

## **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.

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LOCATIONS SUBMITTING DATA FOR 1995

| <u>State</u> | <u>Location</u> | <u>Code</u> |
|--------------|-----------------|-------------|
| Idaho        | Rathdrum        | ID3         |
| Illinois     | Carbondale      | IL2         |
| Iowa         | Ames            | IA1         |
| Maryland     | Beltsville      | UB1         |
| New Jersey   | North Brunswick | NJ1         |
| New Jersey   | Pittstown       | NJ2         |
| Rhode Island | Kingston        | RI1         |
| Virginia     | Norton          | VA6         |

## 1990 NATIONAL KENTUCKY BLUEGRASS TEST

(Low Maintenance)

## Entries and Sponsors

| Entry No. | Name                  | Sponsor                   | Entry No. | Name                    | Sponsor                   |
|-----------|-----------------------|---------------------------|-----------|-------------------------|---------------------------|
| 1         | Monopoly              | Peterson Seed Company     | 36        | PST-YQ                  | Pure-Seed Testing, Inc.   |
| 2         | Merit                 | Full Circle, Inc.         | 37        | PST-A7-111              | Pure-Seed Testing, Inc.   |
| 3         | Park                  | Norfarm Seeds             | 38        | Liberty                 | Zajac Performance Seeds   |
| 4         | Kyosti                | Norfarm Seeds             | 39        | Suffolk                 | Jacklin/Loft's Seed, Inc. |
| 5         | Baron                 | Barenbrug Holland         | 40        | Amazon                  | Jacklin Seed Company      |
| 6         | Barzan                | Barenbrug Holland         | 41        | Destiny                 | Jonathan Green & Son      |
| 7         | Barsweet              | Barenbrug Holland         | 42        | Banjo (H76-1034)        | International Seeds, Inc. |
| 8         | Bartitia              | Barenbrug Holland         | 43        | Washington              | Cascade Inter./Jon. Green |
| 9         | BAR VB 852            | Barenbrug Holland         | 44        | Freedom                 | Jacklin Seed Company      |
| 10        | Baronie (BAR VB 985)  | Barenbrug Holland         | 45        | Merion                  | -                         |
| 11        | Minnfine (MN 2405)    | Univ. of Minnesota        | 46        | NuStar                  | Jacklin Seed Company      |
| 12        | Bronco                | Pickseed West             | 47        | Caliber (J-335)         | Peterson Seed Company     |
| 13        | Crest                 | Pickseed West             | 48        | J-386                   | Jacklin Seed Company      |
| 14        | Ba 78-376             | O. M. Scott & Son         | 49        | NuBlue (J-229)          | Medalist America          |
| 15        | Ba 74-017             | O. M. Scott & Son         | 50        | Haga                    | E. F. Burlingham & Son    |
| 16        | GEN-RSP               | Genesis Group             | 51        | Opal                    | E. F. Burlingham & Son    |
| 17        | NJIC                  | Rutgers Univ.- C. R. Funk | 52        | SR 2000                 | Seed Research of Oregon   |
| 18        | NE 80-47              | Smith Seed Services       | 53        | Gnome                   | Turf Merchants            |
| 19        | Fortuna               | Cebeco Handelsraad        | 54        | Chelsea                 | Turf Merchants            |
| 20        | Miracle               | Cebeco Handelsraad        | 55        | Cobalt                  | Turf Merchants            |
| 21        | ISI-21                | International Seeds, Inc. | 56        | KWS Pp 13-2             | Turf Merchants            |
| 22        | Sophia                | Advanta Seeds West, Inc.  | 57        | BAR VB 1169             | Barenbrug Holland         |
| 23        | Cynthia               | Advanta Seeds West, Inc.  | 58        | Barcelona (BAR VB 1184) | Barenbrug Holland         |
| 24        | EVB 13.703            | International Seeds, Inc. | 59        | Barmax (BAR VB 7037)    | Barenbrug Holland         |
| 25        | EVB 13.863            | International Seeds, Inc. | 60        | Kenblue                 | -                         |
| 26        | Ram-1                 | Jacklin/Loft's Seed, Inc. | 61        | South Dakota Cert.      | -                         |
| 27        | Belmont (798)         | Loft's Seed, Inc.         | 62        | Alene                   | Seeds, Inc.               |
| 28        | Unknown               | -                         |           |                         |                           |
| 29        | Dellwood (ZPS-84-749) | Zajac Performance Seeds   |           |                         |                           |
| 30        | Livingston            | Turf-Seed, Inc.           |           |                         |                           |
| 31        | PST-C-391             | Pure-Seed Testing, Inc.   |           |                         |                           |
| 32        | Voyager               | Turf-Seed, Inc.           |           |                         |                           |
| 33        | PST-C-303             | Pure-Seed Testing, Inc.   |           |                         |                           |
| 34        | Midnight              | Turf-Seed, Inc.           |           |                         |                           |
| 35        | Unique (PST-C-76)     | Turf-Seed, Inc.           |           |                         |                           |

TABLE A.

1995 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 1990 NATIONAL KENTUCKY BLUEGRASS TEST (LOW MAINTENANCE)

| 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      |
|----------|--------------------|---------|-----------------------------|---------------------------|---------------------------|--------------|--------------------|---------------------------|
| IA1      | SANDY CLAY LOAM    | 7.1-7.5 | 0-60                        | 241-375                   | 0.0-1.0                   | FULL SUN     | 2.6-3.0            | TO PREVENT STRESS         |
| ID3      | SILT LOAM AND SILT | 7.1-7.5 | 61-150                      | 501+                      | 0.0-1.0                   | FULL SUN     | 1.1-1.5            | ONLY DURING SEVERE STRESS |
| IL2      | SILTY CLAY LOAM    | 6.1-6.5 | 271-450                     | 241-375                   | 0.0-1.0                   | FULL SUN     | 2.1-2.5            | NO IRRIGATION             |
| NJ1      | LOAM               | 5.6-6.0 | 151-270                     | 151-240                   | 1.1-2.0                   | FULL SUN     | 2.6-3.0            | NO IRRIGATION             |
| NJ2      | SILT LOAM AND SILT | 5.6-6.0 | 0-60                        | 241-375                   | 0.0-1.0                   | FULL SUN     | 2.6-3.0            | NO IRRIGATION             |
| RI1      | SILT LOAM AND SILT | 6.6-7.0 | -                           | 0-150                     | 1.1-2.0                   | FULL SUN     | 1.6-2.0            | TO PREVENT STRESS         |
| UB1      | SILT LOAM AND SILT | 5.6-6.0 | 0-60                        | 151-240                   | 0.0-1.0                   | FULL SUN     | 1.6-2.0            | NO IRRIGATION             |
| VA6      | SANDY CLAY         | 6.6-7.0 | 151-270                     | 151-240                   | 0.0-1.0                   | FULL SUN     | 2.6-3.0            | NO IRRIGATION             |

