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### 1989 National Bentgrass (Native Soil Green) Test - 1990-93 data

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LOCATIONS SUBMITTING DATA FOR 1990-93

| <u>State</u>     | <u>Location</u> | <u>Code</u> |
|------------------|-----------------|-------------|
| Alabama          | Auburn          | AL1         |
| British Columbia | Agassiz         | BC1         |
| California       | Santa Clara     | CA1         |
| Illinois         | Carbondale      | IL1         |
| Illinois         | Urbana          | IL2         |
| Iowa             | Ames            | IA1         |
| Louisiana        | Calhoun         | LA2         |
| New Jersey       | North Brunswick | NJ1         |
| New Jersey       | Martinsville    | NJ3         |
| New York         | Ithaca          | NY1         |
| Ontario          | Guelph          | ON1         |
| Oregon           | Halsey          | OR3         |
| Rhode Island     | Kingston        | RI1         |
| Virginia         | Blacksburg      | VA1         |
| Washington       | Pullman         | WA1         |
| Washington       | Spokane         | WA2         |

## 1989 NATIONAL BENTGRASS TEST

(Greens-Native Soil)

### Entries and Sponsors

| <u>Entry<br/>No.</u> | <u>Name</u>            | <u>Species</u>                   | <u>Sponsor</u>            |
|----------------------|------------------------|----------------------------------|---------------------------|
| 1                    | BR 1518                | A. castellana<br>(dryland bent)  | USGA Green Section        |
| 2                    | Carmen                 | creeping                         | Advanta Seeds West, Inc.  |
| 3                    | Tracenta               | colonial                         | Advanta Seeds West, Inc.  |
| 4                    | Putter                 | creeping                         | Jacklin Seed Co.          |
| 5                    | SR 1020                | creeping                         | Seed Research of OR, Inc. |
| 6                    | Providence             | creeping                         | Seed Research of OR, Inc. |
| 7                    | Bardot                 | colonial                         | Barenbrug USA             |
| 8                    | Penncross              | creeping                         | Tee-2-Green Corp.         |
| 9                    | Pennlinks              | creeping                         | Tee-2-Green Corp.         |
| 10                   | Egmont                 | A. capillaris<br>(browntop bent) | Olsen-Fennell Seed Co.    |
| 11                   | Regent (Normarc 101)   | creeping                         | Barenbrug USA             |
| 12                   | PRO/CUP (Forbes 89-12) | creeping                         | Forbes Seed & Grain       |
| 13                   | Lopez (WVPB 89-D-15)   | creeping                         | Finelawn Research Corp.   |
| 14                   | National               | creeping                         | Pickseed West, Inc.       |
| 15                   | 88.CBE                 | creeping                         | International Seeds, Inc. |
| 16                   | Viper (88.CBL)         | creeping                         | International Seeds, Inc. |
| 17                   | Cobra                  | creeping                         | International Seeds, Inc. |
| 18                   | Emerald                | creeping                         | International Seeds, Inc. |
| 19                   | Allure                 | colonial                         | Willamette Seed Co.       |

Taken from the 1989 Bentgrass (Greens native soil) test - final report with permission from NTEP

TABLE A. 1990-1993 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 1989 NATIONAL BENTGRASS (NATIVE SOIL - 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 |
|----------|---------------------|---------|-----------------------------|---------------------------|---------------------------|--------------|--------------------|----------------------|
| AL1      | SANDY LOAM          | 4.6-5.5 | 61-150                      | 0-150                     | 2.1-3.0                   | FULL SUN     | 0.6-1.0            | TO PREVENT STRESS    |
| BC1      | SANDY CLAY LOAM     | 5.6-6.0 | 61-150                      | 151-240                   | 4.1-5.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| CA1      | LOAM                | 6.1-6.5 | 61-150                      | 0-150                     | 3.1-4.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| IA1      | SANDY CLAY LOAM     | 7.1-7.5 | 0-60                        | 241-375                   | 3.1-4.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| IL1      | SILTY CLAY AND CLAY | 6.1-6.5 | 61-150                      | 151-240                   | 3.1-4.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT DORMANCY  |
| IL2      | SILT LOAM AND SILT  | -       | -                           | -                         | 2.1-3.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| LA2      | SANDY LOAM          | 6.1-6.5 | 61-150                      | 151-240                   | 5.1-6.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| NJ1      | LOAM                | 6.1-6.5 | 61-150                      | 151-240                   | 4.1-5.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| NJ3      | SILT LOAM AND SILT  | 6.6-7.0 | 61-150                      | 501+                      | 4.1-5.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| NY1      | SANDY LOAM          | 5.6-6.0 | 0-60                        | 151-240                   | 2.1-3.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| ON1      | SANDY LOAM          | 6.6-7.0 | -                           | -                         | 1.1-2.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| OR3      | SILT LOAM AND SILT  | 4.6-5.5 | 0-60                        | 151-240                   | 4.1-5.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| RI1      | SILT LOAM AND SILT  | 6.6-7.0 | 151-270                     | 151-240                   | 4.1-5.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| VA1      | SILT LOAM AND SILT  | 6.1-6.5 | 61-150                      | 241-375                   | 3.1-4.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT DORMANCY  |
| WA1      | SILT LOAM AND SILT  | 6.1-6.5 | 0-60                        | 501+                      | 4.1-5.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |
| WA2      | LOAM                | 5.6-6.0 | 0-60                        | 241-375                   | 2.1-3.0                   | FULL SUN     | 0.0-0.5            | TO PREVENT STRESS    |

TABLE B. LOCATIONS AND DATA COLLECTED IN 1990-1993

| 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 RATING | SPRING GREENUP RATING |
|----------|------------------------|-------------------------|----------------------|----------------------|--------------------|---------------------|---------------------|-----------------------|--------------------------|------------------------|-------------------------|-------------------------|----------------------|-----------------------|
| AL1      | X                      | X                       | X                    | X                    | X                  | X                   | X                   | X                     | X                        | X                      | X                       | X                       | X                    |                       |
| BC1      | X                      |                         |                      |                      |                    | X                   | X                   | X                     | X                        | X                      | X                       | X                       |                      |                       |
| CA1      | X                      | X                       | X                    | X                    | X                  | X                   | X                   | X                     | X                        | X                      | X                       | X                       | X                    |                       |
| IA1      |                        |                         |                      | X                    | X                  | X                   | X                   | X                     | X                        | X                      |                         |                         |                      |                       |
| IL1      |                        |                         | X                    | X                    | X                  | X                   | X                   | X                     | X                        | X                      |                         |                         |                      |                       |
| IL2      |                        |                         |                      | X                    | X                  | X                   | X                   | X                     | X                        | X                      |                         |                         |                      |                       |
| LA2      | X                      |                         |                      | X                    |                    |                     |                     |                       | X                        |                        |                         | X                       | X                    |                       |
| NJ1      |                        |                         | X                    | X                    | X                  | X                   | X                   | X                     | X                        | X                      | X                       |                         | X                    | X                     |
| NJ3      |                        |                         |                      | X                    | X                  | X                   | X                   | X                     | X                        | X                      | X                       |                         | X                    | X                     |
| NY1      |                        |                         |                      |                      |                    |                     |                     |                       | X                        |                        | X                       |                         |                      |                       |
| ON1      |                        |                         |                      | X                    | X                  | X                   | X                   | X                     | X                        | X                      |                         |                         | X                    |                       |
| OR3      | X                      | X                       | X                    | X                    | X                  | X                   | X                   | X                     | X                        | X                      | X                       | X                       | X                    |                       |
| RI1      |                        |                         |                      | X                    | X                  | X                   | X                   | X                     | X                        | X                      | X                       |                         |                      |                       |
| VA1      |                        |                         |                      | X                    | X                  | X                   | X                   | X                     | X                        | X                      |                         |                         |                      |                       |
| WA1      |                        |                         | X                    | X                    | X                  | X                   | X                   | X                     | X                        | X                      | X                       |                         |                      | X                     |
| WA2      |                        |                         | X                    | X                    | X                  | X                   | X                   | X                     | X                        | X                      | X                       |                         |                      | X                     |

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TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1990-1993

| LOCATION | LEAF<br>TEXTURE<br>RATINGG | SEEDLING<br>VIGOR | SPRING<br>DENSITY | SUMMER<br>DENSITY | FALL<br>DENSITY | PERCENT<br>COVER<br>SPRING | PERCENT<br>COVER<br>SUMMER | PERCENT<br>COVER<br>FALL | WINTER<br>COLOR | THATCH<br>MEASUREMENTS | FUSARIUM<br>PATCH | DOLLAR<br>SPOT | BROWN<br>PATCH | SUMMER<br>PATCH | PYTHIUM<br>BLIGHT |
|----------|----------------------------|-------------------|-------------------|-------------------|-----------------|----------------------------|----------------------------|--------------------------|-----------------|------------------------|-------------------|----------------|----------------|-----------------|-------------------|
| AL1      |                            |                   |                   |                   |                 |                            |                            |                          |                 |                        |                   | X              |                |                 |                   |
| BC1      |                            |                   |                   |                   |                 |                            |                            |                          |                 |                        | X                 |                |                |                 |                   |
| CA1      | X                          |                   | X                 | X                 | X               | X                          | X                          | X                        |                 | X                      |                   |                |                |                 |                   |
| IA1      |                            |                   |                   |                   |                 |                            |                            |                          |                 |                        |                   |                |                |                 |                   |
| IL1      |                            |                   |                   |                   |                 |                            |                            |                          |                 |                        |                   |                |                | X               | X                 |
| IL2      |                            |                   |                   |                   |                 |                            |                            |                          |                 |                        |                   |                | X              |                 |                   |
| LA2      |                            | X                 |                   |                   |                 |                            | X                          | X                        |                 |                        |                   |                |                |                 |                   |
| NJ1      |                            |                   |                   |                   |                 |                            |                            |                          |                 |                        |                   | X              | X              |                 |                   |
| NJ3      | X                          |                   | X                 | X                 | X               |                            |                            |                          |                 |                        |                   | X              | X              |                 |                   |
| NY1      |                            | X                 |                   |                   |                 |                            |                            |                          |                 |                        |                   |                |                |                 |                   |
| ON1      |                            | X                 |                   | X                 | X               |                            |                            |                          |                 |                        |                   |                |                |                 |                   |
| OR3      | X                          |                   | X                 | X                 | X               |                            |                            | X                        |                 |                        |                   |                |                |                 |                   |
| RI1      |                            |                   |                   |                   |                 |                            |                            |                          |                 |                        |                   | X              |                |                 |                   |
| VA1      |                            |                   |                   |                   |                 |                            |                            |                          |                 |                        |                   | X              | X              |                 |                   |
| WA1      |                            | X                 |                   |                   |                 |                            |                            |                          |                 |                        | X                 |                |                |                 |                   |
| WA2      | X                          | X                 | X                 |                   | X               |                            |                            |                          | X               |                        | X                 |                |                |                 |                   |

