88)                                     | 5.8  | 6.7 | 6.3  | 5.1  | 5.3  | 5.4  | 5.2  | 5.5  | 5.6  | 5.6  | 5.4  | 5.1  | 5.4  |
| PENNCROSS                                              | 5.3  | 5.7 | 6.2  | 5.1  | 5.1  | 5.1  | 5.2  | 5.5  | 5.4  | 5.3  | 5.4  | 4.4  | 5.2  |
| 18TH GREEN                                             | 5.7  | 6.0 | 6.0  | 5.0  | 5.2  | 5.0  | 5.3  | 5.4  | 5.1  | 4.9  | 4.4  | 4.9  | 5.1  |
| BAR AS 492                                             | 5.5  | 5.8 | 4.8  | 4.4  | 4.7  | 4.8  | 4.6  | 5.2  | 5.0  | 4.9  | 5.1  | 5.3  | 4.8  |
| TENDENZ                                                | 6.0  | 5.7 | 4.7  | 4.3  | 4.4  | 4.5  | 4.6  | 4.8  | 4.9  | 4.9  | 4.8  | 5.5  | 4.6  |
| SEASIDE                                                | 5.5  | 5.7 | 5.2  | 3.9  | 4.3  | 4.5  | 4.1  | 4.6  | 4.6  | 4.4  | 4.3  | 4.8  | 4.3  |
| LSD VALUE                                              | 1.2  | 0.7 | 0.8  | 0.7  | 0.5  | 0.5  | 0.5  | 0.5  | 0.6  | 0.5  | 0.6  | 1.2  | 0.4  |
| C.V. (%)                                               | 17.0 | 9.8 | 14.2 | 24.7 | 23.0 | 22.1 | 21.6 | 22.2 | 23.1 | 23.0 | 21.5 | 23.2 | 15.8 |

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 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN  
ON GREEN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/  
1997 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING 2/

| NAME                | AZ1  | IA1  | IL1  | IL2  | KY1  | MA1  | MI1  | MN1  | NJ1  | OK1  | QE1  | RI1  | TX1  | WA1  | WI1  | WI2  | MEAN |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| PENN A-1 (A-1)      | 2.0  | 5.0  | 5.5  | 3.0  | 2.5  | 14.0 | 2.0  | 2.0  | 2.0  | 1.0  | 10.5 | 2.0  | 3.0  | 2.0  | 3.0  | 3.0  | 1    |
| LOFTS L-93 (L-93)   | 4.0  | 10.5 | 5.5  | 1.0  | 1.0  | 1.0  | 1.0  | 7.5  | 1.0  | 4.0  | 6.0  | 1.0  | 15.0 | 9.0  | 5.0  | 1.0  | 2    |
| PENN A-4 (A-4)      | 1.0  | 1.0  | 11.0 | 12.5 | 2.5  | 18.0 | 3.0  | 1.0  | 4.5  | 3.0  | 23.5 | 5.0  | 11.0 | 1.0  | 4.0  | 7.0  | 3    |
| PENN G-2 (G-2)      | 6.0  | 3.0  | 1.0  | 18.0 | 8.0  | 4.0  | 6.5  | 4.5  | 3.0  | 6.0  | 4.5  | 3.0  | 18.5 | 21.0 | 2.0  | 2.0  | 4    |
| PENN G-6 (G-6)      | 9.0  | 7.0  | 4.0  | 5.0  | 6.0  | 9.5  | 11.5 | 3.0  | 4.5  | 2.0  | 14.0 | 4.0  | 4.0  | 12.5 | 1.0  | 4.5  | 5    |
| CATO                | 3.0  | 10.5 | 15.0 | 4.0  | 11.0 | 12.0 | 5.0  | 4.5  | 6.0  | 14.0 | 1.0  | 9.0  | 23.5 | 10.5 | 9.5  | 6.0  | 6    |
| PROVIDENCE          | 7.0  | 16.5 | 3.0  | 12.5 | 9.5  | 5.5  | 6.5  | 22.5 | 8.0  | 11.5 | 19.5 | 7.5  | 11.0 | 4.0  | 6.0  | 4.5  | 7    |
| SOUTHSHORE          | 13.0 | 24.0 | 11.0 | 15.5 | 14.5 | 11.0 | 13.0 | 7.5  | 7.0  | 9.0  | 4.5  | 10.0 | 1.5  | 14.0 | 7.0  | 10.5 | 8    |
| IMPERIAL (SYN 92-5) | 10.0 | 4.0  | 24.0 | 15.5 | 7.0  | 2.0  | 11.5 | 10.0 | 9.0  | 11.5 | 10.5 | 13.0 | 17.0 | 23.0 | 17.0 | 19.0 | 9    |
| SR 1020             | 5.0  | 8.5  | 7.0  | 6.5  | 14.5 | 19.0 | 14.0 | 12.0 | 19.0 | 16.5 | 10.5 | 20.0 | 11.0 | 15.5 | 11.0 | 16.5 | 10   |
| CENTURY (SYN 92-1)  | 11.5 | 2.0  | 8.5  | 6.5  | 23.0 | 9.5  | 20.0 | 19.0 | 10.5 | 16.5 | 21.5 | 15.0 | 11.0 | 17.5 | 13.5 | 14.0 | 11   |
| REGENT              | 11.5 | 14.5 | 22.0 | 2.0  | 17.5 | 7.5  | 15.0 | 19.0 | 13.0 | 22.0 | 15.5 | 19.0 | 1.5  | 7.5  | 8.0  | 9.0  | 12   |
| BAR WS 42102        | 16.0 | 12.0 | 11.0 | 20.0 | 12.5 | 3.0  | 8.0  | 13.5 | 10.5 | 18.0 | 13.0 | 14.0 | 20.0 | 3.0  | 13.5 | 15.0 | 13   |
| PENNLINKS           | 18.0 | 13.0 | 2.0  | 23.0 | 12.5 | 13.0 | 4.0  | 15.5 | 15.0 | 11.5 | 26.0 | 7.5  | 23.5 | 22.0 | 9.5  | 8.0  | 14   |
| CRENSHAW            | 8.0  | 6.0  | 18.0 | 9.5  | 19.0 | 15.0 | 26.0 | 7.5  | 14.0 | 5.0  | 17.5 | 25.0 | 25.0 | 6.0  | 21.5 | 10.5 | 15   |
| ISI-AP-89150        | 17.0 | 21.0 | 19.0 | 12.5 | 5.0  | 16.5 | 10.0 | 15.5 | 17.0 | 21.0 | 15.5 | 11.0 | 7.0  | 17.5 | 17.0 | 21.0 | 16   |
| DG-P                | 22.0 | 18.0 | 23.0 | 8.0  | 4.0  | 7.5  | 25.0 | 22.5 | 18.0 | 20.0 | 17.5 | 6.0  | 18.5 | 7.5  | 13.5 | 16.5 | 17   |
| MSUEB               | 21.0 | 25.0 | 17.0 | 19.0 | 9.5  | 5.5  | 9.0  | 17.0 | 12.0 | 19.0 | 7.0  | 12.0 | 26.0 | 20.0 | 13.5 | 13.0 | 18   |
| BACKSPIN (SYN 92-2) | 14.0 | 8.5  | 20.0 | 9.5  | 16.0 | 21.0 | 17.0 | 13.5 | 16.0 | 15.0 | 8.0  | 16.0 | 28.0 | 25.5 | 23.0 | 25.5 | 19   |
| TRUELINE            | 23.0 | 20.0 | 15.0 | 17.0 | 24.0 | 16.5 | 17.0 | 7.5  | 21.0 | 11.5 | 3.0  | 17.5 | 21.5 | 12.5 | 17.0 | 19.0 | 20   |
| PRO/CUP             | 19.5 | 16.5 | 8.5  | 12.5 | 17.5 | 22.0 | 19.0 | 19.0 | 20.0 | 7.5  | 28.0 | 21.0 | 8.0  | 10.5 | 21.5 | 12.0 | 21   |
| LOPEZ               | 15.0 | 19.0 | 13.0 | 26.0 | 22.0 | 23.0 | 21.0 | 11.0 | 22.0 | 7.5  | 25.0 | 17.5 | 14.0 | 5.0  | 19.5 | 22.0 | 22   |
| MARINER (SYN-1-88)  | 19.5 | 22.0 | 21.0 | 22.0 | 20.5 | 20.0 | 22.0 | 24.5 | 23.0 | 23.0 | 2.0  | 23.0 | 5.5  | 24.0 | 25.5 | 24.0 | 23   |
| PENNCROSS           | 26.0 | 23.0 | 15.0 | 24.0 | 20.5 | 25.0 | 17.0 | 24.5 | 25.0 | 25.0 | 23.5 | 24.0 | 27.0 | 19.0 | 19.5 | 19.0 | 24   |
| 18TH GREEN          | 24.0 | 14.5 | 26.0 | 25.0 | 25.0 | 24.0 | 27.0 | 27.0 | 24.0 | 24.0 | 10.5 | 27.0 | 5.5  | 15.5 | 25.5 | 25.5 | 25   |
| BAR AS 492          | 27.0 | 26.0 | 25.0 | 27.0 | 26.0 | 27.0 | 24.0 | 21.0 | 26.0 | .    | 19.5 | 22.0 | 21.5 | 25.5 | 24.0 | 23.0 | 26   |
| TENDENZ             | 25.0 | 28.0 | 28.0 | 21.0 | 28.0 | 28.0 | 23.0 | .    | 28.0 | .    | 21.5 | 26.0 | 11.0 | 27.0 | 27.0 | 28.0 | 27   |
| SEASIDE             | 28.0 | 27.0 | 27.0 | 28.0 | 27.0 | 26.0 | 28.0 | 26.0 | 27.0 | 26.0 | 27.0 | 28.0 | 16.0 | 28.0 | 28.0 | 27.0 | 28   |