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 1995

| LOCATION | MARCH QUALITY RATING | APRIL QUALITY RATING | MAY QUALITY RATING | JUNE QUALITY RATING | JULY QUALITY RATING | AUGUST QUALITY RATING | SEPTEMBER QUALITY RATING | OCTOBER QUALITY RATING | NOVEMBER QUALITY RATING | DECEMBER QUALITY RATING | GENETIC COLOR | SPRING GREENUP | RED THREAD | PERCENT WEEDS |
|----------|----------------------|----------------------|--------------------|---------------------|---------------------|-----------------------|--------------------------|------------------------|-------------------------|-------------------------|---------------|----------------|------------|---------------|
| IA1      |                      |                      | X                  | X                   | X                   | X                     |                          |                        |                         |                         |               |                |            |               |
| ID3      |                      |                      |                    | X                   |                     | X                     |                          | X                      |                         |                         |               |                |            |               |
| IL2      |                      | X                    | X                  | X                   | X                   | X                     | X                        |                        |                         |                         |               | X              |            |               |
| NJ1      | X                    | X                    | X                  | X                   | X                   |                       |                          | X                      | X                       | X                       |               |                |            |               |
| NJ2      |                      | X                    | X                  | X                   | X                   |                       |                          |                        |                         |                         |               |                |            |               |
| RI1      |                      |                      |                    |                     |                     |                       | X                        |                        |                         |                         |               |                |            |               |
| UB1      |                      | X                    | X                  | X                   | X                   | X                     | X                        | X                      | X                       |                         |               | X              |            | X             |
| VA6      |                      | X                    |                    | X                   | X                   | X                     | X                        | X                      |                         |                         | X             |                | X          |               |

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS  
AT EIGHT LOCATIONS IN THE UNITED STATES  
1995 DATA

| NAME                    | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/ |     |     |     |     |     |     |     | MEAN |
|-------------------------|--|-----|-----|-----|-----|-----|-----|-----|------|
|                         | IA1  | ID3 | IL2 | NJ1 | NJ2 | RI1 | UB1 | VA6 |      |
| BAR VB 852              | 5.4  | 4.9 | 5.9 | 5.0 | 4.6 | 5.0 | 5.3 | 3.6 | 4.9  |
| GEN-RSP                 | 4.5  | 3.8 | 5.7 | 5.1 | 4.1 | 4.7 | 4.8 | 4.0 | 4.6  |
| PST-YQ                  | 4.2  | 4.4 | 5.7 | 5.0 | 4.6 | 3.3 | 5.1 | 4.1 | 4.6  |
| * RAM-1                 | 3.2  | 6.0 | 3.1 | 4.4 | 4.8 | 3.7 | 6.0 | 5.3 | 4.6  |
| * BELMONT (798)         | 3.3  | 7.0 | 5.3 | 4.3 | 4.1 | 3.0 | 4.8 | 4.2 | 4.5  |
| * LIVINGSTON            | 3.7  | 4.9 | 4.6 | 4.5 | 4.5 | 3.7 | 4.3 | 4.6 | 4.4  |
| * SR 2000               | 3.5  | 5.6 | 4.5 | 4.9 | 3.8 | 3.3 | 4.3 | 4.8 | 4.3  |
| * BRONCO                | 4.3  | 5.4 | 4.7 | 3.8 | 3.8 | 3.7 | 4.1 | 4.7 | 4.3  |
| * UNIQUE (PST-C-76)     | 3.3  | 5.0 | 5.8 | 4.0 | 4.4 | 3.3 | 4.0 | 4.4 | 4.3  |
| * DELLWOOD (ZPS-84-749) | 4.3  | 3.0 | 3.7 | 4.2 | 4.3 | 5.3 | 5.0 | 4.3 | 4.3  |
| * WASHINGTON            | 4.2  | 4.8 | 3.4 | 4.5 | 4.9 | 3.3 | 4.9 | 4.1 | 4.3  |
| * MIDNIGHT              | 2.8  | 7.0 | 5.4 | 4.3 | 2.9 | 2.7 | 4.1 | 4.8 | 4.2  |
| EVB 13.703              | 4.1  | 4.6 | 4.8 | 5.1 | 4.1 | 1.7 | 4.7 | 4.6 | 4.2  |
| * KYOSTI                | 3.6  | 6.0 | 3.8 | 4.0 | 3.7 | 3.3 | 3.8 | 5.2 | 4.2  |
| * FREEDOM               | 3.3  | 5.2 | 5.2 | 4.0 | 3.6 | 3.3 | 4.3 | 4.4 | 4.2  |
| PST-C-391               | 4.4  | 5.2 | 5.2 | 3.2 | 3.8 | 3.3 | 3.7 | 4.3 | 4.2  |
| * BARON                 | 4.4  | 6.4 | 3.7 | 3.4 | 3.7 | 3.0 | 3.5 | 5.0 | 4.1  |
| * MERIT                 | 3.5  | 5.3 | 3.2 | 3.8 | 3.9 | 3.0 | 5.5 | 4.9 | 4.1  |
| * VOYAGER               | 4.9  | 3.9 | 4.2 | 4.1 | 3.9 | 4.0 | 3.9 | 4.2 | 4.1  |
| * HAGA                  | 4.1  | 5.0 | 3.7 | 3.8 | 3.8 | 3.7 | 4.8 | 4.3 | 4.1  |
| * CREST                 | 3.0  | 6.6 | 4.2 | 3.8 | 3.9 | 2.7 | 4.3 | 4.5 | 4.1  |
| * COBALT                | 3.2  | 4.8 | 4.8 | 4.6 | 3.7 | 3.0 | 4.3 | 4.5 | 4.1  |
| * BARONIE (BAR VB 985)  | 3.4  | 5.3 | 5.4 | 4.2 | 3.9 | 3.0 | 3.4 | 4.1 | 4.1  |
| * GNOME                 | 3.8  | 6.4 | 4.6 | 2.9 | 3.9 | 2.0 | 4.7 | 4.4 | 4.1  |
| * NUSTAR                | 3.8  | 6.0 | 3.8 | 3.5 | 3.6 | 2.3 | 5.3 | 4.3 | 4.1  |
| NJIC                    | 4.0  | 3.8 | 4.2 | 4.5 | 3.9 | 3.7 | 4.0 | 4.3 | 4.1  |
| ISI-21                  | 3.8  | 3.3 | 5.0 | 5.0 | 4.0 | 3.0 | 4.3 | 4.0 | 4.0  |
| * MONOPOLY              | 4.3  | 4.0 | 4.0 | 3.8 | 3.9 | 3.3 | 4.7 | 4.3 | 4.0  |
| * MIRACLE               | 4.0  | 6.4 | 3.8 | 3.8 | 3.8 | 3.3 | 3.4 | 3.8 | 4.0  |
| * CYNTHIA               | 4.1  | 3.9 | 3.9 | 3.9 | 3.8 | 4.7 | 4.2 | 3.9 | 4.0  |
| * AMAZON                | 4.0  | 3.7 | 4.4 | 4.1 | 3.4 | 3.0 | 5.1 | 4.2 | 4.0  |
| UNKNOWN                 | 2.5  | 6.3 | 4.8 | 2.8 | 3.9 | 2.3 | 4.5 | 4.7 | 4.0  |
| * SOPHIA                | 3.5  | 4.3 | 3.7 | 3.7 | 3.9 | 3.0 | 5.0 | 4.5 | 4.0  |
| * LIBERTY               | 3.8  | 4.7 | 5.1 | 3.9 | 3.5 | 2.7 | 3.4 | 4.3 | 3.9  |
| J-386                   | 3.3  | 4.3 | 4.2 | 3.0 | 4.3 | 3.3 | 4.8 | 4.2 | 3.9  |
| BA 74-017               | 3.3  | 4.7 | 4.0 | 3.2 | 3.6 | 4.0 | 4.0 | 4.4 | 3.9  |
| * MERION                | 3.8  | 4.2 | 4.3 | 4.2 | 3.4 | 2.0 | 4.5 | 4.6 | 3.9  |
| * NUBLUE (J-229)        | 4.1  | 4.8 | 4.1 | 3.0 | 3.5 | 3.7 | 3.6 | 4.1 | 3.9  |
| PST-C-303               | 3.5  | 4.3 | 4.6 | 3.8 | 3.8 | 3.7 | 3.5 | 3.6 | 3.8  |
| * SUFFOLK               | 3.8  | 3.8 | 4.7 | 3.7 | 4.1 | 3.7 | 3.5 | 3.7 | 3.8  |
| * FORTUNA               | 3.0  | 6.3 | 4.6 | 3.1 | 3.3 | 3.0 | 3.6 | 3.8 | 3.8  |
| * BARTITIA              | 2.8  | 5.7 | 3.2 | 3.2 | 4.0 | 3.7 | 3.8 | 4.2 | 3.8  |
| * DESTINY               | 3.4  | 4.3 | 5.6 | 4.0 | 3.1 | 1.7 | 4.3 | 4.0 | 3.8  |
| BA 78-376               | 4.7  | 3.1 | 3.2 | 3.4 | 3.7 | 3.7 | 4.4 | 4.3 | 3.8  |
| * BARZAN                | 3.6  | 5.0 | 4.3 | 3.0 | 3.4 | 4.0 | 3.4 | 3.6 | 3.8  |