TABLE A. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1990-1993

| LOCATION | SEEDLING<br>DAMPING<br>OFF | SCALPING<br>RATING | PYTHIUM<br>ROOT<br>ROT | PERCENT<br>POA<br>JANUARY | PERCENT<br>POA<br>FEBRUARY | PERCENT<br>POA<br>APRILARY | PERCENT<br>POA<br>MAYILARY | PERCENT<br>POA<br>JUNELARY | PERCENT<br>POA<br>JULYLARY | PERCENT<br>POA<br>AUGUSTRY | PERCENT<br>POA<br>SEPTEMBER | PERCENT<br>POA<br>OCTOBER |
|----------|----------------------------|--------------------|------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|---------------------------|
| AL1      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| BC1      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| CA1      |                            |                    |                        | X                         | X                          | X                          | X                          | X                          | X                          | X                          | X                           | X                         |
| IA1      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| IL1      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| IL2      |                            |                    |                        |                           |                            | X                          |                            |                            |                            |                            |                             |                           |
| LA2      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| NJ1      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| NJ3      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| NY1      |                            |                    | X                      |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| ON1      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| OR3      |                            | X                  |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| RI1      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| VA1      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| WA1      | X                          |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |
| WA2      |                            |                    |                        |                           |                            |                            |                            |                            |                            |                            |                             |                           |

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A  
NATIVE SOIL GREEN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA  
1990-1993 DATA

|                          | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/ |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|--------------------------|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| NAME                     | AL1                                            | BC1 | CA1 | IA1 | IL1 | IL2 | LA2 | NJ1 | NJ3 | NY1 | ON1 | OR3 | RI1 | VA1 | WA1 | WA2 | MEAN |
| * PRO/CUP (FORBES 89-12) | 4.6                                            | 6.3 | 6.4 | 6.8 | 6.6 | 5.2 | 5.6 | 6.7 | 5.7 | 7.8 | 7.4 | 6.1 | 5.9 | 4.7 | 6.4 | 6.3 | 6.2  |
| * PROVIDENCE             | 4.1                                            | 6.0 | 6.2 | 5.9 | 6.3 | 5.3 | 5.7 | 7.0 | 5.5 | 7.3 | 7.6 | 5.9 | 6.7 | 5.0 | 6.6 | 6.6 | 6.1  |
| * VIPER (88.CBL)         | 4.4                                            | 6.1 | 6.6 | 6.3 | 6.4 | 4.5 | 5.3 | 6.6 | 5.5 | 7.3 | 7.4 | 6.3 | 5.4 | 4.8 | 6.7 | 6.2 | 6.0  |
| * LOPEZ (WVPB 89-D-15)   | 4.6                                            | 6.3 | 6.0 | 7.2 | 5.7 | 5.2 | 5.3 | 6.6 | 5.7 | 7.0 | 7.3 | 5.5 | 5.5 | 4.6 | 6.4 | 6.3 | 5.9  |
| * PUTTER                 | 4.0                                            | 6.0 | 6.0 | 6.5 | 6.7 | 5.1 | 5.4 | 6.1 | 5.2 | 7.0 | 7.5 | 5.8 | 6.2 | 4.8 | 6.3 | 6.5 | 5.9  |
| 88.CBE                   | 4.8                                            | 5.9 | 6.0 | 6.0 | 6.4 | 4.2 | 5.7 | 6.4 | 5.6 | 6.7 | 7.4 | 6.3 | 5.4 | 4.9 | 6.3 | 6.2 | 5.9  |
| * PENNLINKS              | 4.4                                            | 6.1 | 6.7 | 6.6 | 6.0 | 5.2 | 5.4 | 6.1 | 4.7 | 6.0 | 7.4 | 5.8 | 5.9 | 5.0 | 6.4 | 6.6 | 5.9  |
| * REGENT (NORMARC 101)   | 4.6                                            | 6.3 | 6.0 | 6.5 | 5.9 | 4.8 | 5.6 | 6.2 | 5.3 | 6.7 | 7.2 | 5.2 | 6.0 | 5.2 | 6.2 | 6.1 | 5.9  |
| * PENNCROSS              | 4.8                                            | 6.5 | 5.7 | 6.6 | 6.1 | 4.8 | 5.7 | 5.8 | 5.3 | 7.0 | 7.1 | 5.4 | 5.2 | 5.1 | 6.1 | 6.0 | 5.8  |
| * COBRA                  | 4.2                                            | 6.1 | 6.2 | 5.9 | 6.2 | 4.6 | 5.3 | 6.3 | 5.2 | 6.3 | 7.0 | 5.9 | 5.8 | 5.1 | 6.5 | 6.1 | 5.8  |
| * SR 1020                | 3.8                                            | 6.0 | 6.8 | 6.4 | 6.2 | 5.0 | 4.8 | 6.1 | 5.6 | 6.3 | 7.4 | 5.8 | 5.4 | 4.2 | 6.3 | 5.4 | 5.7  |
| * CARMEN                 | 4.5                                            | 6.0 | 6.3 | 6.4 | 6.1 | 4.3 | 4.8 | 5.7 | 4.6 | 5.0 | 6.7 | 5.3 | 4.9 | 4.6 | 5.6 | 5.8 | 5.4  |
| * EMERALD                | 4.4                                            | 6.3 | 5.2 | 6.1 | 5.2 | 4.8 | 4.3 | 4.6 | 3.9 | 5.8 | 6.7 | 5.1 | 4.5 | 3.9 | 5.6 | 5.6 | 5.1  |
| * BARDOT                 | 5.6                                            | 6.4 | 4.6 | 6.2 | 4.3 | 4.3 | 5.0 | 4.5 | 3.3 | 6.2 | 7.9 | 3.7 | 3.8 | 4.5 | 5.3 | 5.4 | 5.1  |
| * NATIONAL               | 4.2                                            | 6.1 | 4.9 | 5.4 | 5.6 | 4.2 | 4.3 | 4.5 | 4.5 | 5.5 | 6.6 | 4.7 | 5.1 | 4.5 | 5.1 | 5.6 | 5.0  |
| * EGMONT                 | 5.4                                            | 6.0 | 4.7 | 4.8 | 3.5 | 4.5 | 4.8 | 4.1 | 3.1 | 5.3 | 7.7 | 3.7 | 5.1 | 5.1 | 5.5 | 4.6 | 4.9  |
| * TRACENTA               | 5.5                                            | 6.0 | 4.0 | 5.6 | 4.5 | 3.8 | 5.0 | 4.3 | 3.7 | 4.8 | 7.9 | 3.4 | 3.7 | 4.1 | 5.7 | 5.3 | 4.8  |
| ALLURE                   | 5.3                                            | 6.2 | 4.2 | 4.5 | 3.7 | 3.4 | 4.9 | 3.0 | 2.5 | 3.8 | 7.5 | 3.7 | 3.9 | 4.2 | 4.9 | 4.9 | 4.4  |
| BR 1518                  | 5.4                                            | 5.4 | 3.6 | 4.7 | 4.0 | 3.0 | 5.2 | 2.6 | 2.6 | 4.5 | 7.3 | 2.2 | 3.9 | 3.8 | 4.6 | 3.2 | 4.1  |
| LSD VALUE                | 0.8                                            | 0.3 | 0.5 | 0.9 | 1.0 | 0.5 | 0.7 | 0.4 | 0.8 | 1.2 | 0.7 | 0.4 | 0.9 | 0.6 | 0.9 | 0.6 | 0.2  |

\* COMMERCIALY AVAILABLE IN THE USA IN 1994

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).

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS FOR EACH MONTH GROWN ON A NATIVE SOIL GREEN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1990-1993 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/ |     |     |     |     |     |     |     |     |     |     |     |     |      |
|--------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| NAME                                                   | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| PRO/CUP (FORBES 89-12)                                 | 5.3 | 5.0 | 6.1 | 6.0 | 6.0 | 6.3 | 6.2 | 6.0 | 6.2 | 6.1 | 5.6 | 5.6 | 6.1  |
| PROVIDENCE                                             | 5.0 | 4.7 | 6.2 | 6.0 | 6.3 | 6.2 | 6.3 | 5.9 | 6.1 | 6.1 | 5.7 | 5.1 | 6.1  |
| VIPER (88.CBL)                                         | 5.3 | 5.4 | 6.4 | 5.9 | 5.9 | 5.9 | 5.9 | 5.7 | 6.0 | 6.0 | 5.8 | 5.5 | 5.9  |
| LOPEZ (WVPB 89-D-15)                                   | 5.3 | 4.4 | 5.8 | 5.9 | 6.0 | 6.0 | 5.8 | 5.7 | 5.9 | 5.9 | 5.4 | 5.2 | 5.9  |
| FUTTER                                                 | 5.1 | 4.8 | 5.5 | 5.6 | 6.1 | 6.2 | 5.9 | 5.8 | 5.9 | 5.9 | 5.5 | 4.9 | 5.9  |
| HENNLINKS                                              | 5.4 | 5.3 | 6.0 | 5.7 | 6.0 | 5.9 | 6.0 | 5.9 | 5.8 | 5.9 | 5.6 | 5.5 | 5.9  |
| 88.CBE                                                 | 5.4 | 5.3 | 6.2 | 5.9 | 5.9 | 6.0 | 5.8 | 5.7 | 6.0 | 6.0 | 5.5 | 5.5 | 5.9  |
| REGENT (NORMARC 101)                                   | 5.2 | 4.7 | 5.8 | 5.8 | 5.8 | 5.8 | 5.9 | 5.8 | 5.7 | 5.9 | 5.5 | 5.2 | 5.8  |
| COBRA                                                  | 5.2 | 5.3 | 6.1 | 5.8 | 5.8 | 5.8 | 5.8 | 5.6 | 5.7 | 5.8 | 5.7 | 5.4 | 5.8  |
| HENNCROSS                                              | 5.2 | 4.8 | 5.6 | 5.7 | 5.7 | 5.7 | 5.8 | 5.6 | 5.6 | 5.7 | 5.4 | 5.2 | 5.7  |
| SR 1020                                                | 5.6 | 5.1 | 6.3 | 5.5 | 5.8 | 5.8 | 5.7 | 5.5 | 5.8 | 5.8 | 5.3 | 5.1 | 5.7  |
| CARMEN                                                 | 5.1 | 4.8 | 5.5 | 5.4 | 5.6 | 5.6 | 5.6 | 5.3 | 5.4 | 5.5 | 4.8 | 4.8 | 5.4  |
| EMERALD                                                | 5.0 | 4.8 | 4.9 | 4.8 | 4.9 | 4.8 | 5.1 | 5.2 | 5.1 | 5.2 | 4.7 | 4.7 | 5.0  |
| NATIONAL                                               | 4.6 | 4.3 | 4.6 | 5.0 | 4.8 | 4.9 | 5.0 | 5.0 | 5.2 | 5.3 | 4.7 | 4.4 | 5.0  |
| BARDOT                                                 | 4.4 | 4.6 | 4.8 | 5.1 | 5.1 | 4.6 | 4.5 | 4.7 | 4.6 | 4.6 | 4.6 | 4.8 | 4.8  |
| EGMONT                                                 | 4.9 | 4.4 | 4.4 | 4.6 | 4.6 | 4.4 | 4.6 | 4.7 | 4.6 | 4.6 | 4.9 | 4.6 | 4.7  |
| TRACENTA                                               | 4.4 | 4.0 | 4.2 | 5.1 | 4.7 | 4.5 | 4.2 | 4.4 | 4.5 | 4.5 | 4.5 | 4.8 | 4.7  |
| ALLURE                                                 | 4.6 | 4.1 | 4.3 | 4.5 | 4.1 | 3.8 | 3.8 | 4.2 | 4.1 | 4.2 | 4.4 | 4.8 | 4.2  |
| BR 1518                                                | 4.3 | 3.4 | 3.4 | 3.7 | 3.7 | 3.4 | 3.6 | 3.8 | 3.9 | 3.8 | 3.9 | 4.4 | 3.8  |
| LSD VALUE                                              | 0.7 | 0.8 | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.4 | 0.5 | 0.8 | 0.3  |

