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 Commmittees 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 1993

State	Location	Code
Arizona	Tucson	AZ1
California	Santa Clara	CA1
Kentucky	Lexington	KY1
Massachusetts	Deerfield	MA1
Michigan	East Lansing	MI1
Texas	Dallas (Fall traffic applied)	TX1
Texas	Dallas (Winter traffic applied)	TX2
Washington	Puyallup	WA3

1989 NATIONAL BENTGRASS TEST

(Greens-Modified Soil)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	BR 1518	A. castellana (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	18th Green (UM 84-01)	creeping	Johnson Seeds, Ltd.
11	Egmont	A. capillaris (browntop bent)	Olsen-Fennell Seed Co.
12	Regent (Normarc 101)	creeping	Barenbrug USA
13	PRO/CUP (Forbes 89-12)	creeping	Forbes Seed & Grain
14	Lopez (WVPB 89-D-15)	creeping	Finelawn Research Corp.
15	National	creeping	Pickseed West, Inc.
16	88.CBE	creeping	International Seeds, Inc.
17	Viper (88.CBL)	creeping	International Seeds, Inc.
18	Cobra	creeping	International Seeds, Inc.
19	Emerald	creeping	International Seeds, Inc.
20	TAMU 88-1	creeping	Texas A&M University
21	Allure	colonial	Willamette Seed Co.
22	MSCB-6	creeping	Mississippi St. Univ.
23	MSCB-8	creeping	Mississippi St. Univ.

TABLE A. 1993 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 1989 NATIONAL BENTGRASS (MODIFIED 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
AZ1	SAND	7.6-8.5	0-60	0-150	3.1-4.0	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
KY1	SAND	7.6-8.5	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MA1	SAND	4.6-5.5	0-60	0-150	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MI1	SAND	6.6-7.0	-	-	8.1+	FULL SUN	0.0-0.5	TO PREVENT STRESS
TX1	LOAMY SAND	6.1-6.5	0-60	0-150	7.1-8.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
TX2	LOAMY SAND	6.1-6.5	0-60	0-150	7.1-8.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WA3	SAND	5.6-6.0	0-60	151-240	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

TABLE B. LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	JANUARY QUALITY RATINGS	FEBRUARY QUALITY RATINGS	MARCH QUALITY RATINGS	APRIL QUALITY RATINGS	MAY QUALITY RATINGS	JUNE QUALITY RATINGS	JULY QUALITY RATINGS	AUGUST QUALITY RATINGS	SEPTEMBER QUALITY RATINGS	OCTOBER QUALITY RATINGS	NOVEMBER QUALITY RATINGS	DECEMBER QUALITY RATINGS
AZ1	X	X	X	X	X	X	X	X	X			
CA1	X	X	X	X	X	X	X	X	X	X	X	X
KY1			X	X	X	X	X	X	X	X		
MA1				X	X	X	X	X				
MI1					X	X	X	X	X			
TX1	X	X	X	X	X	X	X	X	X	X	X	
TX2	X	X	X	X	X	X	X	X	X			X
WA3	X	X	X	X	X	X	X	X	X	X	X	X

LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	GENETIC COLOR RATINGS	SPRING GREENUP RATINGS	LEAF TEXTURE RATINGS	TRAFFIC TOLERANCE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER FALL	WINTER COLOR	THATCH MEASUREMENTS	TYPHULA BLIGHT	FUSARIUM PATCH
AZ1	X	X	X			X			X	X		
CA1	X		X		X	X	X	X		X		
KY1												
MA1											X	
MI1											X	
TX1				X								
TX2				X								
WA3		X			X					X		X

LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	DOLLAR SPOT	BROWN PATCH	PCT POA JAN	PCT POA FEB	PCT POA APR	PCT POA MAY	PCT POA JUL	PCT POA OCT
AZ1								
CA1			X	X	X	X	X	X
KY1								
MA1		X						
MI1	X							
TX1	X							
TX2								
WA3							X	

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN AT EIGHT LOCATIONS IN THE U.S. 1993 DATA