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS  
(CONT'D) AT EIGHT LOCATIONS IN THE UNITED STATES  
1995 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF |     |     |     |     |     |     |     |     |      |
|---|-----|-----|-----|-----|-----|-----|-----|-----|------|
| NAME  | IA1 | ID3 | IL2 | NJ1 | NJ2 | RI1 | UB1 | VA6 | MEAN |
| * PARK                                      | 5.2 | 2.0 | 3.4 | 3.4 | 3.8 | 4.0 | 4.4 | 4.2 | 3.8  |
| * CALIBER (J-335)                           | 3.3 | 3.2 | 4.8 | 3.6 | 3.9 | 2.3 | 4.5 | 4.3 | 3.8  |
| * BANJO (H76-1034)                          | 4.3 | 3.3 | 3.6 | 4.8 | 3.6 | 3.0 | 3.7 | 3.8 | 3.7  |
| * OPAL                                      | 3.3 | 2.6 | 4.0 | 3.3 | 4.2 | 3.0 | 5.1 | 4.6 | 3.7  |
| NE 80-47                                    | 3.3 | 3.3 | 4.3 | 3.8 | 4.0 | 3.0 | 3.8 | 4.2 | 3.7  |
| PST-A7-111                                  | 4.1 | 3.3 | 3.0 | 4.2 | 3.4 | 2.7 | 4.7 | 4.1 | 3.7  |
| EVB 13.863                                  | 3.2 | 5.9 | 3.2 | 3.3 | 3.1 | 2.7 | 4.3 | 3.7 | 3.7  |
| * CHELSEA                                   | 3.6 | 3.9 | 4.2 | 2.8 | 3.8 | 2.7 | 4.2 | 4.2 | 3.7  |
| KWS PP 13-2                                 | 3.3 | 3.8 | 4.9 | 3.1 | 3.8 | 2.7 | 3.5 | 4.1 | 3.6  |
| BAR VB 1169                                 | 3.8 | 3.1 | 3.8 | 3.5 | 3.8 | 2.3 | 4.5 | 4.2 | 3.6  |
| * ALENE                                     | 5.0 | 3.3 | 3.6 | 3.4 | 3.4 | 3.0 | 3.7 | 3.5 | 3.6  |
| * BARCELONA (BAR VB 1184)                   | 3.1 | 4.7 | 2.9 | 3.5 | 3.3 | 3.0 | 3.7 | 4.3 | 3.6  |
| * BARSWEET                                  | 2.8 | 2.9 | 3.3 | 4.1 | 3.7 | 3.0 | 4.2 | 4.2 | 3.5  |
| * BARMAX (BAR VB 7037)                      | 4.2 | 1.7 | 4.1 | 3.0 | 4.3 | 2.3 | 4.1 | 4.3 | 3.5  |
| * KENBLUE                                   | 5.2 | 2.7 | 3.5 | 2.6 | 2.8 | 2.3 | 4.1 | 3.4 | 3.3  |
| MINNFINE (MN 2405)                          | 5.3 | 1.8 | 3.7 | 2.7 | 2.9 | 2.7 | 3.4 | 4.1 | 3.3  |
| * SOUTH DAKOTA CERT.                        | 4.5 | 3.1 | 2.8 | 3.0 | 3.3 | 2.3 | 3.4 | 3.9 | 3.3  |
| LSD VALUE                                   | 1.1 | 1.8 | 0.9 | 1.1 | 1.0 | 1.6 | 1.3 | 0.7 | 0.4  |

\* COMMERCIALY AVAILABLE IN THE USA IN 1996.

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 KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS FOR EACH MONTH GROWN AT EIGHT LOCATIONS IN THE UNITED STATES  
1995 DATA