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).

TABLE 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A NATIVE SOIL GREEN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/ 1990-1993 DATA

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

| NAME                   | AL1 | BC1  | CA1 | IA1 | IL1 | IL2 | LA2  | NJ1 | NJ3 | NY1  | ON1  | OR3 | RI1 | VA1 | WA1 | WA2 | MEAN |
|------------------------|-----|------|-----|-----|-----|-----|------|-----|-----|------|------|-----|-----|-----|-----|-----|------|
| PRO/CUP (FORBES 89-12) | 8   | 5.0  | 4   | 2   | 2   | 2   | 4.5  | 2   | 2   | 1.0  | 10.5 | 3   | 4   | 10  | 4   | 5   | 1    |
| PROVIDENCE             | 17  | 15.5 | 6   | 13  | 5   | 1   | 2.0  | 1   | 5   | 2.5  | 4.0  | 4   | 1   | 6   | 2   | 1   | 2    |
| VIPER (88.CBL)         | 12  | 9.0  | 3   | 9   | 4   | 11  | 10.0 | 4   | 6   | 2.5  | 7.5  | 1   | 10  | 8   | 1   | 6   | 3    |
| LOPEZ (WVPB 89-D-15)   | 10  | 3.0  | 10  | 1   | 12  | 3   | 8.5  | 3   | 1   | 5.0  | 12.5 | 9   | 7   | 11  | 6   | 4   | 4    |
| PUTTER                 | 18  | 15.5 | 11  | 6   | 1   | 5   | 6.5  | 10  | 10  | 5.0  | 5.0  | 8   | 2   | 9   | 9   | 3   | 5    |
| 88.CBE                 | 6   | 18.0 | 9   | 12  | 3   | 15  | 2.0  | 5   | 4   | 7.5  | 7.5  | 2   | 9   | 7   | 8   | 7   | 6    |
| PENNLINKS              | 13  | 9.0  | 2   | 3   | 10  | 4   | 6.5  | 9   | 11  | 12.0 | 9.0  | 7   | 5   | 5   | 5   | 2   | 7    |
| REGENT (NORMARC 101)   | 9   | 5.0  | 8   | 5   | 11  | 9   | 4.5  | 7   | 8   | 7.5  | 14.0 | 12  | 3   | 1   | 10  | 9   | 8    |
| PENNCROSS              | 7   | 1.0  | 12  | 4   | 9   | 7   | 2.0  | 11  | 7   | 5.0  | 15.0 | 10  | 11  | 4   | 11  | 10  | 9    |
| COBRA                  | 15  | 9.0  | 7   | 14  | 6   | 10  | 8.5  | 6   | 9   | 9.5  | 16.0 | 5   | 6   | 3   | 3   | 8   | 10   |
| SR 1020                | 19  | 12.5 | 1   | 7   | 7   | 6   | 17.0 | 8   | 3   | 9.5  | 10.5 | 6   | 8   | 15  | 7   | 15  | 11   |
| CARMEN                 | 11  | 15.5 | 5   | 8   | 8   | 14  | 15.5 | 12  | 12  | 16.0 | 17.5 | 11  | 14  | 12  | 14  | 11  | 12   |
| EMERALD                | 14  | 5.0  | 13  | 11  | 14  | 8   | 18.5 | 13  | 14  | 13.0 | 17.5 | 13  | 15  | 18  | 13  | 12  | 13   |
| BARDOT                 | 1   | 2.0  | 16  | 10  | 16  | 13  | 12.5 | 15  | 16  | 11.0 | 1.0  | 15  | 18  | 14  | 16  | 14  | 14   |
| NATIONAL               | 16  | 11.0 | 14  | 16  | 13  | 16  | 18.5 | 14  | 13  | 14.0 | 19.0 | 14  | 13  | 13  | 17  | 13  | 15   |
| EGMONT                 | 4   | 12.5 | 15  | 17  | 19  | 12  | 15.5 | 17  | 17  | 15.0 | 3.0  | 17  | 12  | 2   | 15  | 18  | 16   |
| TRACENTA               | 2   | 15.5 | 18  | 15  | 15  | 17  | 12.5 | 16  | 15  | 17.0 | 2.0  | 18  | 19  | 17  | 12  | 16  | 17   |
| ALLURE                 | 5   | 7.0  | 17  | 19  | 18  | 18  | 14.0 | 18  | 19  | 19.0 | 6.0  | 16  | 16  | 16  | 18  | 17  | 18   |
| BR 1518                | 3   | 19.0 | 19  | 18  | 17  | 19  | 11.0 | 19  | 18  | 18.0 | 12.5 | 19  | 17  | 19  | 19  | 19  | 19   |

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. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON  
A NATIVE SOIL GREEN FOR EACH YEAR IN THE U.S.  
1990-1993 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/ |              |              |              |              |                 |
|------------------------------------------------|--------------|--------------|--------------|--------------|-----------------|
| NAME                                           | 1990<br>MEAN | 1991<br>MEAN | 1992<br>MEAN | 1993<br>MEAN | 1990-93<br>MEAN |
| PRO/CUP (FORBES 89-12)                         | 6.12         | 5.97         | 6.11         | 6.16         | 6.16            |
| PROVIDENCE                                     | 5.98         | 6.06         | 6.08         | 6.21         | 6.10            |
| VIPER (88.CBL)                                 | 5.89         | 5.87         | 5.94         | 6.05         | 5.99            |
| LOPEZ (WVPB 89-D-15)                           | 5.92         | 5.71         | 5.88         | 6.13         | 5.95            |
| PUTTER                                         | 5.79         | 5.75         | 5.88         | 6.13         | 5.93            |
| 88.CBE                                         | 5.77         | 5.81         | 5.93         | 5.90         | 5.90            |
| PENNLINKS                                      | 5.65         | 5.72         | 6.00         | 6.07         | 5.88            |
| REGENT (NORMARC 101)                           | 5.62         | 5.69         | 5.86         | 6.05         | 5.86            |
| PENNCROSS                                      | 5.74         | 5.58         | 5.74         | 5.80         | 5.82            |
| COBRA                                          | 5.65         | 5.74         | 5.74         | 5.96         | 5.80            |
| SR 1020                                        | 5.47         | 5.68         | 5.82         | 5.86         | 5.73            |
| CARMEN                                         | 5.06         | 5.38         | 5.48         | 5.63         | 5.40            |
| EMERALD                                        | 5.06         | 4.90         | 5.22         | 4.89         | 5.12            |
| BARDOT                                         | 5.38         | 4.87         | 4.72         | 4.34         | 5.06            |
| NATIONAL                                       | 4.98         | 4.90         | 5.00         | 4.99         | 5.04            |
| EGMONT                                         | 5.36         | 4.55         | 4.57         | 4.34         | 4.87            |
| TRACENTA                                       | 5.35         | 4.62         | 4.52         | 4.21         | 4.83            |
| ALLURE                                         | 4.93         | 4.12         | 3.93         | 3.86         | 4.41            |
| BR 1518                                        | 4.52         | 3.55         | 3.66         | 3.72         | 4.12            |
| LSD VALUE                                      | 0.26         | 0.22         | 0.27         | 0.31         | 0.19            |

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).

TABLE 5. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A NATIVE SOIL GREEN FOR EACH YEAR IN THE U.S. 1/  
1990-1993 DATA

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

| NAME                   | 1990<br>MEAN | 1991<br>MEAN | 1992<br>MEAN | 1993<br>MEAN | 1990-93<br>MEAN |
|------------------------|--------------|--------------|--------------|--------------|-----------------|
| PRO/CUP (FORBES 89-12) | 1            | 2            | 1            | 2            | 1               |
| PROVIDENCE             | 2            | 1            | 2            | 1            | 2               |
| VIPER (88.CBL)         | 4            | 3            | 4            | 7            | 3               |
| LOPEZ (WVPB 89-D-15)   | 3            | 8            | 6            | 3            | 4               |
| PUTTER                 | 5            | 5            | 7            | 4            | 5               |
| 88.CBE                 | 6            | 4            | 5            | 9            | 6               |
| PENNLINKS              | 9            | 7            | 3            | 5            | 7               |
| REGENT (NORMARC 101)   | 10           | 9            | 8            | 6            | 8               |
| PENNCROSS              | 7            | 11           | 11           | 11           | 9               |
| COBRA                  | 8            | 6            | 10           | 8            | 10              |
| SR 1020                | 11           | 10           | 9            | 10           | 11              |
| CARMEN                 | 16           | 12           | 12           | 12           | 12              |
| EMERALD                | 15           | 13           | 13           | 14           | 13              |
| BARDOT                 | 12           | 15           | 15           | 15           | 14              |
| NATIONAL               | 17           | 14           | 14           | 13           | 15              |
| EGMONT                 | 13           | 17           | 16           | 16           | 16              |
| TRACENTA               | 14           | 16           | 17           | 17           | 17              |
| ALLURE                 | 18           | 18           | 18           | 18           | 18              |
| BR 1518                | 19           | 19           | 19           | 19           | 19              |

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 4.