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

NAME	AZ1	CA1	KY1	MA1	MI1	TX1	TX2	WA3	MEAN
* PROVIDENCE	6.9	.	7.6	6.9	6.4	6.2	6.6	5.7	6.6
88.CBE	7.0	5.1	7.0	7.3	6.5	5.9	6.2	5.3	6.3
* VIPER (88.CBL)	6.8	.	6.5	7.1	6.5	5.8	6.0	5.2	6.2
* COBRA	6.6	6.1	6.3	6.7	6.0	6.4	6.7	5.2	6.2
* SR 1020	7.2	6.0	6.6	6.7	5.9	6.0	6.4	5.2	6.2
* REGENT (NORMARC 101)	6.8	5.9	6.3	7.1	6.4	5.7	5.9	5.3	6.2
* PUTTER	6.6	5.9	5.7	6.7	6.2	6.1	6.4	5.7	6.1
* PENNLINKS	6.5	5.5	5.9	6.3	6.3	6.3	6.4	5.3	6.1
* PRO/CUP (FORBES 89-12)	6.7	5.7	5.6	6.9	6.1	6.1	6.3	5.0	6.1
TAMU 88-1	6.1	5.8	5.6	6.1	6.0	6.5	6.5	5.0	5.9
* 18TH GREEN (UM 84-01)	6.4	5.0	6.0	7.1	5.1	6.3	6.4	4.8	5.9
* PENNCROSS	5.3	5.5	5.5	6.7	6.5	5.9	6.0	4.8	5.8
* LOPEZ (WVPB 89-D-15)	6.4	5.3	5.6	6.5	5.3	5.8	6.1	4.9	5.7
* CARMEN	6.5	5.3	5.9	5.9	5.6	5.8	6.0	4.6	5.7
MSCB-6	5.4	.	5.2	6.2	6.4	5.8	6.1	4.6	5.7
MSCB-8	5.4	5.9	5.4	5.9	6.1	5.7	6.0	4.5	5.6
* NATIONAL	5.6	4.9	5.3	6.1	5.0	5.5	5.7	4.2	5.3
* EMERALD	5.4	5.1	5.3	5.7	5.5	.	.	4.5	5.3
* TRACENTA	3.6	4.6	5.1	6.3	4.8	.	.	4.9	4.9
BR 1518	3.3	4.2	4.9	5.5	4.6	6.1	6.4	3.7	4.9
* BARDOT	3.7	4.1	5.3	5.9	4.9	.	.	5.1	4.8
ALLURE	3.2	4.5	5.4	5.6	5.0	.	.	4.7	4.7
* EGMONT	3.5	4.6	3.5	5.3	5.0	.	.	5.6	4.6
LSD VALUE	0.6	0.7	0.8	0.5	0.5	0.7	0.7	0.5	0.2