| NAME                  | TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS |     |     |     |     |     |     |     |     |     | MEAN |
|-----------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                       | MAR   | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |      |
| BAR VB 852            | 3.7   | 4.8 | 6.1 | 5.7 | 4.7 | 4.5 | 4.1 | 4.3 | 5.3 | 5.3 | 4.9  |
| GEN-RSP               | 5.0   | 4.2 | 4.6 | 4.0 | 4.2 | 4.3 | 4.7 | 6.0 | 6.8 | 7.3 | 4.6  |
| PST-YQ                | 4.3   | 5.0 | 5.5 | 5.2 | 4.6 | 3.8 | 3.8 | 5.0 | 5.3 | 6.0 | 4.6  |
| RAM-1                 | 3.7   | 4.9 | 5.0 | 5.0 | 4.3 | 4.2 | 3.5 | 5.4 | 5.5 | 4.7 | 4.6  |
| BELMONT (798)         | 5.0   | 5.0 | 5.1 | 5.2 | 3.9 | 4.4 | 3.4 | 4.9 | 4.3 | 3.3 | 4.5  |
| LIVINGSTON            | 4.7   | 4.8 | 5.2 | 4.9 | 4.2 | 3.5 | 3.8 | 4.5 | 3.8 | 5.0 | 4.4  |
| SR 2000               | 5.3   | 5.0 | 4.9 | 4.5 | 3.8 | 4.2 | 3.3 | 4.8 | 4.8 | 6.3 | 4.3  |
| BRONCO                | 3.0   | 4.3 | 4.9 | 4.9 | 4.3 | 4.5 | 3.6 | 4.1 | 3.3 | 3.0 | 4.3  |
| UNIQUE (PST-C-76)     | 3.3   | 4.9 | 4.7 | 5.0 | 4.5 | 3.8 | 3.5 | 4.4 | 4.2 | 2.7 | 4.3  |
| DELLWOOD (ZPS-84-749) | 4.3   | 4.5 | 4.5 | 4.2 | 4.4 | 3.3 | 4.1 | 4.6 | 5.0 | 3.3 | 4.3  |
| WASHINGTON            | 4.7   | 4.7 | 4.9 | 4.7 | 4.3 | 3.7 | 3.0 | 4.6 | 4.0 | 5.7 | 4.3  |
| MIDNIGHT              | 2.0   | 4.5 | 4.9 | 5.0 | 3.8 | 4.3 | 3.3 | 4.9 | 4.2 | 5.0 | 4.2  |
| EVB 13.703            | 6.3   | 5.2 | 5.1 | 5.0 | 4.3 | 4.1 | 3.3 | 4.3 | 4.0 | 4.3 | 4.2  |
| KYOSTI                | 3.3   | 4.5 | 4.4 | 4.6 | 3.9 | 4.3 | 3.5 | 4.7 | 3.2 | 2.3 | 4.2  |
| FREEDOM               | 6.0   | 5.1 | 5.0 | 4.8 | 3.4 | 3.5 | 3.3 | 4.4 | 3.7 | 3.3 | 4.2  |
| PST-C-391             | 5.3   | 5.0 | 5.2 | 5.0 | 3.4 | 3.6 | 3.1 | 3.7 | 2.7 | 2.3 | 4.2  |
| MERIT                 | 2.7   | 4.3 | 4.5 | 4.7 | 4.2 | 4.4 | 3.8 | 4.6 | 4.3 | 2.7 | 4.1  |
| BARON                 | 2.7   | 4.1 | 4.5 | 5.0 | 3.8 | 4.4 | 3.0 | 4.3 | 2.7 | 1.7 | 4.1  |
| VOYAGER               | 6.0   | 4.2 | 4.4 | 4.1 | 4.1 | 3.9 | 3.7 | 4.3 | 3.7 | 4.7 | 4.1  |
| HAGA                  | 5.0   | 4.3 | 4.6 | 4.7 | 3.7 | 3.7 | 3.3 | 4.7 | 4.0 | 3.3 | 4.1  |
| CREST                 | 2.7   | 4.7 | 4.5 | 4.8 | 4.0 | 4.3 | 3.0 | 4.0 | 3.7 | 3.0 | 4.1  |
| COBALT                | 6.0   | 4.9 | 4.9 | 4.6 | 3.9 | 4.0 | 3.3 | 3.9 | 3.8 | 4.7 | 4.1  |
| BARONIE (BAR VB 985)  | 7.0   | 4.7 | 4.9 | 4.4 | 3.4 | 3.7 | 3.3 | 4.5 | 3.0 | 3.3 | 4.1  |
| GNOME                 | 2.3   | 4.7 | 4.5 | 4.8 | 3.9 | 4.3 | 3.2 | 4.7 | 3.2 | 2.0 | 4.1  |
| NUSTAR                | 2.7   | 4.5 | 4.7 | 4.6 | 3.9 | 4.1 | 3.1 | 4.7 | 4.3 | 4.0 | 4.1  |
| NJIC                  | 6.7   | 4.8 | 4.2 | 3.8 | 3.8 | 3.7 | 3.4 | 4.6 | 4.3 | 6.0 | 4.1  |
| ISI-21                | 5.7   | 4.6 | 4.6 | 4.0 | 3.8 | 3.7 | 3.7 | 4.8 | 5.2 | 7.0 | 4.0  |
| MONOPOLY              | 3.7   | 4.1 | 4.9 | 4.5 | 4.1 | 4.0 | 3.4 | 4.2 | 4.0 | 3.0 | 4.0  |
| MIRACLE               | 4.3   | 4.3 | 4.0 | 5.0 | 3.8 | 3.9 | 2.9 | 3.8 | 2.3 | 3.0 | 4.0  |
| CYNTHIA               | 2.3   | 3.7 | 4.3 | 4.5 | 4.2 | 3.7 | 3.3 | 4.0 | 4.0 | 4.7 | 4.0  |
| AMAZON                | 2.0   | 4.5 | 5.1 | 5.0 | 4.1 | 3.7 | 3.4 | 3.8 | 3.8 | 3.7 | 4.0  |
| UNKNOWN               | 2.7   | 4.7 | 4.2 | 4.7 | 4.1 | 3.9 | 3.0 | 4.4 | 3.0 | 2.3 | 4.0  |
| SOPHIA                | 2.0   | 4.7 | 5.1 | 5.0 | 4.1 | 3.3 | 3.0 | 3.9 | 3.5 | 2.7 | 4.0  |
| J-386                 | 3.0   | 4.2 | 4.6 | 4.3 | 3.6 | 4.0 | 3.5 | 4.0 | 3.2 | 3.0 | 3.9  |
| BA 74-017             | 2.3   | 4.3 | 4.1 | 4.2 | 3.7 | 3.8 | 3.3 | 4.4 | 3.0 | 2.3 | 3.9  |
| LIBERTY               | 5.7   | 4.7 | 4.8 | 4.6 | 3.5 | 3.4 | 3.1 | 3.8 | 3.0 | 3.3 | 3.9  |
| MERION                | 3.3   | 4.6 | 4.7 | 4.8 | 3.9 | 3.9 | 3.3 | 4.0 | 4.0 | 3.7 | 3.9  |
| NUBLUE (J-229)        | 3.0   | 4.1 | 4.6 | 4.3 | 3.7 | 3.6 | 2.8 | 3.7 | 2.5 | 2.3 | 3.9  |
| PST-C-303             | 6.0   | 5.0 | 4.7 | 4.0 | 3.3 | 3.2 | 3.0 | 3.8 | 2.7 | 3.3 | 3.8  |
| SUFFOLK               | 6.3   | 5.1 | 4.6 | 4.2 | 3.4 | 2.9 | 2.9 | 3.6 | 2.7 | 3.0 | 3.8  |
| FORTUNA               | 2.3   | 4.0 | 4.0 | 4.5 | 3.6 | 3.9 | 3.2 | 3.8 | 3.0 | 2.3 | 3.8  |
| BARTITIA              | 3.0   | 3.7 | 3.9 | 4.9 | 3.8 | 3.3 | 2.8 | 3.7 | 2.8 | 2.3 | 3.8  |
| DESTINY               | 6.0   | 5.0 | 4.8 | 4.7 | 3.8 | 3.7 | 2.9 | 3.8 | 3.5 | 2.3 | 3.8  |
| BA 78-376             | 4.3   | 4.4 | 4.0 | 3.4 | 4.1 | 3.8 | 3.4 | 4.2 | 3.5 | 2.7 | 3.8  |
| BARZAN                | 3.0   | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.0 | 3.6 | 2.5 | 2.7 | 3.8  |



TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) CULTIVARS FOR  
(CONT'D) EACH MONTH GROWN AT EIGHT LOCATIONS IN THE UNITED STATES  
1995 DATA

| TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS |     |     |     |     |     |     |     |     |     |     |      |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| NAME  | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MEAN |
| PARK  | 4.7 | 4.3 | 4.1 | 3.6 | 4.1 | 3.5 | 3.7 | 3.8 | 3.8 | 2.0 | 3.8  |
| CALIBER (J-335)                                     | 3.7 | 4.5 | 4.6 | 4.7 | 3.9 | 3.5 | 3.3 | 3.3 | 3.3 | 4.3 | 3.8  |
| BANJO (H76-1034)                                    | 4.0 | 4.2 | 4.0 | 3.8 | 3.7 | 3.4 | 3.2 | 4.4 | 4.7 | 6.0 | 3.7  |
| OPAL  | 3.0 | 4.5 | 4.7 | 4.5 | 4.1 | 3.3 | 3.2 | 3.5 | 3.7 | 2.7 | 3.7  |
| NE 80-47  | 3.7 | 4.9 | 4.7 | 4.0 | 3.4 | 3.1 | 3.3 | 3.5 | 3.5 | 4.3 | 3.7  |
| PST-A7-111  | 4.3 | 4.6 | 4.3 | 3.3 | 3.3 | 3.2 | 2.8 | 5.3 | 5.0 | 6.0 | 3.7  |
| EVB 13.863  | 2.0 | 3.7 | 3.8 | 4.3 | 3.7 | 3.8 | 2.9 | 4.2 | 3.3 | 1.7 | 3.7  |
| CHELSEA   | 2.0 | 3.8 | 4.4 | 4.3 | 4.0 | 3.7 | 3.2 | 3.6 | 2.8 | 2.0 | 3.7  |
| KWS PP 13-2   | 3.0 | 4.4 | 4.3 | 4.0 | 3.9 | 3.6 | 3.2 | 3.3 | 2.7 | 3.0 | 3.6  |
| BAR VB 1169   | 5.0 | 4.4 | 4.7 | 4.4 | 3.8 | 3.5 | 2.8 | 3.2 | 3.2 | 2.7 | 3.6  |
| ALENE   | 4.3 | 3.9 | 4.4 | 3.6 | 3.5 | 3.5 | 3.0 | 3.8 | 3.0 | 3.3 | 3.6  |
| BARCELONA (BAR VB 1184)                             | 3.7 | 3.2 | 3.7 | 4.8 | 3.8 | 3.3 | 2.7 | 3.3 | 2.5 | 2.7 | 3.6  |
| BARSWEEP  | 2.3 | 4.0 | 4.5 | 4.6 | 4.1 | 2.7 | 2.7 | 3.2 | 3.5 | 3.0 | 3.5  |
| BARMAX (BAR VB 7037)                                | 2.3 | 4.3 | 4.5 | 4.5 | 4.3 | 3.2 | 2.8 | 2.6 | 2.5 | 2.0 | 3.5  |
| KENBLUE   | 2.3 | 3.6 | 3.5 | 3.0 | 3.7 | 3.5 | 2.8 | 4.0 | 3.8 | 3.3 | 3.3  |
| MINNFINE (MN 2405)                                  | 2.7 | 3.4 | 3.6 | 3.0 | 3.9 | 3.7 | 3.3 | 3.5 | 3.2 | 2.7 | 3.3  |
| SOUTH DAKOTA CERT.                                  | 4.0 | 3.9 | 3.9 | 3.2 | 3.4 | 3.3 | 2.5 | 3.5 | 2.7 | 3.0 | 3.3  |
| LSD VALUE   | 1.7 | 0.9 | 0.8 | 0.8 | 0.8 | 1.0 | 1.0 | 1.2 | 1.5 | 1.9 | 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 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE) 1/  
CULTIVARS AT EIGHT LOCATIONS IN THE UNITED STATES  
1995 DATA