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 6. GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN  
1990-1993 DATA

| GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/ |     |     |     |     |     |     |     |      |
|--------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------|
| NAME                                       | AL1 | CA1 | LA2 | NJ1 | NJ3 | ON1 | OR3 | MEAN |
| PRO/CUP (FORBES 89-12)                     | 6.0 | 7.3 | 7.3 | 7.3 | 5.6 | 6.5 | 7.3 | 6.8  |
| 88.CBE                                     | 5.0 | 6.7 | 7.0 | 8.0 | 6.0 | 6.7 | 7.3 | 6.7  |
| VIPER (88.CBL)                             | 4.3 | 7.7 | 7.0 | 7.7 | 5.8 | 6.7 | 7.2 | 6.6  |
| LOPEZ (WVPB 89-D-15)                       | 5.7 | 7.0 | 7.3 | 7.7 | 5.3 | 6.2 | 7.0 | 6.6  |
| PROVIDENCE                                 | 4.7 | 7.0 | 8.0 | 6.7 | 5.7 | 5.5 | 7.0 | 6.4  |
| TRACENTA                                   | 6.3 | 5.7 | 6.7 | 6.0 | 4.4 | 6.3 | 6.0 | 5.9  |
| COBRA                                      | 4.0 | 6.7 | 7.0 | 6.7 | 5.5 | 4.8 | 6.7 | 5.9  |
| PENNCROSS                                  | 5.0 | 6.0 | 7.0 | 6.3 | 5.3 | 4.5 | 6.5 | 5.8  |
| REGENT (NORMARC 101)                       | 4.0 | 6.3 | 7.3 | 5.7 | 5.3 | 5.2 | 6.5 | 5.8  |
| SR 1020                                    | 4.0 | 6.7 | 7.0 | 6.0 | 5.8 | 4.0 | 6.5 | 5.7  |
| PENNLINKS                                  | 4.7 | 6.7 | 7.0 | 5.3 | 4.9 | 4.7 | 6.5 | 5.7  |
| BARDOT                                     | 6.3 | 5.3 | 7.0 | 4.7 | 4.1 | 5.3 | 5.7 | 5.5  |
| CARMEN                                     | 5.0 | 6.7 | 6.7 | 5.3 | 4.8 | 3.2 | 5.8 | 5.4  |
| PUTTER                                     | 3.7 | 6.0 | 7.0 | 4.7 | 5.4 | 4.0 | 6.5 | 5.3  |
| BR 1518                                    | 4.7 | 5.7 | 6.3 | 5.3 | 3.3 | 5.3 | 6.3 | 5.3  |
| ALLURE                                     | 6.3 | 5.7 | 6.3 | 3.0 | 3.0 | 3.8 | 5.5 | 4.8  |
| NATIONAL                                   | 4.3 | 6.3 | 6.7 | 4.0 | 4.7 | 2.0 | 5.5 | 4.8  |
| EGMONT                                     | 5.7 | 4.3 | 6.3 | 3.3 | 3.5 | 4.5 | 5.5 | 4.7  |
| EMERALD                                    | 4.0 | 5.0 | 6.3 | 4.0 | 4.3 | 2.7 | 5.5 | 4.5  |
| LSD VALUE                                  | 1.4 | 1.5 | 0.7 | 1.3 | 0.7 | 1.8 | 0.8 | 0.5  |

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) .

TABLE 7. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

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

| NAME                   | NJ1 | NJ3 | WA1 | WA2 | MEAN |
|------------------------|-----|-----|-----|-----|------|
| BARDOT                 | 8.0 | 6.0 | 4.0 | 8.3 | 6.6  |
| EGMONT                 | 8.0 | 5.7 | 5.0 | 7.7 | 6.6  |
| ALLURE                 | 8.0 | 5.7 | 4.3 | 8.0 | 6.5  |
| TRACENTA               | 8.0 | 5.7 | 4.0 | 7.7 | 6.3  |
| NATIONAL               | 6.7 | 5.0 | 4.7 | 8.3 | 6.2  |
| BR 1518                | 8.0 | 4.7 | 5.0 | 6.7 | 6.1  |
| EMERALD                | 6.3 | 4.0 | 4.7 | 8.3 | 5.8  |
| REGENT (NORMARC 101)   | 4.7 | 5.0 | 4.7 | 8.0 | 5.6  |
| PROVIDENCE             | 4.3 | 4.7 | 5.0 | 8.0 | 5.5  |
| PUTTER                 | 4.3 | 4.7 | 4.7 | 8.3 | 5.5  |
| PENNLINKS              | 4.3 | 4.3 | 4.7 | 8.0 | 5.3  |
| PENNCROSS              | 3.0 | 4.7 | 4.7 | 8.3 | 5.2  |
| 88.CBE                 | 3.3 | 5.3 | 4.0 | 8.0 | 5.2  |
| LOPEZ (WVPB 89-D-15)   | 3.7 | 5.0 | 4.0 | 8.0 | 5.2  |
| SR 1020                | 2.3 | 5.3 | 4.7 | 8.3 | 5.2  |
| VIPER (88.CBL)         | 3.0 | 5.7 | 4.0 | 7.7 | 5.1  |
| COBRA                  | 3.3 | 4.3 | 4.3 | 8.0 | 5.0  |
| PRO/CUP (FORBES 89-12) | 2.3 | 4.0 | 4.3 | 7.7 | 4.6  |
| CARMEN                 | 2.0 | 3.7 | 4.7 | 7.7 | 4.5  |
| LSD VALUE              | 1.0 | 0.9 | 0.8 | 1.1 | 0.5  |

1/ SPRING GREENUP RATED AT "NJ1" IN 1991, AT "NJ3" IN 1991 & 1992, AT "WA1" IN 1993 AND "WA2" IN 1992.

2/ 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) .

TABLE 8. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN  
1990-1993 DATA

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

| NAME                   | CA1 | NJ3 | OR3 | WA2 | MEAN |
|------------------------|-----|-----|-----|-----|------|
| SR 1020                | 7.3 | 6.4 | 7.0 | 6.2 | 6.7  |
| PRO/CUP (FORBES 89-12) | 7.0 | 6.3 | 7.3 | 6.2 | 6.7  |
| PROVIDENCE             | 7.0 | 5.8 | 6.7 | 6.2 | 6.4  |
| EGMONT                 | 7.7 | 5.3 | 5.3 | 7.2 | 6.4  |
| VIPER (88.CBL)         | 7.0 | 6.2 | 6.3 | 5.8 | 6.3  |
| PENNLINKS              | 6.7 | 5.5 | 6.7 | 6.3 | 6.3  |
| BARDOT                 | 7.0 | 5.4 | 5.0 | 7.7 | 6.3  |
| COBRA                  | 6.7 | 6.0 | 6.7 | 5.7 | 6.3  |
| CARMEN                 | 7.0 | 5.7 | 6.0 | 6.2 | 6.2  |
| 88.CBE                 | 6.7 | 6.3 | 6.0 | 5.8 | 6.2  |
| PUTTER                 | 6.7 | 5.8 | 6.0 | 6.2 | 6.1  |
| LOPEZ (WVPB 89-D-15)   | 6.7 | 5.8 | 6.3 | 5.7 | 6.1  |
| REGENT (NORMARC 101)   | 7.0 | 5.8 | 5.3 | 5.8 | 6.0  |
| TRACENTA               | 6.3 | 5.1 | 4.3 | 7.5 | 5.8  |
| NATIONAL               | 6.0 | 5.0 | 5.7 | 6.5 | 5.8  |
| PENNCROSS              | 6.3 | 5.5 | 6.0 | 4.8 | 5.7  |
| ALLURE                 | 6.3 | 4.6 | 4.0 | 7.2 | 5.5  |
| EMERALD                | 6.0 | 5.0 | 5.3 | 5.3 | 5.4  |
| BR 1518                | 6.3 | 3.8 | 3.0 | 2.5 | 3.9  |
| LSD VALUE              | 0.9 | 0.8 | 1.1 | 1.3 | 0.5  |

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) .

TABLE 9. SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

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

| NAME                   | LA2 | NY1 | ON1 | WA1 | WA2 | MEAN |
|------------------------|-----|-----|-----|-----|-----|------|
| EMERALD                | 7.0 | 8.0 | 8.3 | 6.0 | 6.7 | 7.2  |
| PUTTER                 | 7.0 | 8.0 | 7.7 | 6.0 | 7.3 | 7.2  |
| PRO/CUP (FORBES 89-12) | 7.0 | 7.3 | 7.3 | 5.7 | 6.7 | 6.8  |
| PENNCROSS              | 7.0 | 7.0 | 6.7 | 5.7 | 7.3 | 6.7  |
| LOPEZ (WVPB 89-D-15)   | 6.7 | 8.0 | 6.0 | 6.0 | 6.3 | 6.6  |
| PENNLINKS              | 7.0 | 7.0 | 6.3 | 5.0 | 7.0 | 6.5  |
| PROVIDENCE             | 7.0 | 6.3 | 7.0 | 5.7 | 6.0 | 6.4  |
| NATIONAL               | 6.3 | 6.0 | 8.0 | 5.7 | 5.7 | 6.3  |
| REGENT (NORMARC 101)   | 7.0 | 5.3 | 8.3 | 5.0 | 5.7 | 6.3  |
| COBRA                  | 6.7 | 6.0 | 5.0 | 6.0 | 5.7 | 5.9  |
| EGMONT                 | 7.0 | 4.0 | 7.0 | 5.3 | 5.7 | 5.8  |
| SR 1020                | 6.3 | 6.3 | 5.3 | 5.3 | 5.3 | 5.7  |
| VIPER (88.CBL)         | 6.7 | 5.7 | 5.3 | 5.0 | 5.3 | 5.6  |
| 88.CBE                 | 6.7 | 5.7 | 5.0 | 4.7 | 5.3 | 5.5  |
| TRACENTA               | 6.7 | 4.0 | 4.0 | 5.0 | 7.0 | 5.3  |
| BARDOT                 | 6.7 | 3.7 | 4.7 | 4.7 | 6.3 | 5.2  |
| BR 1518                | 7.0 | 4.3 | 5.3 | 5.7 | 3.7 | 5.2  |
| CARMEN                 | 7.0 | 3.3 | 3.3 | 5.3 | 5.7 | 4.9  |
| ALLURE                 | 6.7 | 3.7 | 3.7 | 4.7 | 5.3 | 4.8  |
| LSD VALUE              | 0.6 | 2.3 | 2.0 | 1.5 | 1.7 | 0.8  |

1/ SEEDLING VIGOR RATED IN 1990 ONLY.