* COMMERCIALLY 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 MODIFIED SOIL GREEN AT EIGHT LOCATIONS IN THE U.S. 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
PROVIDENCE	6.3	5.4	6.8	6.7	7.0	7.0	6.6	6.9	6.2	6.7	5.0	5.7	6.6
88.CBE	5.7	5.1	6.7	6.4	6.6	6.3	6.3	6.5	5.9	6.3	4.7	5.2	6.3
VIPER (88.CBL)	5.8	5.0	6.3	6.4	6.7	6.3	6.0	6.4	6.1	6.9	4.5	4.3	6.2
COBRA	6.0	5.6	6.9	6.1	6.5	6.4	6.3	6.5	6.0	6.7	4.9	4.9	6.2
SR 1020	6.1	5.6	6.6	6.1	6.7	6.2	6.4	6.8	5.9	6.1	4.4	5.7	6.2
REGENT (NORMARC 101)	5.5	5.3	5.9	6.1	6.2	6.5	6.1	6.6	6.3	6.8	4.7	5.1	6.2
PUTTER	5.7	5.3	6.4	6.1	6.5	6.3	6.8	6.5	5.7	5.8	5.0	5.3	6.1
PENNLINKS	5.7	5.2	6.1	5.7	6.7	6.3	6.3	6.3	5.9	6.1	5.2	5.2	6.1
PRO/CUP (FORBES 89-12)	5.2	4.8	6.1	6.1	6.2	6.3	6.3	6.6	6.1	6.0	4.9	5.1	6.1
TAMU 88-1	5.9	5.3	5.8	5.8	6.0	5.9	6.1	6.4	6.2	6.5	4.9	5.0	5.9
18TH GREEN (UM 84-01)	4.9	4.5	6.1	6.2	6.0	5.8	6.1	6.4	5.8	6.4	4.6	4.8	5.9
PENNCROSS	5.1	4.5	5.7	5.4	6.2	5.8	6.1	6.3	5.5	6.2	4.8	5.1	5.8
LOPEZ (WVPB 89-D-15)	5.4	5.1	6.2	5.8	5.7	5.8	6.0	6.2	5.7	5.9	4.6	4.2	5.7
CARMEN	5.4	4.9	5.6	5.5	6.3	5.8	6.1	6.1	5.5	5.8	4.1	4.4	5.7
MSCB-6	5.3	4.2	5.6	5.9	5.9	5.3	5.9	5.9	5.7	6.7	4.0	4.5	5.7
MSCB-8	5.4	4.6	5.8	5.6	5.6	5.4	5.8	6.0	5.7	6.3	4.1	5.0	5.6
NATIONAL	4.7	4.6	5.6	5.8	5.4	5.0	5.3	5.4	5.3	6.1	3.4	4.2	5.3
EMERALD	4.7	4.4	5.3	4.8	5.5	5.4	5.3	5.4	5.1	5.9	4.5	4.2	5.3
TRACENTA	4.3	4.0	4.5	4.9	5.2	4.8	4.9	4.8	4.5	6.0	3.8	3.8	4.9
BR 1518	4.9	3.9	4.8	4.7	5.0	4.7	5.0	5.2	4.9	6.2	2.7	4.7	4.9
BARDOT	4.1	3.8	4.5	5.3	5.2	4.5	4.9	4.9	4.7	5.4	3.5	4.0	4.8
ALLURE	3.9	3.9	4.6	5.1	5.1	4.5	4.9	4.6	4.1	5.9	3.5	3.8	4.7
EGMONT	4.8	4.4	4.7	3.9	4.8	4.4	5.0	4.1	4.5	5.2	4.3	4.8	4.6
LSD VALUE	0.9	0.9	0.8	0.8	0.6	0.7	0.8	0.6	0.7	0.9	1.5	1.6	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 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN AT EIGHT LOCATIONS IN THE U.S. 1/
1993 DATA

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

NAME	AZ1	CA1	KY1	MA1	MI1	TX1	TX2	WA3	MEAN
PROVIDENCE	3.0	.	1.0	6.0	5.5	5.0	2.0	1.0	1
88.CBE	2.0	13.0	2.0	1.0	2.5	10.5	10.0	4.5	2
VIPER (88.CBL)	4.5	.	4.0	3.5	2.5	15.0	16.0	8.5	3
COBRA	7.0	1.0	5.5	9.0	11.5	2.0	1.0	7.0	4
SR 1020	1.0	2.0	3.0	9.0	13.0	9.0	8.0	8.5	5
REGENT (NORMARC 101)	4.5	3.0	5.5	2.0	5.5	17.0	17.0	4.5	6
PUTTER	8.0	5.0	10.0	9.0	8.0	6.5	6.0	2.0	7
PENNLINKS	10.0	9.0	8.0	12.5	7.0	4.0	4.0	6.0	8
PRO/CUP (FORBES 89-12)	6.0	7.0	11.5	5.0	9.0	8.0	9.0	11.0	9
TAMU 88-1	13.0	6.0	11.5	15.5	11.5	1.0	3.0	12.0	10
18TH GREEN (UM 84-01)	12.0	14.0	7.0	3.5	17.0	3.0	6.0	16.0	11
PENNCROSS	18.0	8.0	14.0	7.0	1.0	10.5	14.5	15.0	12
LOPEZ (WVPB 89-D-15)	11.0	10.0	13.0	11.0	16.0	13.0	11.5	13.0	13
CARMEN	9.0	11.0	9.0	18.5	14.0	14.0	14.5	18.5	14
MSCB-6	16.5	.	20.0	14.0	4.0	12.0	11.5	18.5	15
MSCB-8	15.0	4.0	15.5	18.5	10.0	16.0	13.0	20.0	16
NATIONAL	14.0	15.0	17.5	15.5	19.0	18.0	18.0	22.0	17
EMERALD	16.5	12.0	17.5	20.0	15.0	.	.	21.0	18
TRACENTA	20.0	16.5	21.0	12.5	22.0	.	.	14.0	19
BR 1518	22.0	19.0	22.0	22.0	23.0	6.5	6.0	23.0	20
BARDOT	19.0	20.0	19.0	17.0	21.0	.	.	10.0	21
ALLURE	23.0	18.0	15.5	21.0	19.0	.	.	17.0	22
EGMONT	21.0	16.5	23.0	23.0	19.0	.	.	3.0	23