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

| NAME                  | IA1  | ID3  | IL2  | NJ1  | NJ2  | RI1  | UB1  | VA6  | MEAN |
|-----------------------|------|------|------|------|------|------|------|------|------|
| BAR VB 852            | 1.0  | 23.5 | 1.0  | 4.5  | 3.5  | 2.0  | 4.0  | 60.0 | 1.0  |
| GEN-RSP               | 8.5  | 44.5 | 4.0  | 1.5  | 12.5 | 3.5  | 13.0 | 49.0 | 2.0  |
| PST-YQ                | 17.0 | 32.0 | 3.0  | 3.0  | 3.5  | 23.5 | 5.5  | 41.5 | 3.0  |
| RAM-1                 | 54.0 | 10.0 | 59.0 | 12.0 | 2.0  | 13.5 | 1.0  | 1.0  | 4.0  |
| BELMONT (798)         | 50.5 | 1.5  | 8.0  | 13.0 | 12.5 | 36.0 | 14.0 | 37.0 | 5.0  |
| LIVINGSTON            | 34.0 | 23.5 | 20.0 | 9.0  | 5.0  | 13.5 | 26.0 | 10.0 | 6.0  |
| SR 2000               | 39.5 | 14.0 | 24.0 | 6.0  | 34.5 | 23.5 | 28.5 | 5.5  | 7.0  |
| BRONCO                | 14.0 | 15.0 | 18.0 | 30.5 | 34.5 | 13.5 | 37.0 | 7.0  | 8.0  |
| UNIQUE (PST-C-76)     | 46.0 | 21.0 | 2.0  | 22.5 | 6.0  | 23.5 | 41.5 | 18.5 | 9.0  |
| DELLWOOD (ZPS-84-749) | 14.0 | 56.0 | 47.5 | 17.0 | 7.0  | 1.0  | 9.0  | 23.0 | 10.0 |
| WASHINGTON            | 17.0 | 26.0 | 52.0 | 11.0 | 1.0  | 23.5 | 10.0 | 45.5 | 11.0 |
| MIDNIGHT              | 59.5 | 1.5  | 6.5  | 14.0 | 60.5 | 47.5 | 39.0 | 5.5  | 12.0 |
| EVB 13.703            | 21.0 | 31.0 | 16.0 | 1.5  | 12.5 | 61.5 | 16.0 | 12.0 | 13.0 |
| KYOSTI                | 36.0 | 10.0 | 43.0 | 25.0 | 41.0 | 23.5 | 45.5 | 2.0  | 14.0 |
| FREEDOM               | 46.0 | 18.5 | 10.0 | 24.0 | 45.5 | 23.5 | 28.5 | 18.5 | 15.0 |
| PST-C-391             | 10.5 | 18.5 | 9.0  | 49.0 | 29.0 | 23.5 | 47.5 | 28.5 | 16.0 |
| BARON                 | 10.5 | 5.5  | 45.5 | 44.5 | 41.0 | 36.0 | 55.0 | 3.0  | 17.5 |
| MERIT                 | 39.5 | 16.5 | 55.5 | 33.5 | 22.5 | 36.0 | 2.0  | 4.0  | 17.5 |
| VOYAGER               | 6.0  | 39.0 | 32.0 | 19.0 | 22.5 | 6.5  | 43.0 | 37.0 | 19.0 |
| HAGA                  | 21.0 | 21.0 | 47.5 | 33.5 | 34.5 | 13.5 | 11.0 | 23.0 | 20.0 |
| CREST                 | 57.5 | 3.0  | 29.5 | 33.5 | 22.5 | 47.5 | 28.5 | 14.0 | 21.0 |
| COBALT                | 54.0 | 26.0 | 16.0 | 8.0  | 41.0 | 36.0 | 31.5 | 14.0 | 22.0 |
| BARONIE (BAR VB 985)  | 42.5 | 16.5 | 6.5  | 17.0 | 22.5 | 36.0 | 58.0 | 47.0 | 23.0 |
| GNOME                 | 31.0 | 5.5  | 23.0 | 58.0 | 22.5 | 59.5 | 18.0 | 17.0 | 24.0 |
| NUSTAR                | 31.0 | 10.0 | 41.0 | 40.5 | 45.5 | 55.0 | 3.0  | 23.0 | 25.0 |
| NJIC                  | 25.0 | 42.5 | 29.5 | 10.0 | 22.5 | 13.5 | 41.5 | 23.0 | 26.0 |
| ISI-21                | 27.5 | 49.0 | 12.0 | 4.5  | 16.0 | 36.0 | 31.5 | 49.0 | 27.0 |
| MONOPOLY              | 12.0 | 38.0 | 37.0 | 28.5 | 22.5 | 23.5 | 17.0 | 28.5 | 28.0 |
| MIRACLE               | 25.0 | 4.0  | 41.0 | 33.5 | 34.5 | 23.5 | 58.0 | 53.0 | 29.0 |
| CYNTHIA               | 21.0 | 40.5 | 39.0 | 27.0 | 34.5 | 3.5  | 35.0 | 51.5 | 30.0 |
| AMAZON                | 25.0 | 46.0 | 25.0 | 20.5 | 52.0 | 36.0 | 5.5  | 37.0 | 31.0 |
| UNKNOWN               | 62.0 | 7.5  | 14.0 | 59.5 | 22.5 | 55.0 | 21.5 | 8.0  | 32.0 |
| SOPHIA                | 39.5 | 34.5 | 45.5 | 36.0 | 22.5 | 36.0 | 8.0  | 14.0 | 33.0 |
| LIBERTY               | 31.0 | 29.0 | 11.0 | 26.0 | 48.5 | 47.5 | 58.0 | 23.0 | 34.0 |
| J-386                 | 50.5 | 34.5 | 32.0 | 57.0 | 8.5  | 23.5 | 12.0 | 32.0 | 35.0 |
| BA 74-017             | 46.0 | 29.0 | 37.0 | 49.0 | 45.5 | 6.5  | 40.0 | 16.0 | 36.0 |
| MERION                | 31.0 | 37.0 | 26.5 | 15.0 | 52.0 | 59.5 | 19.5 | 9.0  | 37.0 |
| NUBLUE (J-229)        | 21.0 | 26.0 | 34.5 | 55.5 | 48.5 | 13.5 | 51.0 | 43.5 | 38.0 |
| PST-C-303             | 39.5 | 34.5 | 21.5 | 30.5 | 34.5 | 13.5 | 53.5 | 58.5 | 39.0 |
| SUFFOLK               | 31.0 | 42.5 | 19.0 | 37.0 | 12.5 | 13.5 | 56.0 | 57.0 | 40.0 |
| FORTUNA               | 57.5 | 7.5  | 21.5 | 51.5 | 55.5 | 36.0 | 52.0 | 54.5 | 41.0 |
| BARTITIA              | 61.0 | 13.0 | 57.5 | 49.0 | 16.0 | 13.5 | 44.0 | 37.0 | 42.0 |
| DESTINY               | 42.5 | 34.5 | 5.0  | 22.5 | 58.5 | 61.5 | 25.0 | 49.0 | 43.0 |
| BA 78-376             | 7.0  | 53.5 | 57.5 | 44.5 | 41.0 | 13.5 | 23.5 | 28.5 | 44.0 |
| BARZAN                | 36.0 | 21.0 | 26.5 | 53.5 | 52.0 | 6.5  | 61.0 | 58.5 | 45.0 |

TABLE 3.  
(CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS (LOW MAINTENANCE)  
CULTIVARS AT EIGHT LOCATIONS IN THE UNITED STATES  
1995 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

| NAME                    | IA1  | ID3  | IL2  | NJ1  | NJ2  | RI1  | UB1  | VA6  | MEAN |
|-------------------------|------|------|------|------|------|------|------|------|------|
| PARK                    | 3.5  | 60.0 | 53.0 | 42.5 | 34.5 | 6.5  | 23.5 | 37.0 | 46.0 |
| CALIBER (J-335)         | 46.0 | 52.0 | 16.0 | 38.0 | 22.5 | 55.0 | 19.5 | 23.0 | 47.0 |
| BANJO (H76-1034)        | 14.0 | 49.0 | 50.0 | 7.0  | 45.5 | 36.0 | 49.5 | 54.5 | 48.0 |
| OPAL                    | 46.0 | 59.0 | 37.0 | 47.0 | 10.0 | 36.0 | 7.0  | 11.0 | 49.0 |
| NE 80-47                | 50.5 | 49.0 | 28.0 | 28.5 | 16.0 | 36.0 | 45.5 | 32.0 | 50.0 |
| PST-A7-111              | 21.0 | 49.0 | 60.0 | 17.0 | 52.0 | 47.5 | 15.0 | 45.5 | 51.0 |
| EVB 13.863              | 54.0 | 12.0 | 55.5 | 46.0 | 58.5 | 47.5 | 28.5 | 56.0 | 52.0 |
| CHELSEA                 | 36.0 | 40.5 | 32.0 | 59.5 | 29.0 | 47.5 | 33.5 | 32.0 | 53.0 |
| KWS PP 13-2             | 50.5 | 44.5 | 13.0 | 51.5 | 34.5 | 47.5 | 53.5 | 41.5 | 54.0 |
| BAR VB 1169             | 27.5 | 53.5 | 41.0 | 39.0 | 29.0 | 55.0 | 21.5 | 37.0 | 55.0 |
| ALENE                   | 5.0  | 49.0 | 49.0 | 42.5 | 52.0 | 36.0 | 49.5 | 61.0 | 56.0 |
| BARCELONA (BAR VB 1184) | 56.0 | 29.0 | 61.0 | 40.5 | 55.5 | 36.0 | 47.5 | 28.5 | 57.0 |
| BARSWEEP                | 59.5 | 57.0 | 54.0 | 20.5 | 41.0 | 36.0 | 33.5 | 37.0 | 58.0 |
| BARMAX (BAR VB 7037)    | 17.0 | 62.0 | 34.5 | 55.5 | 8.5  | 55.0 | 37.0 | 23.0 | 59.0 |
| KENBLUE                 | 3.5  | 58.0 | 51.0 | 62.0 | 62.0 | 55.0 | 37.0 | 62.0 | 60.0 |
| MINNFINE (MN 2405)      | 2.0  | 61.0 | 44.0 | 61.0 | 60.5 | 47.5 | 61.0 | 43.5 | 61.0 |
| SOUTH DAKOTA CERT.      | 8.5  | 55.0 | 62.0 | 53.5 | 57.0 | 55.0 | 61.0 | 51.5 | 62.0 |