1/ THIS TABLE CONTAINS NO STATISTICAL VALUES (LSD VALUES) THEREFORE IT SHOULD ONLY BE USED TO DETERMINE THE GENERAL PERFORMANCE OF AN ENTRY OR ENTRIES ACROSS SEVERAL LOCATIONS OR REGIONS. TO ASSESS STATISTICAL DIFFERENCES AMONG ENTRIES, REFER TO THE MEANS AND LSD VALUES FOUND IN TABLE 1.

2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 4.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

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

| NAME                | AZ1 | IA1  | IL2  | KY1 | MI1  | MN1  | NJ1  | OK1 | QE1 | RI1 | TX1 | WA1 | WI1  | WI2  | MEAN |
|---------------------|-----|------|------|-----|------|------|------|-----|-----|-----|-----|-----|------|------|------|
| LOFTS L-93 (L-93)   | 7.7 | 7.0  | 9.0  | 8.0 | 6.7  | 6.7  | 7.3  | 9.0 | 7.7 | 7.7 | 7.3 | 7.3 | 4.7  | 6.0  | 7.3  |
| CRENSHAW            | 7.3 | 7.3  | 8.7  | 8.0 | 6.3  | 7.0  | 8.3  | 8.7 | 7.3 | 6.7 | 7.7 | 8.0 | 4.3  | 5.3  | 7.2  |
| 18TH GREEN          | 6.0 | 7.3  | 5.0  | 6.0 | 5.7  | 6.0  | 8.7  | 9.0 | 9.0 | 8.3 | 7.3 | 8.3 | 5.3  | 7.0  | 7.1  |
| PENN A-4 (A-4)      | 8.0 | 7.7  | 5.7  | 7.3 | 6.7  | 6.3  | 6.7  | 8.3 | 7.0 | 6.3 | 7.7 | 8.0 | 4.7  | 5.7  | 6.9  |
| CATO                | 6.7 | 7.7  | 5.0  | 7.3 | 6.0  | 6.3  | 7.0  | 8.7 | 8.0 | 7.3 | 7.3 | 8.3 | 4.3  | 5.7  | 6.8  |
| PROVIDENCE          | 6.7 | 7.7  | 5.0  | 7.0 | 6.7  | 6.0  | 6.3  | 8.7 | 6.7 | 7.7 | 7.7 | 8.3 | 4.7  | 6.0  | 6.8  |
| PENN G-6 (G-6)      | 6.3 | 7.0  | 7.7  | 8.3 | 6.3  | 6.0  | 5.7  | 8.0 | 7.7 | 7.3 | 7.3 | 7.0 | 5.0  | 5.3  | 6.8  |
| PENN A-1 (A-1)      | 6.3 | 7.3  | 5.0  | 7.7 | 6.3  | 6.0  | 7.0  | 8.3 | 7.0 | 6.7 | 7.7 | 7.3 | 5.0  | 6.0  | 6.7  |
| ISI-AP-89150        | 6.0 | 6.7  | 7.7  | 7.3 | 6.3  | 6.0  | 5.7  | 8.3 | 7.3 | 6.7 | 7.7 | 7.3 | 4.7  | 5.3  | 6.6  |
| REGENT              | 6.3 | 6.0  | 8.0  | 7.0 | 6.0  | 5.7  | 7.0  | 8.3 | 6.7 | 5.3 | 7.3 | 7.7 | 4.7  | 5.7  | 6.5  |
| PENN G-2 (G-2)      | 5.3 | 6.7  | 7.0  | 8.3 | 7.0  | 5.7  | 3.7  | 7.3 | 7.0 | 7.0 | 7.7 | 7.3 | 5.3  | 6.3  | 6.5  |
| SR 1020             | 7.0 | 6.3  | 7.0  | 7.7 | 6.0  | 5.3  | 5.0  | 8.3 | 7.0 | 6.0 | 7.7 | 7.7 | 4.7  | 5.3  | 6.5  |
| SOUTHSHORE          | 5.7 | 6.3  | 5.0  | 7.3 | 6.3  | 5.7  | 6.0  | 8.7 | 7.3 | 7.0 | 7.7 | 7.3 | 5.0  | 5.7  | 6.5  |
| DG-P                | 6.3 | 6.7  | 6.3  | 7.0 | 6.0  | 5.7  | 5.0  | 8.3 | 7.3 | 5.7 | 7.3 | 8.0 | 4.3  | 5.3  | 6.4  |
| TRUELINE            | 5.3 | 6.3  | 8.0  | 7.0 | 5.7  | 5.7  | 5.3  | 8.3 | 7.3 | 5.0 | 7.7 | 8.0 | 4.3  | 5.0  | 6.4  |
| MSUEB               | 5.7 | 5.7  | 7.0  | 7.7 | 6.3  | 5.3  | 4.7  | 8.0 | 7.0 | 4.7 | 7.7 | 7.7 | 4.0  | 5.7  | 6.2  |
| PENNLINKS           | 5.0 | 6.3  | 6.7  | 8.0 | 6.3  | 6.0  | 4.3  | 7.3 | 6.3 | 5.0 | 7.7 | 7.7 | 4.7  | 5.0  | 6.2  |
| IMPERIAL (SYN 92-5) | 6.0 | 7.0  | 4.0  | 7.0 | 5.3  | 5.7  | 5.7  | 7.7 | 6.7 | 6.3 | 7.7 | 7.3 | 5.0  | 4.7  | 6.1  |
| PRO/CUP             | 5.7 | 6.7  | 5.3  | 7.0 | 5.3  | 5.7  | 4.7  | 8.3 | 6.3 | 5.7 | 7.0 | 7.7 | 4.3  | 5.0  | 6.0  |
| BAR WS 42102        | 6.0 | 6.3  | 4.3  | 6.7 | 6.0  | 6.0  | 3.7  | 8.3 | 5.0 | 6.0 | 7.0 | 7.7 | 5.0  | 6.0  | 6.0  |
| CENTURY (SYN 92-1)  | 6.0 | 6.3  | 3.0  | 6.7 | 6.0  | 5.3  | 4.0  | 8.3 | 6.3 | 6.7 | 7.7 | 7.0 | 5.0  | 5.3  | 6.0  |
| PENNCROSS           | 5.7 | 6.0  | 6.0  | 8.0 | 6.0  | 5.0  | 4.0  | 8.3 | 5.3 | 5.0 | 7.3 | 8.0 | 4.0  | 4.7  | 6.0  |
| BACKSPIN (SYN 92-2) | 5.0 | 6.7  | 4.3  | 7.3 | 5.7  | 5.7  | 3.3  | 7.7 | 6.7 | 6.0 | 7.0 | 7.3 | 4.3  | 5.3  | 5.9  |
| LOPEZ               | 5.3 | 6.0  | 4.0  | 7.3 | 5.3  | 6.0  | 4.0  | 8.7 | 6.0 | 5.7 | 7.3 | 8.0 | 4.3  | 4.3  | 5.9  |
| MARINER (SYN-1-88)  | 5.0 | 6.3  | 3.3  | 7.3 | 5.3  | 6.0  | 4.3  | 8.0 | 6.3 | 5.3 | 7.3 | 7.3 | 4.7  | 5.0  | 5.8  |
| BAR AS 492          | 5.3 | 6.0  | 8.0  | 7.0 | 5.3  | 5.3  | 3.3  | .   | 6.7 | 3.7 | 7.3 | 7.0 | 4.7  | 6.0  | 5.8  |
| TENDENZ             | 5.7 | 5.7  | 5.0  | 7.3 | 6.0  | .    | .    | .   | 7.0 | 3.3 | 7.0 | 7.3 | 4.3  | 4.7  | 5.8  |
| SEASIDE             | 5.3 | 5.7  | 4.0  | 6.0 | 4.7  | 5.3  | 3.7  | 8.0 | 6.0 | 3.0 | 8.0 | 7.3 | 3.7  | 5.0  | 5.4  |
| LSD VALUE           | 0.9 | 1.2  | 1.8  | 0.8 | 1.3  | 1.0  | 1.3  | 1.0 | 1.0 | 0.8 | 0.8 | 0.8 | 0.9  | 1.1  | 0.3  |
| C.V. (%)            | 8.9 | 11.5 | 19.1 | 6.8 | 12.9 | 11.1 | 15.7 | 7.7 | 9.0 | 8.6 | 7.0 | 6.7 | 12.8 | 12.8 | 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 5.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