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

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

TABLE 4. GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A MODIFIED SOIL GREEN
1993 DATA

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

NAME	AZ1	CA1	MEAN
PROVIDENCE	8.0	.	8.0
VIPER (88.CBL)	8.0	.	8.0
18TH GREEN (UM 84-01)	9.0	6.7	7.8
REGENT (NORMARC 101)	7.7	7.7	7.7
PRO/CUP (FORBES 89-12)	8.0	7.3	7.7
88.CBE	8.0	6.7	7.3
SR 1020	7.3	7.3	7.3
COBRA	7.0	7.0	7.0
PUTTER	6.7	7.0	6.8
PENNLINKS	6.7	6.7	6.7
CARMEN	7.0	6.3	6.7
LOPEZ (WVPB 89-D-15)	6.7	6.3	6.5
PENNCROSS	6.0	7.0	6.5
TAMU 88-1	5.7	7.3	6.5
MSCB-8	6.0	6.7	6.3
NATIONAL	6.7	5.3	6.0
MSCB-6	5.7	.	5.7
BR 1518	6.0	5.0	5.5
EMERALD	5.0	5.7	5.3
EGMONT	5.0	4.7	4.8
ALLURE	4.7	4.7	4.7
TRACENTA	5.0	4.3	4.7
BARDOT	5.7	3.3	4.5
LSD VALUE	0.9	1.8	1.1

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

TABLE 5. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

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

NAME	AZ1	WA3	MEAN
ALLURE	5.7	8.0	6.8
PROVIDENCE	7.3	6.3	6.8
BARDOT	5.7	7.0	6.3
BR 1518	6.3	6.0	6.2
88.CBE	7.7	4.3	6.0
PENNLINKS	7.0	5.0	6.0
PRO/CUP (FORBES 89-12)	8.0	4.0	6.0
PUTTER	5.7	6.3	6.0
TRACENTA	6.3	5.7	6.0
EGMONT	4.7	6.7	5.7
COBRA	6.3	5.0	5.7
SR 1020	7.3	4.0	5.7
VIPER (88.CBL)	7.0	4.3	5.7
LOPEZ (WVPB 89-D-15)	6.7	4.0	5.3
PENNCROSS	6.3	4.3	5.3
REGENT (NORMARC 101)	6.3	4.0	5.2
18TH GREEN (UM 84-01)	6.7	3.3	5.0
CARMEN	7.3	2.7	5.0
MSCB-6	5.7	4.0	4.8
NATIONAL	6.7	3.0	4.8
MSCB-8	5.7	3.3	4.5
TAMU 88-1	6.0	3.0	4.5
EMERALD	5.0	2.7	3.8
LSD VALUE	1.2	1.4	0.9