- 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 KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW MAINTENANCE  
1995 DATA

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

| NAME                    | VA6 | NAME                  | VA6 |
|-------------------------|-----|-----------------------|-----|
| MIDNIGHT                | 7.7 | KWS PP 13-2           | 5.7 |
| BEIMONT (798)           | 7.0 | DELLWOOD (ZPS-84-749) | 5.3 |
| SR 2000                 | 7.0 | MERION                | 5.3 |
| UNIQUE (PST-C-76)       | 7.0 | NE 80-47              | 5.3 |
| UNKNOWN                 | 7.0 | NUBLUE (J-229)        | 5.3 |
| BA 74-017               | 6.7 | SUFFOLK               | 5.3 |
| FORTUNA                 | 6.7 | BANJO (H76-1034)      | 5.0 |
| GNOME                   | 6.7 | BARMAX (BAR VB 7037)  | 5.0 |
| OPAL                    | 6.7 | BARONIE (BAR VB 985)  | 5.0 |
| BRONCO                  | 6.3 | BARTITIA              | 5.0 |
| DESTINY                 | 6.3 | BARZAN                | 5.0 |
| KYCSTI                  | 6.3 | CYNTHIA               | 5.0 |
| LIBERTY                 | 6.3 | HAGA                  | 5.0 |
| LIVINGSTON              | 6.3 | J-386                 | 5.0 |
| MERIT                   | 6.3 | MONOPOLY              | 5.0 |
| MIRACLE                 | 6.3 | PST-C-303             | 5.0 |
| NUSTAR                  | 6.3 | PST-YQ                | 5.0 |
| RAM-1                   | 6.3 | EVB 13.863            | 4.7 |
| AMAZON                  | 6.0 | PST-A7-111            | 4.7 |
| BAR VB 1169             | 6.0 | SOUTH DAKOTA CERT.    | 4.7 |
| BARCELONA (BAR VB 1184) | 6.0 | VOYAGER               | 4.7 |
| BARON                   | 6.0 | WASHINGTON            | 4.7 |
| BARSWEEP                | 6.0 | ISI-21                | 4.3 |
| CALIBER (J-335)         | 6.0 | PARK                  | 4.3 |
| COBALT                  | 6.0 | ALENE                 | 4.0 |
| CREST                   | 6.0 | KENBLUE               | 4.0 |
| PST-C-391               | 6.0 | MINNFINE (MN 2405)    | 4.0 |
| SOPHIA                  | 6.0 | NJIC                  | 4.0 |
| BA 78-376               | 5.7 | GEN-RSP               | 3.7 |
| CHELSEA                 | 5.7 | BAR VB 852            | 3.3 |
| EVB 13.703              | 5.7 |                       |     |
| FREEDOM                 | 5.7 | LSD VALUE             | 1.2 |

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).

TABLE 5.

SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW MAINTENANCE  
1995 DATA

| SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 1/ |     |     |      |                         |     |     |      |
|---|-----|-----|------|-------------------------|-----|-----|------|
| NAME  | IL2 | UB1 | MEAN | NAME                    | IL2 | UB1 | MEAN |
| GEN-RSP   | 8.3 | 7.3 | 7.8  | AMAZON                  | 7.0 | 4.0 | 5.5  |
| DELLWOOD (ZPS-84-749)                             | 6.3 | 8.0 | 7.2  | NUSTAR                  | 5.7 | 5.3 | 5.5  |
| WASHINGTON  | 7.0 | 7.3 | 7.2  | OPAL                    | 5.3 | 5.7 | 5.5  |
| NJIC  | 6.3 | 7.3 | 6.8  | PST-YQ                  | 4.7 | 6.3 | 5.5  |
| ALENE   | 6.7 | 6.7 | 6.7  | SOUTH DAKOTA CERT.      | 5.0 | 6.0 | 5.5  |
| DESTINY   | 5.7 | 7.7 | 6.7  | BANJO (H76-1034)        | 3.0 | 7.7 | 5.3  |
| EVB 13.703  | 5.7 | 7.7 | 6.7  | BAR VB 1169             | 5.0 | 5.7 | 5.3  |
| NUBLUE (J-229)                                    | 6.7 | 6.7 | 6.7  | CYNTHIA                 | 5.0 | 5.7 | 5.3  |
| KWS PP 13-2                                       | 6.3 | 7.0 | 6.7  | MINNFINE (MN 2405)      | 5.7 | 5.0 | 5.3  |
| CHELSEA   | 5.7 | 7.5 | 6.6  | MIRACLE                 | 4.7 | 6.0 | 5.3  |
| BA 78-376   | 5.7 | 7.3 | 6.5  | BARZAN                  | 5.3 | 5.3 | 5.3  |
| PST-A7-111  | 7.0 | 6.0 | 6.5  | BARTITIA                | 5.7 | 4.7 | 5.2  |
| ISI-21  | 7.0 | 5.7 | 6.3  | COBALT                  | 5.0 | 5.3 | 5.2  |
| MONOPOLY  | 7.0 | 5.7 | 6.3  | LIVINGSTON              | 5.0 | 5.3 | 5.2  |
| NE 80-47  | 6.0 | 6.7 | 6.3  | GNOME                   | 5.7 | 4.3 | 5.0  |
| SUFFOLK   | 5.7 | 7.0 | 6.3  | BARMAX (BAR VB 7037)    | 4.7 | 4.7 | 4.7  |
| KENBLUE   | 7.3 | 5.3 | 6.3  | BAR VB 852              | 5.0 | 4.3 | 4.7  |
| PST-C-391   | 5.7 | 6.7 | 6.2  | BARONIE (BAR VB 985)    | 4.3 | 4.7 | 4.5  |
| RAM-1   | 5.0 | 7.3 | 6.2  | EVB 13.863              | 3.0 | 6.0 | 4.5  |
| UNIQUE (PST-C-76)                                 | 7.0 | 5.3 | 6.2  | UNKNOWN                 | 4.7 | 4.3 | 4.5  |
| VOYAGER   | 6.3 | 6.0 | 6.2  | BA 74-017               | 4.7 | 4.0 | 4.3  |
| BELMONT (798)                                     | 6.3 | 5.7 | 6.0  | MIDNIGHT                | 4.7 | 4.0 | 4.3  |
| PARK  | 5.3 | 6.7 | 6.0  | KYOSTI                  | 5.0 | 3.7 | 4.3  |
| PST-C-303   | 5.3 | 6.7 | 6.0  | BARCELONA (BAR VB 1184) | 2.3 | 6.0 | 4.2  |
| SR 2000   | 5.3 | 6.7 | 6.0  | MERIT                   | 2.7 | 5.7 | 4.2  |
| CALIBER (J-335)                                   | 6.7 | 5.0 | 5.8  | BARON                   | 4.7 | 3.3 | 4.0  |
| FREEDOM   | 3.3 | 8.3 | 5.8  | BRONCO                  | 3.7 | 4.3 | 4.0  |
| LIBERTY   | 4.7 | 6.7 | 5.7  | CREST                   | 3.7 | 4.3 | 4.0  |
| SOPHIA  | 7.7 | 3.7 | 5.7  | BARSWEEP                | 5.0 | 2.7 | 3.8  |
| HAGA  | 4.3 | 7.0 | 5.7  | FORTUNA                 | 3.7 | 3.7 | 3.7  |
| J-386   | 5.3 | 6.0 | 5.7  |                         |     |     |      |
| MERION  | 5.3 | 6.0 | 5.7  | LSD VALUE               | 2.9 | 1.9 | 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).