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

| NAME                | AZ1 | IA1  | IL1  | KY1 | MA1  | MI1  | MN1  | NJ1  | OK1  | RI1  | WA1  | MEAN |
|---------------------|-----|------|------|-----|------|------|------|------|------|------|------|------|
| LOFTS L-93 (L-93)   | 7.3 | 6.7  | 6.3  | 8.0 | 5.3  | 6.0  | 5.3  | 5.7  | 6.0  | 4.7  | 5.3  | 6.1  |
| SOUTHSHORE          | 6.3 | 6.0  | 5.7  | 7.3 | 5.3  | 5.7  | 6.0  | 6.7  | 5.3  | 5.0  | 6.3  | 6.0  |
| PENN G-6 (G-6)      | 7.0 | 6.3  | 6.3  | 7.0 | 5.0  | 5.3  | 5.7  | 6.0  | 5.0  | 4.7  | 5.7  | 5.8  |
| IMPERIAL (SYN 92-5) | 6.0 | 6.7  | 5.7  | 8.0 | 6.3  | 6.3  | 5.0  | 4.7  | 5.0  | 5.7  | 4.3  | 5.8  |
| PROVIDENCE          | 7.0 | 6.3  | 6.0  | 7.3 | 5.3  | 6.0  | 4.7  | 6.3  | 5.3  | 4.3  | 4.7  | 5.8  |
| REGENT              | 6.0 | 6.3  | 6.0  | 7.0 | 6.0  | 5.7  | 5.0  | 6.0  | 5.3  | 4.7  | 5.3  | 5.8  |
| TENDENZ             | 7.0 | 5.7  | 5.7  | 6.0 | 6.7  | 5.7  | .    | 5.0  | .    | 5.0  | 5.0  | 5.7  |
| ISI-AP-89150        | 7.0 | 6.0  | 6.3  | 7.7 | 4.7  | 6.3  | 4.7  | 4.7  | 5.0  | 4.3  | 6.0  | 5.7  |
| BACKSPIN (SYN 92-2) | 5.7 | 5.0  | 6.3  | 7.3 | 5.7  | 5.0  | 5.7  | 4.3  | 4.7  | 7.3  | 4.7  | 5.6  |
| PENN A-1 (A-1)      | 6.3 | 6.3  | 6.0  | 7.0 | 5.0  | 5.0  | 4.3  | 6.0  | 5.0  | 5.0  | 5.3  | 5.6  |
| CENTURY (SYN 92-1)  | 6.7 | 6.0  | 4.7  | 6.7 | 5.0  | 5.5  | 5.0  | 6.7  | 5.3  | 4.3  | 5.0  | 5.5  |
| DG-P                | 6.7 | 5.3  | 5.3  | 8.0 | 5.3  | 6.3  | 5.3  | 3.7  | 5.3  | 4.0  | 5.3  | 5.5  |
| PENN A-4 (A-4)      | 7.7 | 6.0  | 5.7  | 7.0 | 5.7  | 4.3  | 4.7  | 4.0  | 7.0  | 4.3  | 4.3  | 5.5  |
| PENN G-2 (G-2)      | 5.3 | 6.7  | 5.7  | 7.0 | 4.7  | 5.0  | 5.0  | 7.3  | 5.3  | 3.7  | 5.0  | 5.5  |
| MSUEB               | 6.7 | 6.0  | 5.3  | 7.0 | 5.3  | 6.3  | 4.7  | 4.3  | 5.0  | 4.3  | 5.7  | 5.5  |
| CRENSHAW            | 7.3 | 6.7  | 5.3  | 6.7 | 6.0  | 5.0  | 5.0  | 5.0  | 4.0  | 4.0  | 4.7  | 5.4  |
| BAR AS 492          | 6.7 | 6.7  | 5.0  | 4.0 | 5.0  | 5.0  | 5.3  | 7.3  | .    | 3.7  | 4.7  | 5.3  |
| CATO                | 6.3 | 6.0  | 5.3  | 6.3 | 5.7  | 5.7  | 5.3  | 3.7  | 4.7  | 4.3  | 5.3  | 5.3  |
| PENNCROSS           | 6.0 | 6.0  | 5.7  | 7.3 | 5.3  | 5.7  | 5.3  | 3.0  | 5.0  | 3.3  | 5.7  | 5.3  |
| PENNLINKS           | 5.3 | 6.3  | 5.3  | 7.0 | 4.7  | 5.3  | 5.0  | 4.7  | 5.3  | 4.3  | 4.7  | 5.3  |
| LOPEZ               | 6.3 | 5.7  | 5.3  | 7.0 | 5.3  | 5.7  | 5.3  | 2.0  | 4.7  | 4.3  | 5.0  | 5.2  |
| PRO/CUP             | 6.0 | 6.0  | 6.0  | 6.3 | 5.3  | 5.0  | 5.0  | 3.3  | 4.3  | 3.7  | 5.7  | 5.2  |
| MARINER (SYN-1-88)  | 5.0 | 6.3  | 6.0  | 6.0 | 4.3  | 5.7  | 4.7  | 3.7  | 5.0  | 4.0  | 5.7  | 5.1  |
| BAR WS 42102        | 7.0 | 6.0  | 5.0  | 7.3 | 4.3  | 6.0  | 5.3  | 4.3  | 4.0  | 2.0  | 4.7  | 5.1  |
| SR 1020             | 6.3 | 6.3  | 4.3  | 7.0 | 5.0  | 5.0  | 4.3  | 4.0  | 5.0  | 4.0  | 4.7  | 5.1  |
| TRUELINE            | 6.0 | 6.3  | 5.7  | 8.0 | 4.7  | 5.3  | 4.7  | 1.7  | 4.7  | 3.3  | 5.3  | 5.1  |
| 18TH GREEN          | 6.3 | 6.3  | 4.0  | 6.0 | 3.7  | 6.7  | 5.3  | 4.3  | 4.0  | 2.0  | 5.3  | 4.9  |
| SEASIDE             | 6.0 | 5.7  | 6.0  | 5.0 | 4.7  | 5.3  | 5.0  | 3.0  | 4.0  | 5.0  | 4.0  | 4.9  |
| LSD VALUE           | 0.9 | 1.2  | 1.2  | 0.6 | 1.3  | 1.2  | 1.2  | 2.3  | 0.8  | 0.7  | 1.5  | 0.4  |
| C.V. (%)            | 9.0 | 11.9 | 13.7 | 5.7 | 15.0 | 13.7 | 14.2 | 30.7 | 10.4 | 10.9 | 18.2 | 14.4 |

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 6.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