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

TABLE 6. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 1/		
NAME	AZ1	CA1	MEAN
VIPER (88.CBL)	8.3	.	8.3
EGMONT	7.0	8.0	7.5
CARMEN	8.3	6.3	7.3
SR 1020	7.7	7.0	7.3
MSCB-6	7.3	.	7.3
88.CBE	7.7	6.3	7.0
PENNLINKS	7.3	6.7	7.0
PRO/CUP (FORBES 89-12)	7.7	6.3	7.0
PROVIDENCE	7.0	.	7.0
TAMU 88-1	8.0	6.0	7.0
COBRA	7.7	6.0	6.8
LOPEZ (WVPB 89-D-15)	7.0	6.7	6.8
MSCB-8	7.3	6.3	6.8
PENNCROSS	6.7	6.0	6.3
ALLURE	6.3	6.3	6.3
PUTTER	6.3	6.3	6.3
REGENT (NORMARC 101)	6.7	5.7	6.2
18TH GREEN (UM 84-01)	6.0	6.3	6.2
NATIONAL	6.7	5.3	6.0
EMERALD	6.0	5.7	5.8
BARDOT	4.0	7.3	5.7
TRACENTA	5.3	5.7	5.5
BR 1518	4.0	6.3	5.2
LSD VALUE	1.2	1.0	0.8

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 7. TRAFFIC TOLERANCE (OCTOBER) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN
1993 DATA

TRAFFIC TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 1/

NAME	TX1
88.CBE	7.3
PENNLINKS	6.7
COBRA	6.0
PRO/CUP (FORBES 89-12)	6.0
PROVIDENCE	6.0
VIPER (88.CBL)	6.0
18TH GREEN (UM 84-01)	5.3
PENNCROSS	5.3
REGENT (NORMARC 101)	5.0
LOPEZ (WVPB 89-D-15)	4.7
MSCB-6	4.7
SR 1020	4.7
TAMU 88-1	4.3
BR 1518	4.0
NATIONAL	3.7
CARMEN	3.3
PUTTER	3.0
MSCB-8	2.7
LSD VALUE	2.9

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

TABLE 8. TRAFFIC TOLERANCE (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN
1993 DATA

TRAFFIC TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 1/

NAME	TX1
18TH GREEN (UM 84-01)	7.7
88.CBE	7.7
COBRA	7.7
CARMEN	7.3
PENNLINKS	7.3
VIPER (88.CBL)	7.3
LOPEZ (WVPB 89-D-15)	7.0
MSCB-8	7.0
PRO/CUP (FORBES 89-12)	7.0
PUTTER	7.0
TAMU 88-1	7.0
BR 1518	6.7
MSCB-6	6.7
NATIONAL	6.7
PENNCROSS	6.7
REGENT (NORMARC 101)	6.7
SR 1020	6.7
PROVIDENCE	6.3
LSD VALUE	1.7

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).

TABLE 9. TRAFFIC TOLERANCE (DECEMBER) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN
1993 DATA

TRAFFIC TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 1/

NAME	TX2
PENNLINKS	7.7
SR 1020	7.7
18TH GREEN (UM 84-01)	7.3
88.CBE	7.3
PENNCROSS	7.3
PRO/CUP (FORBES 89-12)	7.3
CARMEN	7.0
COBRA	7.0
MSCB-6	7.0
VIPER (88.CBL)	7.0
TAMU 88-1	6.7
LOPEZ (WVPB 89-D-15)	6.3
MSCB-8	6.3
PROVIDENCE	6.3
REGENT (NORMARC 101)	6.3
BR 1518	6.0
PUTTER	6.0
NATIONAL	5.7
LSD VALUE	2.4

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

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

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

NAME	CA1	WA3	MEAN
PROVIDENCE	.	7.3	7.3
EGMONT	6.0	8.3	7.2
VIPER (88.CBL)	.	6.7	6.7
PUTTER	5.3	8.0	6.7
SR 1020	5.3	8.0	6.7
BARDOT	5.7	7.0	6.3
PENNLINKS	5.7	6.7	6.2
COBRA	6.0	6.3	6.2
TRACENTA	5.7	6.3	6.0
18TH GREEN (UM 84-01)	6.0	5.7	5.8
88.CBE	5.7	5.3	5.5
ALLURE	5.7	5.3	5.5
REGENT (NORMARC 101)	5.7	5.0	5.3
CARMEN	5.7	4.7	5.2
PENNCROSS	5.7	4.7	5.2
PRO/CUP (FORBES 89-12)	5.7	4.7	5.2
MSCB-8	6.0	4.3	5.2
LOPEZ (WVPB 89-D-15)	5.7	3.7	4.7
TAMU 88-1	5.7	3.7	4.7
BR 1518	5.7	3.3	4.5
EMERALD	5.7	3.3	4.5
NATIONAL	5.7	3.0	4.3
MSCB-6	.	4.0	4.0
LSD VALUE	0.8	1.5	0.9