2/ 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) .

TABLE 10. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN  
1990-1993 DATA

| DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/ |     |     |     |     |      |
|-------------------------------------------|-----|-----|-----|-----|------|
| NAME                                      | CA1 | NJ3 | OR3 | WA2 | MEAN |
| PROVIDENCE                                | 6.7 | 6.8 | 5.3 | 8.7 | 6.9  |
| SR 1020                                   | 6.7 | 7.0 | 6.0 | 7.7 | 6.8  |
| 88.CBE                                    | 6.3 | 6.3 | 5.3 | 8.7 | 6.7  |
| PRO/CUP (FORBES 89-12)                    | 6.5 | 7.0 | 5.7 | 7.3 | 6.6  |
| PUTTER                                    | 6.3 | 6.5 | 5.3 | 8.0 | 6.5  |
| LOPEZ (WVPB 89-D-15)                      | 6.3 | 6.0 | 5.7 | 8.0 | 6.5  |
| VIPER (88.CBL)                            | 6.3 | 6.3 | 5.3 | 8.0 | 6.5  |
| REGENT (NORMARC 101)                      | 6.2 | 6.3 | 5.3 | 8.0 | 6.5  |
| COBRA                                     | 6.3 | 6.0 | 5.3 | 8.0 | 6.4  |
| CARMEN                                    | 6.3 | 6.0 | 5.7 | 7.3 | 6.3  |
| PENNCROSS                                 | 6.2 | 6.0 | 5.3 | 7.7 | 6.3  |
| PENNLINKS                                 | 6.3 | 5.2 | 5.3 | 7.7 | 6.1  |
| EMERALD                                   | 5.7 | 5.0 | 5.7 | 7.0 | 5.8  |
| NATIONAL                                  | 5.5 | 5.0 | 4.3 | 7.3 | 5.5  |
| BARDOT                                    | 5.8 | 4.8 | 4.3 | 7.0 | 5.5  |
| TRACENTA                                  | 5.3 | 5.0 | 3.0 | 7.0 | 5.1  |
| EGMONT                                    | 6.0 | 4.8 | 2.7 | 6.0 | 4.9  |
| ALLURE                                    | 5.3 | 3.5 | 3.0 | 7.0 | 4.7  |
| BR 1518                                   | 4.8 | 3.5 | 2.3 | 6.0 | 4.2  |
| LSD VALUE                                 | 0.7 | 1.1 | 0.9 | 0.7 | 0.5  |

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) .

TABLE 11. SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN  
1990-1993 DATA

| DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/ |     |     |     |     |      |
|-------------------------------------------|-----|-----|-----|-----|------|
| NAME                                      | CA1 | NJ3 | ON1 | OR3 | MEAN |
| PRO/CUP (FORBES 89-12)                    | 7.5 | 6.4 | 9.0 | 5.7 | 7.2  |
| VIPER (88.CBL)                            | 7.3 | 6.3 | 9.0 | 5.7 | 7.1  |
| SR 1020                                   | 7.5 | 6.1 | 8.0 | 6.0 | 6.9  |
| PROVIDENCE                                | 7.3 | 6.0 | 8.7 | 5.3 | 6.8  |
| COBRA                                     | 6.8 | 5.7 | 9.0 | 5.7 | 6.8  |
| 88.CBE                                    | 6.8 | 6.0 | 9.0 | 5.3 | 6.8  |
| PUTTER                                    | 6.8 | 5.8 | 9.0 | 5.3 | 6.7  |
| LOPEZ (WVPB 89-D-15)                      | 6.8 | 5.7 | 8.7 | 5.7 | 6.7  |
| REGENT (NORMARC 101)                      | 6.8 | 5.6 | 9.0 | 5.3 | 6.7  |
| PENNCROSS                                 | 6.7 | 5.7 | 9.0 | 5.3 | 6.7  |
| CARMEN                                    | 7.2 | 5.2 | 8.0 | 5.7 | 6.5  |
| PENNLINKS                                 | 6.8 | 5.2 | 8.7 | 5.3 | 6.5  |
| EMERALD                                   | 6.2 | 4.8 | 9.0 | 6.0 | 6.5  |
| NATIONAL                                  | 6.3 | 5.1 | 9.0 | 4.3 | 6.2  |
| BARDOT                                    | 5.5 | 3.7 | 8.3 | 4.3 | 5.5  |
| EGMONT                                    | 5.7 | 3.3 | 9.0 | 2.7 | 5.2  |
| TRACENTA                                  | 5.2 | 3.4 | 8.3 | 3.0 | 5.0  |
| ALLURE                                    | 5.3 | 2.3 | 8.7 | 3.0 | 4.8  |
| BR 1518                                   | 4.5 | 2.1 | 8.7 | 3.7 | 4.7  |
| LSD VALUE                                 | 1.5 | 0.9 | 0.7 | 1.2 | 0.6  |

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) .

TABLE 12. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN  
1990-1993 DATA

| DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/ |     |     |     |     |     |      |
|-------------------------------------------|-----|-----|-----|-----|-----|------|
| NAME                                      | CA1 | NJ3 | ON1 | OR3 | WA2 | MEAN |
| PRO/CUP (FORBES 89-12)                    | 7.3 | 6.4 | 8.7 | 7.3 | 9.0 | 7.8  |
| 88.CBE                                    | 7.2 | 6.3 | 8.7 | 7.3 | 9.0 | 7.7  |
| VIPER (88.CBL)                            | 7.2 | 6.2 | 8.7 | 7.3 | 9.0 | 7.7  |
| PROVIDENCE                                | 7.3 | 5.6 | 8.3 | 7.7 | 9.0 | 7.6  |
| REGENT (NORMARC 101)                      | 7.2 | 5.7 | 9.0 | 7.0 | 8.7 | 7.5  |
| SR 1020                                   | 7.5 | 6.3 | 7.7 | 7.0 | 8.7 | 7.4  |
| COBRA                                     | 7.3 | 5.8 | 8.0 | 7.0 | 8.7 | 7.4  |
| PENNLINKS                                 | 7.3 | 5.1 | 8.3 | 7.0 | 9.0 | 7.4  |
| LOPEZ (WVPB 89-D-15)                      | 7.2 | 5.7 | 8.0 | 7.0 | 8.7 | 7.3  |
| NATIONAL                                  | 6.5 | 5.0 | 9.0 | 7.0 | 8.7 | 7.2  |
| PUTTER                                    | 7.2 | 5.3 | 9.0 | 6.3 | 7.7 | 7.1  |
| PENNCROSS                                 | 7.2 | 5.2 | 8.7 | 6.0 | 8.3 | 7.1  |
| EMERALD                                   | 6.8 | 4.9 | 9.0 | 7.0 | 7.7 | 7.1  |
| EGMONT                                    | 7.0 | 4.6 | 8.7 | 6.0 | 7.3 | 6.7  |
| BARDOT                                    | 6.5 | 4.4 | 7.0 | 6.0 | 8.0 | 6.4  |
| CARMEN                                    | 7.3 | 4.2 | 6.7 | 5.3 | 8.3 | 6.4  |
| TRACENTA                                  | 6.7 | 4.4 | 6.7 | 5.3 | 8.0 | 6.2  |
| ALLURE                                    | 7.0 | 3.0 | 7.3 | 5.0 | 7.7 | 6.0  |
| BR 1518                                   | 6.5 | 3.1 | 7.7 | 4.3 | 6.7 | 5.7  |
| LSD VALUE                                 | 0.6 | 0.9 | 1.2 | 0.6 | 0.9 | 0.4  |

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) .

TABLE 13. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

| NAME                   | CA1  |
|------------------------|------|
| 88.CBE                 | 99.0 |
| ALLURE                 | 99.0 |
| CARMEN                 | 99.0 |
| COBRA                  | 99.0 |
| EGMONT                 | 99.0 |
| EMERALD                | 99.0 |
| PENNCROSS              | 99.0 |
| PENNLINKS              | 99.0 |
| PRO/CUP (FORBES 89-12) | 99.0 |
| SR 1020                | 99.0 |
| VIPER (88.CBL)         | 99.0 |
| NATIONAL               | 97.7 |
| LOPEZ (WVPB 89-D-15)   | 96.0 |
| PROVIDENCE             | 96.0 |
| FUTTER                 | 96.0 |
| REGENT (NORMARC 101)   | 96.0 |
| BARDOT                 | 95.0 |
| TRACENTA               | 94.3 |
| BR 1518                | 91.3 |
| ISD VALUE              | 5.6  |

1/ PERCENT LIVING GROUND COVER (SPRING) RATED IN 1991 ONLY.

2/ 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) .