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

| NAME                | AZ1 | IA1 | IL2  | KY1 | MI1 | MN1  | OK1 | QE1 | RI1 | TX1 | WA1 | MEAN |
|---------------------|-----|-----|------|-----|-----|------|-----|-----|-----|-----|-----|------|
| PENN A-4 (A-4)      | 7.7 | 7.7 | 8.0  | 8.3 | 5.7 | 7.7  | 9.0 | 7.0 | 8.0 | 8.0 | 8.0 | 7.7  |
| PENN G-2 (G-2)      | 7.7 | 7.7 | 7.0  | 8.0 | 6.0 | 7.0  | 8.7 | 6.3 | 8.3 | 8.7 | 8.0 | 7.6  |
| PENN A-1 (A-1)      | 7.7 | 7.7 | 8.0  | 8.7 | 5.0 | 7.0  | 9.0 | 6.0 | 7.7 | 8.3 | 8.0 | 7.5  |
| CENTURY (SYN 92-1)  | 7.7 | 7.3 | 9.0  | 7.3 | 5.5 | 5.7  | 8.3 | 6.3 | 6.7 | 8.7 | 8.0 | 7.3  |
| SOUTHSHORE          | 6.7 | 6.7 | 8.7  | 9.0 | 5.3 | 6.7  | 7.7 | 6.0 | 7.3 | 8.3 | 8.0 | 7.3  |
| BAR WS 42102        | 7.7 | 7.0 | 6.3  | 8.3 | 5.7 | 6.7  | 7.7 | 6.7 | 7.3 | 8.7 | 8.0 | 7.3  |
| CRENSHAW            | 7.3 | 7.3 | 8.7  | 8.3 | 5.0 | 6.0  | 8.3 | 6.0 | 6.3 | 8.7 | 7.7 | 7.2  |
| PENN G-6 (G-6)      | 6.7 | 6.7 | 7.7  | 7.7 | 5.3 | 6.3  | 8.7 | 6.0 | 8.0 | 8.7 | 8.0 | 7.2  |
| CATO                | 7.0 | 7.0 | 8.0  | 8.0 | 5.3 | 5.3  | 7.7 | 7.0 | 7.3 | 8.3 | 8.0 | 7.2  |
| LOFTS L-93 (L-93)   | 7.3 | 6.7 | 7.0  | 8.0 | 5.0 | 5.7  | 8.3 | 6.7 | 7.3 | 8.7 | 8.0 | 7.2  |
| BACKSPIN (SYN 92-2) | 7.0 | 7.0 | 8.7  | 7.7 | 5.0 | 5.7  | 7.7 | 6.3 | 7.3 | 8.0 | 8.0 | 7.1  |
| SR 1020             | 7.0 | 6.7 | 8.3  | 7.3 | 5.0 | 6.0  | 7.3 | 6.7 | 6.7 | 8.0 | 7.7 | 7.0  |
| PROVIDENCE          | 7.0 | 6.0 | 7.7  | 8.0 | 5.3 | 5.3  | 8.0 | 6.3 | 7.0 | 7.7 | 7.7 | 6.9  |
| IMPERIAL (SYN 92-5) | 7.3 | 7.0 | 6.7  | 7.0 | 5.0 | 6.0  | 8.0 | 6.3 | 7.0 | 7.7 | 8.0 | 6.9  |
| MARINER (SYN-1-88)  | 6.0 | 6.0 | 8.0  | 9.0 | 5.0 | 5.7  | 7.7 | 6.7 | 7.0 | 8.0 | 7.0 | 6.9  |
| PRO/CUP             | 6.0 | 6.3 | 8.0  | 8.0 | 5.0 | 5.7  | 7.7 | 6.0 | 6.7 | 7.7 | 7.3 | 6.8  |
| ISI-AP-89150        | 6.3 | 6.0 | 8.0  | 8.0 | 5.0 | 5.3  | 8.0 | 6.0 | 5.7 | 7.3 | 8.0 | 6.7  |
| PENNLINKS           | 6.7 | 6.0 | 7.0  | 7.0 | 5.0 | 5.7  | 8.0 | 6.0 | 6.7 | 8.3 | 7.3 | 6.7  |
| DG-P                | 5.7 | 6.3 | 6.3  | 7.0 | 5.0 | 6.0  | 7.3 | 5.7 | 7.0 | 8.7 | 8.0 | 6.6  |
| TRUELINE            | 5.7 | 6.0 | 8.0  | 8.0 | 5.0 | 6.0  | 7.3 | 5.3 | 6.3 | 7.3 | 7.3 | 6.6  |
| REGENT              | 6.3 | 6.0 | 7.0  | 6.0 | 5.0 | 5.3  | 8.3 | 6.0 | 6.3 | 8.0 | 7.3 | 6.5  |
| LOPEZ               | 5.7 | 6.0 | 5.0  | 8.0 | 5.0 | 5.7  | 8.0 | 6.0 | 6.7 | 7.3 | 7.3 | 6.4  |
| MSUEB               | 6.0 | 6.0 | 4.3  | 8.0 | 5.3 | 5.3  | 7.3 | 6.0 | 6.7 | 7.7 | 7.7 | 6.4  |
| 18TH GREEN          | 6.0 | 5.7 | 7.0  | 6.3 | 4.3 | 4.7  | 7.3 | 6.0 | 7.0 | 7.7 | 7.7 | 6.3  |
| BAR AS 492          | 6.0 | 6.0 | 4.0  | 8.0 | 4.7 | 5.7  | .   | 6.0 | 7.0 | 7.7 | 8.0 | 6.3  |
| TENDENZ             | 6.3 | 5.7 | 5.0  | 7.0 | 4.0 | .    | .   | 5.3 | 5.3 | 8.7 | 8.0 | 6.1  |
| SEASIDE             | 5.3 | 5.3 | 4.0  | 5.7 | 5.0 | 6.0  | 7.0 | 5.3 | 5.3 | 8.3 | 7.7 | 5.9  |
| PENNCROSS           | 6.3 | 5.7 | 3.0  | 7.7 | 5.0 | 5.3  | 6.7 | 5.0 | 5.0 | 8.0 | 7.0 | 5.9  |
| LSD VALUE           | 0.8 | 0.9 | 2.1  | 0.7 | 0.6 | 0.9  | 1.1 | 0.7 | 0.8 | 0.9 | 0.6 | 0.3  |
| C.V. (%)            | 7.2 | 8.3 | 18.5 | 5.8 | 6.8 | 10.0 | 9.0 | 7.1 | 7.0 | 7.1 | 4.7 | 9.0  |

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

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

TABLE 7. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

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

| NAME                | AZ1 | MN1  | OK1 | QE1  | MEAN |
|---------------------|-----|------|-----|------|------|
| LOFTS L-93 (L-93)   | 7.7 | 6.3  | 9.0 | 5.7  | 7.2  |
| SR 1020             | 8.0 | 6.0  | 8.7 | 5.3  | 7.0  |
| PENN A-1 (A-1)      | 7.7 | 6.3  | 9.0 | 4.7  | 6.9  |
| CATO                | 7.3 | 5.7  | 9.0 | 5.3  | 6.8  |
| PENN G-2 (G-2)      | 7.3 | 6.7  | 8.7 | 4.7  | 6.8  |
| BAR WS 42102        | 8.0 | 5.7  | 8.7 | 4.7  | 6.8  |
| IMPERIAL (SYN 92-5) | 7.7 | 5.7  | 9.0 | 4.7  | 6.8  |
| PROVIDENCE          | 7.0 | 5.7  | 9.0 | 5.3  | 6.8  |
| TRUELINE            | 7.0 | 5.7  | 8.7 | 5.3  | 6.7  |
| BACKSPIN (SYN 92-2) | 7.3 | 5.0  | 9.0 | 5.3  | 6.7  |
| MARINER (SYN-1-88)  | 7.3 | 5.3  | 8.7 | 5.3  | 6.7  |
| CRENSHAW            | 7.7 | 5.7  | 9.0 | 4.0  | 6.6  |
| PENNCROSS           | 6.3 | 5.0  | 8.0 | 6.7  | 6.5  |
| TENDENZ             | 6.7 | .    | .   | 6.3  | 6.5  |
| SOUTHSHORE          | 7.3 | 5.3  | 9.0 | 4.3  | 6.5  |
| MSUEB               | 7.0 | 5.0  | 8.7 | 5.0  | 6.4  |
| CENTURY (SYN 92-1)  | 7.3 | 5.3  | 9.0 | 3.7  | 6.3  |
| PENN A-4 (A-4)      | 7.7 | 5.3  | 9.0 | 3.3  | 6.3  |
| PENN G-6 (G-6)      | 6.3 | 6.3  | 9.0 | 3.7  | 6.3  |
| REGENT              | 6.7 | 5.3  | 8.3 | 4.7  | 6.3  |
| 18TH GREEN          | 6.3 | 5.0  | 8.7 | 5.0  | 6.3  |
| DG-P                | 6.3 | 5.3  | 8.3 | 4.7  | 6.2  |
| LOPEZ               | 7.0 | 5.3  | 9.0 | 3.0  | 6.1  |
| PENNLINKS           | 6.3 | 4.7  | 9.0 | 4.3  | 6.1  |
| ISI-AP-89150        | 6.7 | 5.3  | 8.3 | 3.7  | 6.0  |
| SEASIDE             | 5.7 | 5.7  | 6.7 | 5.0  | 5.8  |
| PRO/CUP             | 7.0 | 4.3  | 9.0 | 2.3  | 5.7  |
| BAR AS 492          | 6.7 | 5.7  | .   | 4.3  | 5.6  |
| LSD VALUE           | 1.0 | 1.3  | 0.6 | 1.6  | 0.6  |
| C.V. (%)            | 8.5 | 14.1 | 4.3 | 21.0 | 11.2 |