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

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

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

NAME	AZ1	CA1	MEAN
PROVIDENCE	8.3	.	8.3
VIPER (88.CBL)	8.3	.	8.3
PUTTER	8.7	6.7	7.7
SR 1020	8.3	6.3	7.3
PRO/CUP (FORBES 89-12)	8.3	6.0	7.2
LOPEZ (WVPB 89-D-15)	8.3	5.7	7.0
REGENT (NORMARC 101)	7.7	6.3	7.0
18TH GREEN (UM 84-01)	7.7	6.0	6.8
88.CBE	8.0	5.7	6.8
COBRA	7.7	6.0	6.8
PENNLINKS	7.7	5.7	6.7
CARMEN	7.3	5.7	6.5
EMERALD	7.3	5.7	6.5
TAMU 88-1	6.7	6.0	6.3
MSCB-6	6.3	.	6.3
MSCB-8	6.3	6.3	6.3
NATIONAL	6.7	5.3	6.0
PENNCROSS	6.0	6.0	6.0
EGMONT	4.3	5.3	4.8
BR 1518	4.7	4.3	4.5
TRACENTA	4.7	4.3	4.5
BARDOT	4.7	4.0	4.3
ALLURE	3.3	4.7	4.0
LSD VALUE	1.4	1.1	1.0

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

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

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

NAME	CA1
18TH GREEN (UM 84-01)	7.0
88.CBE	7.0
ALLURE	7.0
BARDOT	7.0
BR 1518	7.0
CARMEN	7.0
COBRA	7.0
EGMONT	7.0
EMERALD	7.0
LOPEZ (WVPB 89-D-15)	7.0
MSCB-8	7.0
NATIONAL	7.0
PENNCROSS	7.0
PENNLINKS	7.0
PRO/CUP (FORBES 89-12)	7.0
PUTTER	7.0
REGENT (NORMARC 101)	7.0
TAMU 88-1	7.0
TRACENTA	7.0
SR 1020	6.0
LSD VALUE	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 13. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN
1993 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	CA1
COBRA	98.7
MSCB-8	98.7
NATIONAL	98.7
PRO/CUP (FORBES 89-12)	98.7
18TH GREEN (UM 84-01)	98.0
BR 1518	98.0
SR 1020	98.0
TRACENTA	98.0
REGENT (NORMARC 101)	97.7
TAMU 88-1	97.7
CARMEN	97.0
EMERALD	97.0
LOPEZ (WVPB 89-D-15)	97.0
PENNCROSS	97.0
EGMONT	96.3
88.CBE	96.0
BARDOT	96.0
PENNLINKS	95.7
PUTTER	95.3
ALLURE	92.0
LSD VALUE	3.8

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 14. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A MODIFIED SOIL GREEN
1993 DATA

WINTER COLOR RATINGS 1-9; 9=COMPIETE COLOR RETENTION 1/

NAME	AZ1
PRO/CUP (FORBES 89-12)	8.7
88.CBE	7.7
CARMEN	7.7
PROVIDENCE	7.7
SR 1020	7.7
LOPEZ (WVPB 89-D-15)	7.0
PENNLINKS	7.0
VIPER (88.CBL)	7.0
NATIONAL	6.7
REGENT (NORMARC 101)	6.7
18TH GREEN (UM 84-01)	6.3
COBRA	6.3
MSCB-6	6.3
PENNCROSS	6.3
TRACENTA	6.3
PUTTER	6.0
TAMU 88-1	6.0
MSCB-8	5.7
ALLURE	5.3
BARDOT	5.3
BR 1518	5.3
EGMONT	5.0
EMERALD	4.7
LSD VALUE	1.1

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

TABLE 15. THATCH MEASUREMENTS RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