TABLE 6. RED THREAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER LOW MAINTENANCE  
1995 DATA

| RED THREAD RATINGS 1-9; 9=NO DISEASE 1/ |     |                       |     |
|---|-----|-----------------------|-----|
| NAME                                    | VA6 | NAME                  | VA6 |
| SR 2000                                 | 6.0 | BARON                 | 4.0 |
| BARZAN                                  | 5.7 | CREST                 | 4.0 |
| CHELSEA                                 | 5.7 | DELLWOOD (ZPS-84-749) | 4.0 |
| FREEDOM                                 | 5.7 | LIBERTY               | 4.0 |
| LIVINGSTON                              | 5.7 | MIDNIGHT              | 4.0 |
| BARCELONA (BAR VB 1184)                 | 5.3 | MONOPOLY              | 4.0 |
| HAGA                                    | 5.3 | NUBLUE (J-229)        | 4.0 |
| RAM-1                                   | 5.3 | PST-A7-111            | 4.0 |
| BAR VB 1169                             | 5.0 | PST-YQ                | 4.0 |
| BARONIE (BAR VB 985)                    | 5.0 | VOYAGER               | 4.0 |
| BARTITIA                                | 5.0 | WASHINGTON            | 4.0 |
| BRONCO                                  | 5.0 | BAR VB 852            | 3.7 |
| KWS PP 13-2                             | 5.0 | EVB 13.703            | 3.7 |
| KYOSTI                                  | 5.0 | FORTUNA               | 3.7 |
| MERIT                                   | 5.0 | GEN-RSP               | 3.7 |
| NE 80-47                                | 5.0 | GNOME                 | 3.7 |
| SOPHIA                                  | 5.0 | NJIC                  | 3.7 |
| ALENE                                   | 4.7 | BARMAX (BAR VB 7037)  | 3.3 |
| AMAZON                                  | 4.7 | CALIBER (J-335)       | 3.3 |
| BANJO (H76-1034)                        | 4.7 | DESTINY               | 3.3 |
| BARSWEEP                                | 4.7 | MIRACLE               | 3.3 |
| CYNTHIA                                 | 4.7 | OPAL                  | 3.3 |
| MERION                                  | 4.7 | BA 74-017             | 3.0 |
| MINNFINE (MN 2405)                      | 4.7 | BELMONT (798)         | 3.0 |
| PST-C-303                               | 4.7 | EVB 13.863            | 3.0 |
| PST-C-391                               | 4.7 | ISI-21                | 3.0 |
| SUFFOLK                                 | 4.7 | J-386                 | 3.0 |
| UNIQUE (PST-C-76)                       | 4.7 | PARK                  | 2.3 |
| COBALT                                  | 4.3 | SOUTH DAKOTA CERT.    | 2.3 |
| NUSTAR                                  | 4.3 | KENBLUE               | 2.0 |
| UNKNOWN                                 | 4.3 |                       |     |
| BA 78-376                               | 4.0 | LSD VALUE             | 2.5 |

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. PERCENT WEED RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
GROWN UNDER LOW MAINTENANCE  
1995 DATA

| NAME                    | UBI  | NAME                  | UBI  |
|-------------------------|------|-----------------------|------|
| BARZAN                  | 97.0 | COBALT                | 69.3 |
| PST-C-391               | 96.3 | CREST                 | 68.3 |
| KWS PP 13-2             | 95.7 | CYNTHIA               | 67.3 |
| KYOSTI                  | 95.7 | MIDNIGHT              | 67.3 |
| SOUTH DAKOTA CERT.      | 95.7 | MIRACLE               | 66.7 |
| ALENE                   | 94.7 | FREEDOM               | 66.3 |
| BARCELONA (BAR VB 1184) | 94.7 | CALIBER (J-335)       | 65.0 |
| PST-C-303               | 94.7 | GNOME                 | 65.0 |
| VOYAGER                 | 92.7 | BRONCO                | 63.3 |
| NUBLUE (J-229)          | 92.3 | MINNFINE (MN 2405)    | 63.3 |
| BARMAX (BAR VB 7037)    | 90.7 | BELMONT (798)         | 61.7 |
| FORTUNA                 | 88.3 | J-386                 | 61.7 |
| NE 80-47                | 84.7 | PARK                  | 61.7 |
| UNIQUE (PST-C-76)       | 81.7 | UNKNOWN               | 60.7 |
| LIBERTY                 | 81.3 | CHELSEA               | 60.0 |
| BANJO (H76-1034)        | 80.3 | DESTINY               | 55.7 |
| BARONIE (BAR VB 985)    | 78.3 | KENBLUE               | 55.0 |
| NJIC                    | 78.3 | BA 78-376             | 51.7 |
| OPAL                    | 76.7 | PST-A7-111            | 50.0 |
| BA 74-017               | 76.3 | PST-YQ                | 50.0 |
| BAR VB 1169             | 75.7 | MONOPOLY              | 49.3 |
| BARON                   | 74.0 | MERIT                 | 43.3 |
| HAGA                    | 74.0 | DELLWOOD (ZPS-84-749) | 41.7 |
| SOPHIA                  | 73.3 | GEN-RSP               | 41.7 |
| EVB 13.703              | 73.0 | NUSTAR                | 41.7 |
| EVB 13.863              | 72.3 | BARSWEEP              | 40.3 |
| BARTITIA                | 71.7 | BAR VB 852            | 38.3 |
| SR 2000                 | 71.7 | WASHINGTON            | 33.3 |
| MERION                  | 71.3 | AMAZON                | 15.0 |
| ISI-21                  | 70.0 | RAM-1                 | 13.3 |
| LIVINGSTON              | 70.0 |                       |      |
| SUFFOLK                 | 70.0 | LSD VALUE             | 47.7 |

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).