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

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

TABLE 8. SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

| DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/ |     |      |      |     |      |      |
|-------------------------------------------|-----|------|------|-----|------|------|
| NAME                                      | AZ1 | IL1  | MN1  | OK1 | QE1  | MEAN |
| PENN A-1 (A-1)                            | 7.3 | 5.7  | 7.3  | 8.7 | 7.0  | 7.2  |
| LOFTS L-93 (L-93)                         | 7.0 | 5.7  | 6.7  | 8.0 | 8.0  | 7.1  |
| CENTURY (SYN 92-1)                        | 7.3 | 5.7  | 6.7  | 9.0 | 6.3  | 7.0  |
| PENN G-6 (G-6)                            | 7.0 | 5.0  | 7.7  | 8.7 | 6.3  | 6.9  |
| SOUTHSHORE                                | 7.0 | 5.3  | 6.7  | 8.0 | 7.3  | 6.9  |
| BACKSPIN (SYN 92-2)                       | 6.7 | 6.0  | 6.0  | 8.0 | 7.3  | 6.8  |
| PENN A-4 (A-4)                            | 7.7 | 4.0  | 7.0  | 9.0 | 6.3  | 6.8  |
| IMPERIAL (SYN 92-5)                       | 7.0 | 5.0  | 5.7  | 8.7 | 7.3  | 6.7  |
| CATO                                      | 7.0 | 4.7  | 5.7  | 8.0 | 8.0  | 6.7  |
| PENN G-2 (G-2)                            | 7.0 | 5.0  | 6.7  | 8.0 | 6.7  | 6.7  |
| BAR WS 42102                              | 7.3 | 5.0  | 6.3  | 7.7 | 6.7  | 6.6  |
| CRENSHAW                                  | 7.3 | 5.7  | 5.7  | 8.3 | 6.0  | 6.6  |
| PROVIDENCE                                | 6.7 | 7.0  | 5.7  | 7.7 | 6.0  | 6.6  |
| SR 1020                                   | 7.0 | 4.7  | 5.0  | 8.0 | 7.0  | 6.3  |
| TRUELINE                                  | 5.7 | 5.3  | 5.3  | 7.7 | 7.3  | 6.3  |
| LOPEZ                                     | 6.0 | 5.0  | 5.7  | 8.0 | 5.7  | 6.1  |
| MSUEB                                     | 6.0 | 4.7  | 5.0  | 6.7 | 8.0  | 6.1  |
| REGENT                                    | 6.7 | 4.3  | 5.3  | 6.7 | 7.3  | 6.1  |
| DG-P                                      | 6.0 | 5.3  | 4.7  | 7.0 | 7.0  | 6.0  |
| MARINER (SYN-1-88)                        | 5.7 | 4.7  | 5.0  | 7.0 | 7.3  | 5.9  |
| PENNLINKS                                 | 6.0 | 4.7  | 5.7  | 7.3 | 6.0  | 5.9  |
| ISI-AP-89150                              | 6.0 | 5.0  | 5.0  | 7.0 | 6.3  | 5.9  |
| 18TH GREEN                                | 6.0 | 4.0  | 5.7  | 6.7 | 6.3  | 5.7  |
| PENNCROSS                                 | 6.3 | 4.7  | 5.0  | 6.3 | 6.3  | 5.7  |
| PRO/CUP                                   | 6.0 | 6.7  | 5.3  | 7.0 | 3.0  | 5.6  |
| TENDENZ                                   | 5.7 | 4.3  | .    | .   | 6.7  | 5.6  |
| BAR AS 492                                | 5.7 | 4.0  | 5.7  | .   | 6.3  | 5.4  |
| SEASIDE                                   | 4.7 | 4.7  | 5.0  | 6.0 | 5.7  | 5.2  |
| LSD VALUE                                 | 0.9 | 2.1  | 1.2  | 1.0 | 1.7  | 0.7  |
| C.V. (%)                                  | 9.1 | 26.1 | 13.0 | 8.1 | 16.4 | 14.6 |

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 9. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

| DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/ |     |      |      |      |      |
|-------------------------------------------|-----|------|------|------|------|
| NAME                                      | AZ1 | MN1  | OK1  | QE1  | MEAN |
| PENN G-2 (G-2)                            | 8.7 | 6.3  | 9.0  | 7.3  | 7.8  |
| PENN G-6 (G-6)                            | 7.0 | 6.0  | 9.0  | 6.7  | 7.2  |
| CRENSHAW                                  | 8.3 | 5.3  | 8.3  | 6.3  | 7.1  |
| SOUTHSHORE                                | 7.0 | 6.3  | 7.7  | 7.3  | 7.1  |
| PENN A-4 (A-4)                            | 8.3 | 7.3  | 6.7  | 5.7  | 7.0  |
| PENN A-1 (A-1)                            | 8.0 | 6.3  | 7.7  | 6.0  | 7.0  |
| LOFTS L-93 (L-93)                         | 8.0 | 5.7  | 6.7  | 7.3  | 6.9  |
| LOPEZ                                     | 7.0 | 5.3  | 8.7  | 6.7  | 6.9  |
| SR 1020                                   | 8.0 | 5.7  | 6.7  | 7.3  | 6.9  |
| BAR WS 42102                              | 8.0 | 6.0  | 7.7  | 5.7  | 6.8  |
| IMPERIAL (SYN 92-5)                       | 7.7 | 5.7  | 6.7  | 7.3  | 6.8  |
| TENDENZ                                   | 6.3 | .    | .    | 7.3  | 6.8  |
| PENNLINKS                                 | 7.0 | 5.7  | 8.3  | 5.7  | 6.7  |
| CATO                                      | 8.0 | 5.3  | 6.7  | 6.3  | 6.6  |
| MARINER (SYN-1-88)                        | 6.0 | 5.3  | 7.7  | 7.3  | 6.6  |
| MSUEB                                     | 6.3 | 5.0  | 8.3  | 6.7  | 6.6  |
| PENNCROSS                                 | 7.3 | 5.3  | 6.7  | 6.7  | 6.5  |
| PROVIDENCE                                | 8.0 | 5.0  | 7.3  | 5.7  | 6.5  |
| TRUELINE                                  | 6.0 | 5.3  | 8.3  | 6.3  | 6.5  |
| REGENT                                    | 7.0 | 5.0  | 8.0  | 5.7  | 6.4  |
| BACKSPIN (SYN 92-2)                       | 8.0 | 5.3  | 6.0  | 6.3  | 6.4  |
| CENTURY (SYN 92-1)                        | 8.0 | 5.0  | 6.0  | 6.3  | 6.3  |
| ISI-AP-89150                              | 6.3 | 5.0  | 7.7  | 6.3  | 6.3  |
| SEASIDE                                   | 6.0 | 6.0  | 6.7  | 6.0  | 6.2  |
| PRO/CUP                                   | 6.0 | 5.7  | 8.3  | 4.3  | 6.1  |
| DG-P                                      | 5.3 | 5.0  | 7.3  | 6.3  | 6.0  |
| BAR AS 492                                | 6.0 | 5.3  | .    | 6.3  | 5.9  |
| 18TH GREEN                                | 5.7 | 4.3  | 7.3  | 6.0  | 5.8  |
| LSD VALUE                                 | 0.8 | 1.0  | 1.3  | 1.4  | 0.6  |
| C.V. (%)                                  | 6.7 | 11.0 | 10.4 | 13.6 | 10.6 |