TABLE 14. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

| NAME                   | CA1  | LA2  | MEAN |
|------------------------|------|------|------|
| BR 1518                | 96.3 | 61.7 | 79.0 |
| EGMONT                 | 99.0 | 58.3 | 78.7 |
| 88.CBE                 | 99.0 | 56.7 | 77.8 |
| COBRA                  | 99.0 | 56.7 | 77.8 |
| REGENT (NORMARC 101)   | 99.0 | 55.0 | 77.0 |
| PRO/CUP (FORBES 89-12) | 99.0 | 53.3 | 76.2 |
| PENNLINKS              | 99.0 | 51.7 | 75.3 |
| PENNCROSS              | 99.0 | 50.0 | 74.5 |
| ALLURE                 | 99.0 | 48.3 | 73.7 |
| VIPER (88.CBL)         | 99.0 | 45.0 | 72.0 |
| BARDOT                 | 97.7 | 45.0 | 71.3 |
| LOPEZ (WVPB 89-D-15)   | 99.0 | 43.3 | 71.2 |
| PUTTER                 | 99.0 | 43.3 | 71.2 |
| TRACENTA               | 97.7 | 38.3 | 68.0 |
| CARMEN                 | 99.0 | 35.0 | 67.0 |
| PROVIDENCE             | 99.0 | 35.0 | 67.0 |
| SR 1020                | 99.0 | 31.7 | 65.3 |
| EMERALD                | 99.0 | 21.7 | 60.3 |
| NATIONAL               | 99.0 | 10.0 | 54.5 |
| LSD VALUE              | 1.5  | 27.3 | 13.7 |

1/ PERCENT LIVING GROUND COVER (SUMMER) RATED AT "CA1" IN 1991 AND AT "LA2" 1990.

2/ 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) .

TABLE 15. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

| PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/ |      |      |      |      |
|---------------------------------------------------|------|------|------|------|
| NAME                                              | CA1  | LA2  | OR3  | MEAN |
| PRO/CUP (FORBES 89-12)                            | 95.3 | 86.7 | 70.0 | 84.0 |
| REGENT (NORMARC 101)                              | 96.2 | 85.0 | 70.0 | 83.7 |
| COBRA                                             | 96.7 | 83.3 | 66.7 | 82.2 |
| PENNCROSS                                         | 93.2 | 86.7 | 66.7 | 82.2 |
| BR 1518                                           | 86.3 | 83.3 | 76.7 | 82.1 |
| 88.CBE                                            | 94.0 | 81.7 | 66.7 | 80.8 |
| VIPER (88.CBL)                                    | 96.5 | 75.0 | 70.0 | 80.5 |
| PROVIDENCE                                        | 89.5 | 80.0 | 70.0 | 79.8 |
| ALLURE                                            | 91.8 | 80.0 | 66.7 | 79.5 |
| LOPEZ (WVPB 89-D-15)                              | 96.8 | 78.3 | 63.3 | 79.5 |
| PENNLINKS                                         | 93.0 | 78.3 | 66.7 | 79.3 |
| EGMONT                                            | 92.8 | 76.7 | 66.7 | 78.7 |
| TRACENTA                                          | 88.8 | 81.7 | 63.3 | 77.9 |
| BARDOT                                            | 90.5 | 81.7 | 60.0 | 77.4 |
| CARMEN                                            | 93.7 | 66.7 | 70.0 | 76.8 |
| PUTTER                                            | 93.7 | 63.3 | 73.3 | 76.8 |
| EMERALD                                           | 95.2 | 58.3 | 66.7 | 73.4 |
| SR 1020                                           | 95.7 | 56.7 | 60.0 | 70.8 |
| NATIONAL                                          | 95.3 | 46.7 | 70.0 | 70.7 |
| LSD VALUE                                         | 7.7  | 20.5 | 12.6 | 7.0  |

1/ PERCENT LIVING GROUND COVER (FALL) RATED AT "CA1" IN 1991 & 1993 AND AT "LA2" & "OR3" 1990.

2/ 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).

TABLE 16. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

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

| NAME                   | WA2 |
|------------------------|-----|
| PROVIDENCE             | 6.7 |
| PENNCROSS              | 6.0 |
| PENNLINKS              | 6.0 |
| COBRA                  | 5.7 |
| PRO/CUP (FORBES 89-12) | 5.7 |
| PUTTER                 | 5.7 |
| ALLURE                 | 5.3 |
| EMERALD                | 5.3 |
| EGMONT                 | 5.0 |
| REGENT (NORMARC 101)   | 5.0 |
| LOPEZ (WVPB 89-D-15)   | 4.7 |
| VIPER (88.CBL)         | 4.7 |
| 88.CBE                 | 4.3 |
| NATIONAL               | 4.3 |
| SR 1020                | 4.3 |
| BARDOT                 | 4.0 |
| BR 1518                | 4.0 |
| TRACENTA               | 4.0 |
| CARMEN                 | 3.3 |
| LSD VALUE              | 1.7 |

1/ WINTER COLOR RATED IN 1990 ONLY.

2/ 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) .

TABLE 17. THATCH MEASUREMENTS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

THATCH MEASUREMENTS IN MILLIMETERS 2/

| NAME                   | CA1  |
|------------------------|------|
| EMERALD                | 39.3 |
| PRO/CUP (FORBES 89-12) | 38.8 |
| LOPEZ (WVPB 89-D-15)   | 38.2 |
| PENNLINKS              | 38.0 |
| SR 1020                | 37.3 |
| PUTTER                 | 37.0 |
| VIPER (88.CBL)         | 37.0 |
| CARMEN                 | 36.7 |
| REGENT (NORMARC 101)   | 36.7 |
| 88.CBE                 | 36.5 |
| PENNCROSS              | 35.3 |
| PROVIDENCE             | 35.0 |
| EGMONT                 | 34.8 |
| NATIONAL               | 34.3 |
| BARDOT                 | 34.2 |
| TRACENTA               | 33.0 |
| COBRA                  | 32.8 |
| ALLURE                 | 31.7 |
| ER 1518                | 21.2 |
| ISD VALUE              | 10.4 |

1/ THATCH MEASUREMENTS RATED IN 1992 AND 1993.

2/ 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) .

TABLE 18. FUSARIUM PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

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

| NAME                   | BC1 | WA1 | WA2 | MEAN |
|------------------------|-----|-----|-----|------|
| 88.CBE                 | 9.0 | 4.5 | 9.0 | 7.5  |
| COBRA                  | 9.0 | 4.7 | 8.3 | 7.3  |
| NATIONAL               | 9.0 | 4.7 | 8.3 | 7.3  |
| EMERALD                | 9.0 | 4.2 | 8.3 | 7.2  |
| LOPEZ (WVPB 89-D-15)   | 9.0 | 4.0 | 8.3 | 7.1  |
| PROVIDENCE             | 9.0 | 4.3 | 7.7 | 7.0  |
| VIPER (88.CBL)         | 9.0 | 3.8 | 8.0 | 6.9  |
| PENNLINKS              | 9.0 | 4.5 | 7.3 | 6.9  |
| PUTTER                 | 9.0 | 4.5 | 7.3 | 6.9  |
| BR 1518                | 8.7 | 4.3 | 7.7 | 6.9  |
| REGENT (NORMARC 101)   | 9.0 | 4.3 | 7.3 | 6.9  |
| ALLURE                 | 8.3 | 4.2 | 8.0 | 6.8  |
| PENNCROSS              | 9.0 | 4.5 | 7.0 | 6.8  |
| PRO/CUP (FORBES 89-12) | 9.0 | 4.5 | 7.0 | 6.8  |
| BARDOT                 | 9.0 | 4.0 | 7.3 | 6.8  |
| TRACENTA               | 7.3 | 4.0 | 8.7 | 6.7  |
| CARMEN                 | 9.0 | 4.3 | 6.3 | 6.6  |
| SR 1020                | 9.0 | 3.3 | 6.0 | 6.1  |
| EGMONT                 | 7.7 | 3.7 | 6.7 | 6.0  |
| LSD VALUE              | 0.7 | 3.4 | 1.6 | 1.8  |

1/ FUSARIUM PATCH RATED AT "BC1" IN 1990, AT "WA1" IN 1992 & 1993 AND AT "WA2" IN 1993.

2/ 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).

TABLE 19. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

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

| NAME                   | AL1 | NJ1 | NJ3 | RI1 | VA1 | MEAN |
|------------------------|-----|-----|-----|-----|-----|------|
| EGMONT                 | 7.7 | 8.0 | 5.0 | 8.8 | 8.5 | 7.6  |
| BR 1518                | 8.3 | 6.7 | 4.7 | 7.2 | 7.7 | 6.9  |
| TRACENTA               | 6.3 | 7.0 | 4.7 | 7.5 | 8.3 | 6.8  |
| ALLURE                 | 7.3 | 7.0 | 4.7 | 7.8 | 6.7 | 6.7  |
| BARDOT                 | 6.0 | 7.3 | 4.3 | 7.8 | 7.5 | 6.6  |
| 88.CBE                 | 5.3 | 5.7 | 4.3 | 6.7 | 7.2 | 5.8  |
| PROVIDENCE             | 5.0 | 5.7 | 4.3 | 7.3 | 6.8 | 5.8  |
| NATIONAL               | 5.7 | 5.3 | 4.7 | 6.3 | 6.7 | 5.7  |
| REGENT (NORMARC 101)   | 4.7 | 5.3 | 4.3 | 7.2 | 7.2 | 5.7  |
| PENNLINKS              | 5.0 | 4.3 | 4.3 | 7.2 | 7.7 | 5.7  |
| COBRA                  | 5.3 | 4.7 | 4.7 | 6.5 | 6.7 | 5.6  |
| PENNCROSS              | 5.3 | 4.0 | 4.0 | 7.5 | 6.8 | 5.5  |
| VIPER (88.CBL)         | 5.7 | 5.0 | 4.0 | 5.7 | 6.5 | 5.4  |
| LOPEZ (WVPB 89-D-15)   | 5.0 | 4.3 | 4.7 | 6.2 | 5.8 | 5.2  |
| PUTTER                 | 4.0 | 4.7 | 4.0 | 6.8 | 5.8 | 5.1  |
| EMERALD                | 5.0 | 5.7 | 3.7 | 5.5 | 5.0 | 5.0  |
| PRO/CUP (FORBES 89-12) | 4.7 | 2.7 | 4.3 | 5.7 | 5.8 | 4.6  |
| CARMEN                 | 5.3 | 3.0 | 3.3 | 4.7 | 5.5 | 4.4  |
| SR 1020                | 2.7 | 3.3 | 3.7 | 5.3 | 3.0 | 3.6  |
| LSD VALUE              | 1.5 | 2.1 | 1.3 | 1.0 | 2.1 | 0.8  |

1/ DOLLAR SPOT RATED AT "AL" & "NJ1" IN 1991, AT "NJ3" IN 1990, AT "RI1" IN 1992 AND AT "VA1" IN 1992 & 1993.

2/ 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).