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

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

TABLE 10. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME                | MN1  | OK1  | MEAN |
|---------------------|------|------|------|
| PENN A-1 (A-1)      | 97.0 | 97.3 | 97.2 |
| PENN G-6 (G-6)      | 97.0 | 97.3 | 97.2 |
| PENN A-4 (A-4)      | 95.7 | 98.0 | 96.8 |
| CATO                | 94.7 | 96.0 | 95.3 |
| SOUTHSHORE          | 93.3 | 96.7 | 95.0 |
| TRUELINE            | 96.3 | 93.7 | 95.0 |
| PENN G-2 (G-2)      | 94.3 | 94.0 | 94.2 |
| REGENT              | 95.7 | 92.3 | 94.0 |
| CRENSHAW            | 90.3 | 96.7 | 93.5 |
| LOFTS L-93 (L-93)   | 90.3 | 96.7 | 93.5 |
| LOPEZ               | 93.3 | 93.7 | 93.5 |
| IMPERIAL (SYN 92-5) | 91.0 | 95.7 | 93.3 |
| BACKSPIN (SYN 92-2) | 89.3 | 96.3 | 92.8 |
| SR 1020             | 88.0 | 97.0 | 92.5 |
| PROVIDENCE          | 88.7 | 95.3 | 92.0 |
| 18TH GREEN          | 91.0 | 92.3 | 91.7 |
| PENNCROSS           | 91.7 | 87.3 | 89.5 |
| DG-P                | 83.3 | 95.3 | 89.3 |
| PENNLINKS           | 82.3 | 96.3 | 89.3 |
| CENTURY (SYN 92-1)  | 81.3 | 96.7 | 89.0 |
| ISI-AP-89150        | 88.3 | 89.7 | 89.0 |
| MSUEB               | 85.0 | 90.7 | 87.8 |
| BAR WS 42102        | 90.0 | 84.0 | 87.0 |
| PRO/CUP             | 80.0 | 94.0 | 87.0 |
| MARINER (SYN-1-88)  | 81.3 | 90.7 | 86.0 |
| SEASIDE             | 89.7 | 80.7 | 85.2 |
| BAR AS 492          | 80.0 | .    | 80.0 |
| LSD VALUE           | 19.3 | 5.7  | 10.3 |
| C.V. (%)            | 13.4 | 3.8  | 9.7  |

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

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

TABLE 11. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME                | MN1  | OK1  | MEAN |
|---------------------|------|------|------|
| LOPEZ               | 97.7 | 98.3 | 98.0 |
| PENN A-1 (A-1)      | 96.3 | 99.0 | 97.7 |
| PENN A-4 (A-4)      | 96.3 | 99.0 | 97.7 |
| BACKSPIN (SYN 92-2) | 96.3 | 98.7 | 97.5 |
| CENTURY (SYN 92-1)  | 96.3 | 98.7 | 97.5 |
| REGENT              | 97.7 | 97.3 | 97.5 |
| 18TH GREEN          | 97.7 | 96.3 | 97.0 |
| PENN G-6 (G-6)      | 95.0 | 99.0 | 97.0 |
| SOUTHSHORE          | 95.3 | 98.3 | 96.8 |
| PRO/CUP             | 94.7 | 98.7 | 96.7 |
| BAR WS 42102        | 96.3 | 97.0 | 96.7 |
| MSUEB               | 96.0 | 97.3 | 96.7 |
| CRENSHAW            | 94.7 | 98.3 | 96.5 |
| PENN G-2 (G-2)      | 96.3 | 96.7 | 96.5 |
| TRUELINE            | 94.7 | 97.7 | 96.2 |
| CATO                | 93.3 | 98.3 | 95.8 |
| IMPERIAL (SYN 92-5) | 92.7 | 98.7 | 95.7 |
| DG-P                | 94.7 | 96.3 | 95.5 |
| LOFTS L-93 (L-93)   | 96.0 | 94.7 | 95.3 |
| PENNCROSS           | 94.7 | 95.7 | 95.2 |
| BAR AS 492          | 94.7 | .    | 94.7 |
| PENNLINKS           | 91.3 | 97.7 | 94.5 |
| SR 1020             | 91.7 | 97.3 | 94.5 |
| ISI-AP-89150        | 91.0 | 96.0 | 93.5 |
| PROVIDENCE          | 80.0 | 97.7 | 88.8 |
| SEASIDE             | 80.0 | 95.0 | 87.5 |
| MARINER (SYN-1-88)  | 78.0 | 93.3 | 85.7 |
| LSD VALUE           | 17.3 | 2.4  | 9.0  |
| C.V. (%)            | 11.6 | 1.6  | 8.2  |

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 12. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

| NAME                | MN1  | OK1  | MEAN |
|---------------------|------|------|------|
| PENN A-4 (A-4)      | 95.0 | 97.7 | 96.3 |
| PENN A-1 (A-1)      | 93.3 | 99.0 | 96.2 |
| PENN G-6 (G-6)      | 93.3 | 99.0 | 96.2 |
| LOPEZ               | 90.0 | 99.0 | 94.5 |
| CRENSHAW            | 86.7 | 97.7 | 92.2 |
| CATO                | 88.3 | 95.0 | 91.7 |
| MSUEB               | 83.3 | 99.0 | 91.2 |
| PENN G-2 (G-2)      | 83.3 | 99.0 | 91.2 |
| BAR WS 42102        | 83.3 | 97.7 | 90.5 |
| REGENT              | 81.7 | 99.0 | 90.3 |
| SOUTHSHORE          | 81.7 | 99.0 | 90.3 |
| BACKSPIN (SYN 92-2) | 86.7 | 93.0 | 89.8 |
| CENTURY (SYN 92-1)  | 85.0 | 94.7 | 89.8 |
| LOFTS L-93 (L-93)   | 81.7 | 97.7 | 89.7 |
| 18TH GREEN          | 80.0 | 97.7 | 88.8 |
| ISI-AP-89150        | 80.0 | 97.7 | 88.8 |
| TRUELINE            | 80.0 | 97.7 | 88.8 |
| PRO/CUP             | 78.3 | 99.0 | 88.7 |
| SR 1020             | 76.7 | 96.3 | 86.5 |
| DG-P                | 73.3 | 99.0 | 86.2 |
| PENNCROSS           | 76.7 | 94.7 | 85.7 |
| SEASIDE             | 76.7 | 94.7 | 85.7 |
| IMPERIAL (SYN 92-5) | 75.0 | 96.3 | 85.7 |
| PENNLINKS           | 70.0 | 99.0 | 84.5 |
| PROVIDENCE          | 70.0 | 97.7 | 83.8 |
| MARINER (SYN-1-88)  | 68.3 | 97.7 | 83.0 |
| BAR AS 492          | 70.0 | .    | 70.0 |
| LSD VALUE           | 24.5 | 3.8  | 12.7 |
| C.V. (%)            | 18.8 | 2.4  | 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 13. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

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

| NAME                | AZ1  |
|---------------------|------|
| LOFTS L-93 (L-93)   | 8.0  |
| PENN A-4 (A-4)      | 8.0  |
| CENTURY (SYN 92-1)  | 7.0  |
| ISI-AP-89150        | 7.0  |
| PENN A-1 (A-1)      | 7.0  |
| CATO                | 6.7  |
| DG-P                | 6.7  |
| IMPERIAL (SYN 92-5) | 6.7  |
| PENN G-6 (G-6)      | 6.7  |
| PROVIDENCE          | 6.7  |
| SR 1020             | 6.7  |
| CRENSHAW            | 6.3  |
| REGENT              | 6.3  |
| SOUTHSHORE          | 6.3  |
| LOPEZ               | 6.0  |
| TENDENZ             | 6.0  |
| 18TH GREEN          | 5.7  |
| BACKSPIN (SYN 92-2) | 5.7  |
| BAR WS 42102        | 5.7  |
| PENN G-2 (G-2)      | 5.7  |
| PENNCROSS           | 5.7  |
| PENNLINKS           | 5.7  |
| SEASIDE             | 5.7  |
| BAR AS 492          | 5.3  |
| MSUEB               | 5.3  |
| PRO/CUP             | 5.3  |
| TRUELINE            | 5.3  |
| MARINER (SYN-1-88)  | 5.0  |
| LSD VALUE           | 1.0  |
| C.V. (%)            | 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 14. PERCENT WINTER KILL RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/

| NAME                | MN1   |
|---------------------|-------|
| BAR AS 492          | 20.0  |
| PRO/CUP             | 20.0  |
| MARINER (SYN-1-88)  | 18.7  |
| CENTURY (SYN 92-1)  | 17.7  |
| PENNLINKS           | 17.7  |
| DG-P                | 16.7  |
| MSUEB               | 15.0  |
| SR 1020             | 12.0  |
| ISI-AP-89150        | 11.0  |
| PROVIDENCE          | 11.0  |
| BACKSPIN (SYN 92-2) | 10.7  |
| CRENSHAW            | 9.7   |
| LOFTS L-93 (L-93)   | 9.7   |
| 18TH GREEN          | 9.0   |
| IMPERIAL (SYN 92-5) | 9.0   |
| PENNCROSS           | 8.3   |
| LOPEZ               | 6.7   |
| SOUTHSHORE          | 6.7   |
| PENN G-2 (G-2)      | 5.7   |
| CATO                | 5.3   |
| BAR WS 42102        | 5.0   |
| REGENT              | 4.3   |
| PENN A-4 (A-4)      | 3.7   |
| SEASIDE             | 3.7   |
| TRUELINE            | 3.7   |
| PENN A-1 (A-1)      | 3.0   |
| PENN G-6 (G-6)      | 3.0   |
| LSD VALUE           | 18.9  |
| C.V. (%)            | 118.8 |