TABLE 20. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

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

| NAME                   | IL2 | NJ1 | NJ3 | VA1 | MEAN |
|------------------------|-----|-----|-----|-----|------|
| LOPEZ (WVPB 89-D-15)   | 9.0 | 7.7 | 6.3 | 4.8 | 7.0  |
| VIPER (88.CBL)         | 9.0 | 7.8 | 5.3 | 5.0 | 6.8  |
| PRO/CUP (FORBES 89-12) | 9.0 | 7.2 | 6.3 | 4.0 | 6.6  |
| NATIONAL               | 9.0 | 6.3 | 6.3 | 4.5 | 6.5  |
| REGENT (NORMARC 101)   | 9.0 | 7.0 | 5.0 | 5.0 | 6.5  |
| SR 1020                | 9.0 | 6.5 | 4.3 | 6.0 | 6.5  |
| COBRA                  | 9.0 | 7.0 | 5.0 | 4.7 | 6.4  |
| EMERALD                | 8.7 | 7.0 | 4.7 | 4.8 | 6.3  |
| CARMEN                 | 9.0 | 6.2 | 4.7 | 5.2 | 6.3  |
| PENNCROSS              | 9.0 | 6.7 | 4.7 | 4.7 | 6.3  |
| 88.CBE                 | 9.0 | 7.0 | 5.0 | 4.0 | 6.3  |
| PROVIDENCE             | 8.7 | 8.0 | 3.7 | 4.7 | 6.3  |
| PUTTER                 | 9.0 | 7.0 | 3.0 | 5.8 | 6.2  |
| PENNLINKS              | 9.0 | 7.2 | 4.0 | 4.2 | 6.1  |
| EGMONT                 | 7.3 | 3.2 | 4.0 | 6.2 | 5.2  |
| ALLURE                 | 7.7 | 2.8 | 4.7 | 4.8 | 5.0  |
| BARDOT                 | 5.7 | 2.8 | 4.0 | 5.8 | 4.6  |
| TRACENTA               | 6.5 | 3.2 | 2.3 | 5.7 | 4.4  |
| BR 1518                | 7.3 | 3.2 | 2.3 | 4.7 | 4.4  |
| LSD VALUE              | 1.2 | 1.6 | 2.6 | 2.9 | 1.1  |

1/ BROWN PATCH RATED AT "IL2" IN 1992 & 1993, AT "NJ1" IN 1990 & 1991, AT "NJ3" IN 1990 AND AT "VA1" IN 1991 & 1993.

2/ 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).

TABLE 21. SUMMER PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

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

| NAME                   | IL1 |
|------------------------|-----|
| SR 1020                | 9.0 |
| CARMEN                 | 8.7 |
| PUTTER                 | 8.7 |
| TRACENTA               | 8.7 |
| ALLURE                 | 8.5 |
| BARDOT                 | 8.3 |
| BR 1518                | 8.3 |
| PRO/CUP (FORBES 89-12) | 7.7 |
| REGENT (NORMARC 101)   | 7.7 |
| PENNLINKS              | 7.3 |
| PENNCROSS              | 7.0 |
| 88.CBE                 | 6.7 |
| EGMONT                 | 6.3 |
| PROVIDENCE             | 6.3 |
| EMERALD                | 6.0 |
| LOPEZ (WVPB 89-D-15)   | 6.0 |
| VIPER (88.CBL)         | 6.0 |
| NATIONAL               | 5.7 |
| COBRA                  | 4.7 |
| LSD VALUE              | 4.1 |

1/ SUMMER PATCH RATED IN 1993 ONLY.

2/ 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) .

TABLE 22. PYTHIUM BLIGHT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 2/

| NAME                   | IL1 |
|------------------------|-----|
| 88.CBE                 | 6.0 |
| BR 1518                | 4.3 |
| COBRA                  | 4.3 |
| EMERALD                | 4.3 |
| PRO/CUP (FORBES 89-12) | 4.3 |
| PUTTER                 | 4.3 |
| TRACENTA               | 4.0 |
| NATIONAL               | 3.7 |
| VIPER (88.CBL)         | 3.7 |
| BARDOT                 | 3.3 |
| PENNCROSS              | 3.3 |
| PROVIDENCE             | 3.3 |
| REGENT (NORMARC 101)   | 3.3 |
| ALLURE                 | 3.0 |
| CARMEN                 | 3.0 |
| LOPEZ (WVPB 89-D-15)   | 3.0 |
| SR 1020                | 3.0 |
| PENNLINKS              | 2.7 |
| EGMONT                 | 2.0 |
| LSD VALUE              | 2.2 |

1/ PYTHIUM BLIGHT RATED IN 1991 ONLY.

2/ 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) .

TABLE 23. PYTHIUM ROOT ROT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 2/

| NAME                   | NY1 |
|------------------------|-----|
| TRACENTA               | 8.0 |
| COBRA                  | 7.3 |
| EGMONT                 | 7.3 |
| VIPER (88.CBL)         | 7.3 |
| PENNCROSS              | 7.0 |
| PRO/CUP (FORBES 89-12) | 7.0 |
| PROVIDENCE             | 7.0 |
| SR 1020                | 7.0 |
| PENNLINKS              | 6.7 |
| EMERALD                | 6.0 |
| REGENT (NORMARC 101)   | 6.0 |
| BR 1518                | 5.7 |
| LOPEZ (WVPB 89-D-15)   | 5.7 |
| NATIONAL               | 5.7 |
| PUTTER                 | 5.7 |
| BARDOT                 | 5.3 |
| 88.CBE                 | 5.0 |
| CARMEN                 | 4.7 |
| ALLURE                 | 4.3 |
| LSD VALUE              | 3.2 |

1/ PYTHIUM ROOT ROT RATED IN 1990 ONLY.

2/ 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) .

TABLE 24. SCALPING RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

SCALPING RATINGS 1-9; 9=NONE 2/

| NAME                   | OR3 |
|------------------------|-----|
| LOPEZ (WVPB 89-D-15)   | 8.3 |
| EMERALD                | 7.7 |
| PENNCROSS              | 7.7 |
| VIPER (88.CBL)         | 7.7 |
| 88.CBE                 | 7.3 |
| COBRA                  | 7.3 |
| PENNLINKS              | 7.3 |
| PRO/CUP (FORBES 89-12) | 7.3 |
| PUTTER                 | 7.3 |
| CARMEN                 | 7.0 |
| PROVIDENCE             | 7.0 |
| SR 1020                | 7.0 |
| ALLURE                 | 6.7 |
| BARDOT                 | 6.7 |
| NATIONAL               | 6.7 |
| REGENT (NORMARC 101)   | 6.7 |
| TRACENTA               | 6.7 |
| BR 1518                | 5.7 |
| EGMONT                 | 5.7 |
| LSD VALUE              | 1.1 |

1/ SCALPING RATED IN 1990 ONLY.

2/ 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) .

TABLE 25. SEEDLING DAMPING OFF RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

DAMPING OFF RATINGS 1-9; 9=NO DISEASE 2/

| NAME                   | WA1 |
|------------------------|-----|
| BARDOT                 | 7.0 |
| NATIONAL               | 6.3 |
| REGENT (NORMARC 101)   | 4.7 |
| EMERALD                | 4.3 |
| PENNLINKS              | 4.3 |
| PRO/CUP (FORBES 89-12) | 4.3 |
| CARMEN                 | 4.0 |
| EGMONT                 | 4.0 |
| ALLURE                 | 3.7 |
| BR 1518                | 3.7 |
| PUTTER                 | 3.7 |
| TRACENTA               | 3.7 |
| VIPER (88.CBL)         | 3.7 |
| 88.CBE                 | 3.3 |
| COBRA                  | 3.3 |
| LOPEZ (WVPB 89-D-15)   | 3.3 |
| SR 1020                | 3.3 |
| PROVIDENCE             | 3.0 |
| PENNCROSS              | 2.3 |
| LSD VALUE              | 3.3 |

1/ SEEDLING DAMPING OFF RATED IN 1990 ONLY.

2/ 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) .

TABLE 26. PERCENT POA ANNUA (JANUARY) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT POA ANNUA: LOCATIONS 2/

| NAME                   | CA1  |
|------------------------|------|
| BR 1518                | 74.0 |
| BARDOT                 | 71.0 |
| NATIONAL               | 55.7 |
| TRACENTA               | 50.7 |
| ALLURE                 | 43.3 |
| EMERALD                | 35.3 |
| LOPEZ (WVPB 89-D-15)   | 29.0 |
| PENNCROSS              | 26.0 |
| EGMONT                 | 25.0 |
| 88.CBE                 | 15.0 |
| REGENT (NORMARC 101)   | 13.3 |
| PROVIDENCE             | 11.3 |
| COBRA                  | 11.0 |
| FUTTER                 | 11.0 |
| PENNLINKS              | 10.3 |
| PRO/CUP (FORBES 89-12) | 9.3  |
| CARMEN                 | 7.7  |
| VIPER (88.CBL)         | 7.0  |
| SR 1020                | 4.3  |
| LSD VALUE              | 28.1 |

1/ PERCENT POA ANNUA (JANUARY) RATED IN 1993 ONLY.

2/ 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) .

TABLE 27. PERCENT POA ANNUA (FEBRUARY) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT POA ANNUA: LOCATIONS 2/

| NAME                   | CA1  |
|------------------------|------|
| BR 1518                | 89.3 |
| BARDOT                 | 77.0 |
| ALLURE                 | 71.7 |
| TRACENTA               | 69.3 |
| EGMONT                 | 65.3 |
| EMERALD                | 56.3 |
| NATIONAL               | 47.0 |
| PENNCROSS              | 41.7 |
| LOPEZ (WVPB 89-D-15)   | 40.3 |
| PENNLINKS              | 24.0 |
| 88.CBE                 | 19.0 |
| PRO/CUP (FORBES 89-12) | 18.0 |
| COBRA                  | 17.0 |
| CARMEN                 | 16.7 |
| VIPER (88.CBL)         | 16.3 |
| BUTTER                 | 12.0 |
| PROVIDENCE             | 11.3 |
| REGENT (NORMARC 101)   | 8.7  |
| SR 1020                | 5.7  |
| ISD VALUE              | 34.3 |

1/ PERCENT POA ANNUA (FEBRUARY) RATED IN 1993 ONLY.

2/ 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) .

TABLE 28. PERCENT POA ANNUA (APRIL) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

| PERCENT POA ANNUA: LOCATIONS 2/ |      |      |      |
|---------------------------------|------|------|------|
| NAME                            | CA1  | IL2  | MEAN |
| BR 1518                         | 80.3 | 29.0 | 54.7 |
| ALLURE                          | 75.7 | 26.7 | 51.2 |
| TRACENTA                        | 72.7 | 23.3 | 48.0 |
| BARDOT                          | 69.0 | 25.0 | 47.0 |
| NATIONAL                        | 59.3 | 20.0 | 39.7 |
| EGMONT                          | 56.7 | 13.3 | 35.0 |
| EMERALD                         | 40.3 | 10.0 | 25.2 |
| PENNCROSS                       | 36.7 | 9.3  | 23.0 |
| LOPEZ (WVPB 89-D-15)            | 30.3 | 8.0  | 19.2 |
| 88.CBE                          | 24.7 | 13.3 | 19.0 |
| PUTTER                          | 28.7 | 9.0  | 18.8 |
| VIPER (88.CBL)                  | 20.3 | 15.0 | 17.7 |
| PENNLINKS                       | 27.7 | 5.7  | 16.7 |
| COBRA                           | 21.0 | 10.7 | 15.8 |
| CARMEN                          | 19.3 | 11.7 | 15.5 |
| PRO/CUP (FORBES 89-12)          | 25.3 | 5.0  | 15.2 |
| REGENT (NORMARC 101)            | 18.0 | 7.3  | 12.7 |
| PROVIDENCE                      | 17.0 | 7.7  | 12.3 |
| SR 1020                         | 7.7  | 8.0  | 7.8  |
| LSD VALUE                       | 25.4 | 11.3 | 13.9 |

1/ PERCENT POA ANNUA (APRIL) RATED IN 1993 ONLY.

2/ 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) .

TABLE 29. PERCENT POA ANNUA (MAY) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT POA ANNUA: LOCATIONS 2/

| NAME                   | CA1  |
|------------------------|------|
| TRACENTA               | 69.8 |
| ER 1518                | 69.3 |
| ALLURE                 | 66.5 |
| BARDOT                 | 56.7 |
| NATIONAL               | 53.5 |
| EGMONT                 | 45.0 |
| EMERALD                | 40.3 |
| PENNCROSS              | 28.0 |
| LOPEZ (WVPB 89-D-15)   | 24.8 |
| PENNLINKS              | 18.0 |
| 88.CBE                 | 16.3 |
| REGENT (NORMARC 101)   | 15.5 |
| PRO/CUP (FORBES 89-12) | 13.0 |
| EUTTER                 | 13.0 |
| CARMEN                 | 12.8 |
| VIPER (88.CBL)         | 11.3 |
| COBRA                  | 10.8 |
| PROVIDENCE             | 10.7 |
| SR 1020                | 6.3  |
| ISD VALUE              | 17.9 |

1/ PERCENT POA ANNUA (MAY) RATED IN 1992 & 1993.

2/ 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) .

TABLE 30. PERCENT POA ANNUA (JUNE) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT POA ANNUA: LOCATIONS 2/

| NAME                   | CA1  |
|------------------------|------|
| TRACENTA               | 56.7 |
| BARDOT                 | 43.3 |
| BR 1518                | 43.3 |
| ALLURE                 | 33.3 |
| NATIONAL               | 30.0 |
| EGMONT                 | 24.0 |
| EMERALD                | 18.3 |
| 88.CBE                 | 10.0 |
| LOPEZ (WVPB 89-D-15)   | 10.0 |
| PENNCROSS              | 10.0 |
| REGENT (NORMARC 101)   | 10.0 |
| PENNLINKS              | 6.7  |
| CARMEN                 | 5.0  |
| COBRA                  | 5.0  |
| PRO/CUP (FORBES 89-12) | 5.0  |
| PROVIDENCE             | 5.0  |
| FUTTER                 | 5.0  |
| VIPER (88.CBL)         | 5.0  |
| SR 1020                | 3.3  |
| ISD VALUE              | 18.8 |

1/ PERCENT POA ANNUA (JUNE) RATED IN 1992 ONLY.

2/ 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).

TABLE 31. PERCENT POA ANNUA (JULY) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT POA ANNUA: LOCATIONS 2/

| NAME                   | CA1  |
|------------------------|------|
| BR 1518                | 74.0 |
| TRACENTA               | 66.3 |
| ALLURE                 | 51.5 |
| EMERALD                | 50.3 |
| EGMONT                 | 49.8 |
| BARDOT                 | 48.7 |
| NATIONAL               | 47.2 |
| PENNCROSS              | 37.0 |
| LOPEZ (WVPB 89-D-15)   | 29.2 |
| 88.CBE                 | 27.0 |
| CARMEN                 | 23.8 |
| COBRA                  | 19.2 |
| PRO/CUP (FORBES 89-12) | 16.2 |
| FUTTER                 | 14.8 |
| REGENT (NORMARC 101)   | 14.5 |
| PROVIDENCE             | 11.2 |
| VIPER (88.CBL)         | 10.8 |
| PENNLINKS              | 10.3 |
| SR 1020                | 6.7  |
| ISD VALUE              | 30.2 |

1/ PERCENT POA ANNUA (JULY) RATED IN 1992 & 1993.

2/ 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) .

TABLE 32. PERCENT POA ANNUA (AUGUST) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT POA ANNUA: LOCATIONS 2/

| NAME                   | CA1  |
|------------------------|------|
| BR 1518                | 66.7 |
| BARDOT                 | 48.3 |
| TRACENTA               | 48.3 |
| ALLURE                 | 45.0 |
| NATIONAL               | 30.0 |
| EGMONT                 | 28.3 |
| 88.CBE                 | 15.0 |
| EMERALD                | 15.0 |
| LOPEZ (WVPB 89-D-15)   | 15.0 |
| PENNCROSS              | 13.3 |
| COBRA                  | 11.7 |
| VIPER (88.CBL)         | 10.0 |
| CARMEN                 | 8.3  |
| FUTTER                 | 8.3  |
| REGENT (NORMARC 101)   | 8.3  |
| PENNLINKS              | 6.7  |
| PROVIDENCE             | 6.7  |
| PRO/CUP (FORBES 89-12) | 5.0  |
| SR 1020                | 5.0  |
| ISD VALUE              | 18.7 |

1/ PERCENT POA ANNUA (AUGUST) RATED IN 1992 ONLY.

2/ 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) .

TABLE 33. PERCENT POA ANNUA (SEPTEMBER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT POA ANNUA: LOCATIONS 2/

| NAME                   | CA1  |
|------------------------|------|
| BR 1518                | 62.3 |
| BARDOT                 | 42.3 |
| TRACENTA               | 41.7 |
| ALLURE                 | 41.0 |
| EGMONT                 | 31.3 |
| NATIONAL               | 22.3 |
| EMERALD                | 14.0 |
| LOPEZ (WVPB 89-D-15)   | 10.7 |
| COBRA                  | 9.3  |
| PENNCROSS              | 8.3  |
| 88.CBE                 | 7.7  |
| CARMEN                 | 7.7  |
| FUTTER                 | 6.0  |
| PROVIDENCE             | 5.3  |
| REGENT (NORMARC 101)   | 5.3  |
| PENNLINKS              | 5.0  |
| VIPER (88.CBL)         | 4.3  |
| PRO/CUP (FORBES 89-12) | 3.0  |
| SR 1020                | 2.0  |
| ISD VALUE              | 17.5 |

1/ PERCENT POA ANNUA (SEPTEMBER) RATED IN 1992 ONLY.

2/ 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) .

TABLE 34. PERCENT POA ANNUA (OCTOBER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

PERCENT POA ANNUA: LOCATIONS 2/

| NAME                   | CA1  |
|------------------------|------|
| NATIONAL               | 94.7 |
| TRACENTA               | 94.3 |
| ALLURE                 | 93.3 |
| PENNCROSS              | 92.0 |
| REGENT (NORMARC 101)   | 91.0 |
| BARDOT                 | 90.0 |
| EGMONT                 | 90.0 |
| BR 1518                | 87.3 |
| EMERALD                | 86.0 |
| PRO/CUP (FORBES 89-12) | 86.0 |
| CARMEN                 | 83.0 |
| PROVIDENCE             | 82.0 |
| VIPER (88.CBL)         | 78.7 |
| LOPEZ (WVPB 89-D-15)   | 77.0 |
| PENNLINKS              | 75.0 |
| 88.CBE                 | 71.3 |
| PUTTER                 | 68.7 |
| SR 1020                | 65.7 |
| COBRA                  | 60.3 |
| ISD VALUE              | 30.0 |

1/ PERCENT POA ANNUA (OCTOBER) RATED IN 1993 ONLY.

2/ 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) .

TABLE 35. PERCENT POA ANNUA (MEAN) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A NATIVE SOIL GREEN 1/  
1990-1993 DATA

| PERCENT POA ANNUA: LOCATIONS 2/ |      |      |      |
|---------------------------------|------|------|------|
| NAME                            | CA1  | IL2  | MEAN |
| BR 1518                         | 70.5 | 29.0 | 49.7 |
| TRACENTA                        | 63.1 | 23.3 | 43.2 |
| ALLURE                          | 56.8 | 26.7 | 41.7 |
| BARDOT                          | 58.2 | 25.0 | 41.6 |
| NATIONAL                        | 47.6 | 20.0 | 33.8 |
| EGMONT                          | 44.7 | 13.3 | 29.0 |
| EMERALD                         | 38.8 | 10.0 | 24.4 |
| PENNCROSS                       | 30.8 | 9.3  | 20.0 |
| LOPEZ (WVPB 89-D-15)            | 27.7 | 8.0  | 17.8 |
| 88.CBE                          | 21.7 | 13.3 | 17.5 |
| VIPER (88.CBL)                  | 16.0 | 15.0 | 15.5 |
| CARMEN                          | 18.9 | 11.7 | 15.3 |
| COBRA                           | 16.9 | 10.7 | 13.8 |
| REGENT (NORMARC 101)            | 18.6 | 7.3  | 12.9 |
| PUTTER                          | 16.8 | 9.0  | 12.9 |
| PENNLINKS                       | 18.2 | 5.7  | 11.9 |
| PROVIDENCE                      | 15.7 | 7.7  | 11.7 |
| PRO/CUP (FORBES 89-12)          | 17.9 | 5.0  | 11.4 |
| SR 1020                         | 10.2 | 8.0  | 9.1  |
| LSD VALUE                       | 20.9 | 11.3 | 14.8 |

1/ PERCENT POA ANNUA (MEAN) RATED AT "CA1" IN 1992 & 1993 AND AT "IL2" IN 1993.

2/ 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) .