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 15. THATCH MEASUREMENTS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

THATCH MEASUREMENTS IN MILLIMETERS 2/

| NAME                | QE1  |
|---------------------|------|
| PENNLINKS           | 38.3 |
| BAR AS 492          | 35.0 |
| CENTURY (SYN 92-1)  | 35.0 |
| CRENSHAW            | 35.0 |
| DG-P                | 35.0 |
| PENN A-4 (A-4)      | 35.0 |
| PENN G-2 (G-2)      | 35.0 |
| PENN G-6 (G-6)      | 35.0 |
| PRO/CUP             | 35.0 |
| SOUTHSHORE          | 35.0 |
| BACKSPIN (SYN 92-2) | 33.3 |
| BAR WS 42102        | 33.3 |
| MSUEB               | 33.3 |
| PENN A-1 (A-1)      | 33.3 |
| ISI-AP-89150        | 31.7 |
| LOPEZ               | 31.7 |
| MARINER (SYN-1-88)  | 31.7 |
| PENNCROSS           | 31.7 |
| PROVIDENCE          | 31.7 |
| REGENT              | 31.7 |
| SR 1020             | 31.7 |
| TENDENZ             | 31.7 |
| 18TH GREEN          | 30.0 |
| CATO                | 30.0 |
| LOFTS L-93 (L-93)   | 30.0 |
| SEASIDE             | 30.0 |
| TRUELINE            | 30.0 |
| IMPERIAL (SYN 92-5) | 28.3 |
| LSD VALUE           | 7.1  |
| C.V. (%)            | 13.4 |

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

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

TABLE 16. FUSARIUM PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

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

| NAME                | WA1  |
|---------------------|------|
| PENNLINKS           | 6.0  |
| MSUEB               | 5.3  |
| MARINER (SYN-1-88)  | 5.0  |
| SR 1020             | 5.0  |
| LOFTS L-93 (L-93)   | 4.7  |
| PENN G-2 (G-2)      | 4.7  |
| PENN G-6 (G-6)      | 4.7  |
| PENNCROSS           | 4.7  |
| BAR WS 42102        | 4.3  |
| IMPERIAL (SYN 92-5) | 4.3  |
| PENN A-1 (A-1)      | 4.3  |
| TRUELINE            | 4.3  |
| BACKSPIN (SYN 92-2) | 4.0  |
| CATO                | 4.0  |
| CRENSHAW            | 4.0  |
| LOPEZ               | 4.0  |
| PRO/CUP             | 4.0  |
| TENDENZ             | 4.0  |
| BAR AS 492          | 3.7  |
| CENTURY (SYN 92-1)  | 3.7  |
| ISI-AP-89150        | 3.7  |
| SOUTHSHORE          | 3.7  |
| 18TH GREEN          | 3.3  |
| DG-P                | 3.3  |
| REGENT              | 3.3  |
| PROVIDENCE          | 3.0  |
| PENN A-4 (A-4)      | 2.7  |
| SEASIDE             | 2.3  |
| LSD VALUE           | 1.8  |
| C.V. (%)            | 27.1 |

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

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

TABLE 17. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

| DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ |     |      |      |      |
|------------------------------------------|-----|------|------|------|
| NAME                                     | OK1 | RI1  | TX1  | MEAN |
| PENN A-1 (A-1)                           | 9.0 | 6.0  | 6.3  | 7.1  |
| PENN A-4 (A-4)                           | 9.0 | 4.3  | 7.7  | 7.0  |
| PROVIDENCE                               | 9.0 | 4.7  | 7.3  | 7.0  |
| LOFTS L-93 (L-93)                        | 8.7 | 7.3  | 4.7  | 6.9  |
| PRO/CUP                                  | 9.0 | 3.7  | 8.0  | 6.9  |
| MSUEB                                    | 9.0 | 5.7  | 5.7  | 6.8  |
| DG-P                                     | 9.0 | 5.0  | 6.3  | 6.8  |
| SOUTHSHORE                               | 8.7 | 3.7  | 8.0  | 6.8  |
| ISI-AP-89150                             | 8.7 | 6.0  | 5.3  | 6.7  |
| PENN G-6 (G-6)                           | 8.7 | 5.3  | 6.0  | 6.7  |
| BAR AS 492                               | .   | 7.0  | 6.3  | 6.7  |
| PENNCROSS                                | 8.7 | 5.0  | 6.0  | 6.6  |
| TENDENZ                                  | .   | 8.3  | 4.7  | 6.5  |
| MARINER (SYN-1-88)                       | 9.0 | 2.3  | 8.0  | 6.4  |
| PENNLINKS                                | 9.0 | 5.7  | 4.7  | 6.4  |
| BAR WS 42102                             | 9.0 | 3.7  | 6.7  | 6.4  |
| SEASIDE                                  | 9.0 | 4.3  | 6.0  | 6.4  |
| PENN G-2 (G-2)                           | 9.0 | 4.3  | 5.7  | 6.3  |
| REGENT                                   | 9.0 | 4.3  | 5.7  | 6.3  |
| CATO                                     | 8.7 | 4.7  | 5.0  | 6.1  |
| SR 1020                                  | 9.0 | 2.3  | 6.7  | 6.0  |
| TRUELINE                                 | 8.7 | 3.3  | 5.7  | 5.9  |
| BACKSPIN (SYN 92-2)                      | 8.7 | 2.7  | 6.3  | 5.9  |
| LOPEZ                                    | 9.0 | 3.3  | 5.0  | 5.8  |
| 18TH GREEN                               | 8.0 | 1.7  | 7.0  | 5.6  |
| IMPERIAL (SYN 92-5)                      | 8.3 | 2.7  | 5.3  | 5.4  |
| CENTURY (SYN 92-1)                       | 8.3 | 2.3  | 5.3  | 5.3  |
| CRENSHAW                                 | 8.0 | 1.0  | 6.0  | 5.0  |
| LSD VALUE                                | 0.7 | 1.4  | 1.1  | 0.6  |
| C.V. (%)                                 | 4.7 | 20.3 | 11.1 | 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 18. ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

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

| NAME                | OK1  |
|---------------------|------|
| LOPEZ               | 8.7  |
| PENN A-1 (A-1)      | 8.3  |
| PENN A-4 (A-4)      | 8.3  |
| PENN G-6 (G-6)      | 8.3  |
| REGENT              | 8.3  |
| TRUELINE            | 8.3  |
| BACKSPIN (SYN 92-2) | 8.0  |
| CRENSHAW            | 8.0  |
| CATO                | 7.7  |
| CENTURY (SYN 92-1)  | 7.7  |
| PRO/CUP             | 7.7  |
| PROVIDENCE          | 7.7  |
| SOUTHSHORE          | 7.7  |
| BAR WS 42102        | 7.3  |
| IMPERIAL (SYN 92-5) | 7.3  |
| PENNLINKS           | 7.3  |
| SR 1020             | 7.3  |
| LOFTS L-93 (L-93)   | 7.0  |
| MSUEB               | 6.7  |
| PENNCROSS           | 6.7  |
| DG-P                | 6.3  |
| ISI-AP-89150        | 6.3  |
| MARINER (SYN-1-88)  | 6.3  |
| PENN G-2 (G-2)      | 6.3  |
| SEASIDE             | 6.3  |
| 18TH GREEN          | 5.7  |
| LSD VALUE           | 2.3  |
| C.V. (%)            | 19.3 |

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

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

TABLE 19. PERCENT DOLIAR SPOT (MAY) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
1997 DATA

| NAME                | KY1  |
|---------------------|------|
| 18TH GREEN          | 34.0 |
| CENTURY (SYN 92-1)  | 31.0 |
| CRENSHAW            | 25.0 |
| MARINER (SYN-1-88)  | 19.7 |
| BACKSPIN (SYN 92-2) | 19.3 |
| IMPERIAL (SYN 92-5) | 18.3 |
| SR 1020             | 16.7 |
| PRO/CUP             | 16.3 |
| REGENT              | 15.7 |
| PENN G-6 (G-6)      | 14.0 |
| SOUTHSHORE          | 14.0 |
| PENN A-1 (A-1)      | 12.0 |
| MSUEB               | 11.7 |
| PENNCROSS           | 10.3 |
| PROVIDENCE          | 10.0 |
| PENN G-2 (G-2)      | 9.0  |
| LOPEZ               | 8.7  |
| TRUELINE            | 8.7  |
| BAR AS 492          | 5.7  |
| PENN A-4 (A-4)      | 5.3  |
| SEASIDE             | 5.3  |
| BAR WS 42102        | 5.0  |
| CATO                | 5.0  |
| ISI-AP-89150        | 5.0  |
| PENNLINKS           | 4.7  |
| TENDENZ             | 4.0  |
| DG-P                | 2.7  |
| LOFTS L-93 (L-93)   | 1.7  |
| LSD VALUE           | 10.5 |
| C.V. (%)            | 53.9 |

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 20. DOLLAR SPOT (JULY) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
1997 DATA

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

| NAME                | TX1  |
|---------------------|------|
| PENN A-4 (A-4)      | 8.3  |
| PENN A-1 (A-1)      | 8.0  |
| PENN G-2 (G-2)      | 8.0  |
| PENN G-6 (G-6)      | 8.0  |
| 18TH GREEN          | 7.7  |
| BAR AS 492          | 7.7  |
| CATO                | 7.7  |
| LOFTS L-93 (L-93)   | 7.7  |
| PRO/CUP             | 7.7  |
| PROVIDENCE          | 7.7  |
| SEASIDE             | 7.7  |
| SOUTHSHORE          | 7.7  |
| TENDENZ             | 7.7  |
| BACKSPIN (SYN 92-2) | 7.3  |
| REGENT              | 7.3  |
| DG-P                | 7.0  |
| ISI-AP-89150        | 7.0  |
| MARINER (SYN-1-88)  | 7.0  |
| MSUEB               | 7.0  |
| PENNCROSS           | 7.0  |
| PENNLINKS           | 7.0  |
| BAR WS 42102        | 6.7  |
| CENTURY (SYN 92-1)  | 6.7  |
| LOPEZ               | 6.7  |
| SR 1020             | 6.7  |
| CRENSHAW            | 6.3  |
| IMPERIAL (SYN 92-5) | 6.3  |
| TRUELINE            | 6.3  |
| LSD VALUE           | 1.6  |
| C.V. (%)            | 13.8 |

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 21. PERCENT BROWN PATCH (JULY) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
1997 DATA

| NAME                | KY1  |
|---------------------|------|
| PENNCROSS           | 35.7 |
| LOPEZ               | 29.3 |
| PENN G-2 (G-2)      | 24.0 |
| TENDENZ             | 21.0 |
| REGENT              | 20.7 |
| SEASIDE             | 20.7 |
| PENN A-4 (A-4)      | 20.3 |
| BAR AS 492          | 19.7 |
| CATO                | 19.3 |
| TRUELINE            | 19.0 |
| LOFTS L-93 (L-93)   | 17.7 |
| CRENSHAW            | 17.3 |
| BACKSPIN (SYN 92-2) | 15.3 |
| CENTURY (SYN 92-1)  | 15.0 |
| MARINER (SYN-1-88)  | 14.7 |
| PRO/CUP             | 14.0 |
| 18TH GREEN          | 13.0 |
| PENNLINKS           | 12.0 |
| SR 1020             | 12.0 |
| BAR WS 42102        | 11.7 |
| MSUEB               | 11.7 |
| PROVIDENCE          | 11.3 |
| ISI-AP-89150        | 11.0 |
| DG-P                | 10.0 |
| SOUTHSHORE          | 9.3  |
| PENN A-1 (A-1)      | 8.3  |
| IMPERIAL (SYN 92-5) | 8.0  |
| PENN G-6 (G-6)      | 6.3  |
| LSD VALUE           | 17.5 |
| C.V. (%)            | 68.0 |

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 22. PERCENT POA ANNUA RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
1997 DATA

| NAME                | OK1  |
|---------------------|------|
| SEASIDE             | 18.3 |
| BAR WS 42102        | 15.0 |
| PENNCROSS           | 11.7 |
| ISI-AP-89150        | 9.3  |
| MARINER (SYN-1-88)  | 8.3  |
| MSUEB               | 8.3  |
| 18TH GREEN          | 6.7  |
| REGENT              | 6.7  |
| PENNLINKS           | 5.7  |
| LOPEZ               | 5.3  |
| TRUELINE            | 5.3  |
| PENN G-2 (G-2)      | 5.0  |
| PRO/CUP             | 5.0  |
| DG-P                | 3.7  |
| PROVIDENCE          | 3.7  |
| IMPERIAL (SYN 92-5) | 3.3  |
| CATO                | 3.0  |
| BACKSPIN (SYN 92-2) | 2.7  |
| CENTURY (SYN 92-1)  | 2.3  |
| CRENSHAW            | 2.3  |
| LOFTS L-93 (L-93)   | 2.3  |
| SOUTHSHORE          | 2.3  |
| SR 1020             | 2.0  |
| PENN A-1 (A-1)      | 1.7  |
| PENN G-6 (G-6)      | 1.7  |
| PENN A-4 (A-4)      | 1.0  |
| LSD VALUE           | 5.8  |
| C.V. (%)            | 66.3 |

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 23. STIMPMETER READINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT STILLWATER, OK 1/  
1997 DATA

| STIMPMETER READINGS IN FEET 2/ |        |           |         |      |
|--------------------------------|--------|-----------|---------|------|
| NAME                           | AUGUST | SEPTEMBER | OCTOBER | MEAN |
| SR 1020                        | 8      | 8         | 9.0     | 8.3  |
| 18TH GREEN                     | 8      | 8         | 8.7     | 8.2  |
| ISI-AP-89150                   | 8      | 8         | 8.7     | 8.2  |
| LOFTS L-93 (L-93)              | 8      | 8         | 8.7     | 8.2  |
| REGENT                         | 8      | 8         | 8.7     | 8.2  |
| BACKSPIN (SYN 92-2)            | 8      | 8         | 8.3     | 8.1  |
| CATO                           | 8      | 8         | 8.3     | 8.1  |
| DG-P                           | 8      | 8         | 8.3     | 8.1  |
| MARINER (SYN-1-88)             | 8      | 8         | 8.3     | 8.1  |
| PENN A-1 (A-1)                 | 8      | 8         | 8.3     | 8.1  |
| PENN A-4 (A-4)                 | 8      | 8         | 8.3     | 8.1  |
| PENN G-6 (G-6)                 | 8      | 8         | 8.3     | 8.1  |
| PENNCROSS                      | 8      | 8         | 8.3     | 8.1  |
| PROVIDENCE                     | 8      | 8         | 8.3     | 8.1  |
| SEASIDE                        | 8      | 8         | 8.3     | 8.1  |
| TRUELINE                       | 8      | 8         | 8.3     | 8.1  |
| BAR WS 42102                   | 8      | 8         | 8.0     | 8.0  |
| CENTURY (SYN 92-1)             | 8      | 8         | 8.0     | 8.0  |
| CRENSHAW                       | 8      | 8         | 8.0     | 8.0  |
| IMPERIAL (SYN 92-5)            | 8      | 8         | 8.0     | 8.0  |
| LOPEZ                          | 8      | 8         | 8.0     | 8.0  |
| MSUEB                          | 8      | 8         | 8.0     | 8.0  |
| PENN G-2 (G-2)                 | 8      | 8         | 8.0     | 8.0  |
| PENNLINKS                      | 8      | 8         | 8.0     | 8.0  |
| PRO/CUP                        | 8      | 8         | 8.0     | 8.0  |
| SOUTHSHORE                     | 8      | 8         | 8.0     | 8.0  |
| LSD VALUE                      | -      | -         | 1.3     | 0.4  |
| C.V. (%)                       | 0      | 0         | 5.4     | 1.8  |

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.