	THATCH MEASUREMENTS IN MILLIMETERS 1/		
NAME	AZ1	CA1	MEAN
TAMU 88-1	14.3	43.7	29.0
COBRA	14.7	42.0	28.3
PRO/CUP (FORBES 89-12)	14.0	39.7	26.8
EMERALD	13.0	40.3	26.7
PENNCROSS	12.0	41.0	26.5
PENNLINKS	12.3	40.7	26.5
PUTTER	16.7	36.3	26.5
REGENT (NORMARC 101)	13.3	39.0	26.2
CARMEN	12.3	38.0	25.2
88.CBE	13.7	36.0	24.8
SR 1020	13.0	36.3	24.7
18TH GREEN (UM 84-01)	9.3	39.7	24.5
NATIONAL	12.7	36.3	24.5
LOPEZ (WVPB 89-D-15)	12.0	36.7	24.3
MSCB-8	11.7	36.3	24.0
TRACENTA	6.3	40.7	23.5
EGMONT	4.7	41.3	23.0
BARDOT	8.3	36.3	22.3
ALLURE	6.0	38.7	22.3
BR 1518	6.0	37.0	21.5
VIPER (88.CBL)	14.3	.	14.3
MSCB-6	14.0	.	14.0
PROVIDENCE	14.0	.	14.0
LSD VALUE	3.2	8.2	4.6

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

TABLE 16. THATCH ASHED DRY WEIGHT RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

THATCH ASHED DRY WEIGHT: GRAMS/0.25 SQ.FT. 1/

NAME	WA3
MSCB-8	15.3
PUTTER	15.3
18TH GREEN (UM 84-01)	15.0
REGENT (NORMARC 101)	15.0
BARDOT	14.7
EGMONT	14.7
ALLURE	14.3
COBRA	14.3
MSCB-6	14.3
PROVIDENCE	14.3
TAMU 88-1	14.3
TRACENTA	14.3
PRO/CUP (FORBES 89-12)	14.0
88.CBE	13.7
EMERALD	13.7
PENNCROSS	13.7
PENNLINKS	13.7
SR 1020	13.7
BR 1518	13.3
LOPEZ (WVPB 89-D-15)	13.3
CARMEN	13.0
NATIONAL	13.0
VIPER (88.CBL)	13.0
LSD VALUE	2.7

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).

TABLE 17. TYPHULA BLIGHT RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

	TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE 1/		
NAME	MA1	MI1	MEAN
88.CBE	4.0	6.0	5.0
VIPER (88.CBL)	4.3	5.7	5.0
ALLURE	2.0	7.7	4.8
BARDOT	2.0	7.7	4.8
BR 1518	2.3	7.3	4.8
EMERALD	3.3	6.3	4.8
EGMONT	2.0	7.0	4.5
TRACENTA	2.0	7.0	4.5
PUTTER	4.0	4.7	4.3
REGENT (NORMARC 101)	2.3	6.3	4.3
PENNLINKS	3.3	5.0	4.2
MSCB-6	2.7	5.3	4.0
PENNCROSS	2.7	5.3	4.0
PROVIDENCE	2.7	5.3	4.0
SR 1020	5.0	3.0	4.0
TAMU 88-1	3.7	4.3	4.0
CARMEN	4.7	3.0	3.8
MSCB-8	3.3	4.0	3.7
PRO/CUP (FORBES 89-12)	4.0	3.3	3.7
18TH GREEN (UM 84-01)	4.0	3.0	3.5
COBRA	2.3	4.7	3.5
NATIONAL	2.0	4.3	3.2
LOPEZ (WVPB 89-D-15)	2.3	2.7	2.5
LSD VALUE	1.8	1.6	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 18. FUSARIUM PATCH RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

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

NAME	WA3
ALLURE	9.0
BARDOT	9.0
BR 1518	9.0
EGMONT	9.0
EMERALD	9.0
TRACENTA	9.0
CARMEN	8.7
MSCB-6	8.7
MSCB-8	8.7
NATIONAL	8.7
PENNLINKS	8.7
88.CBE	8.3
COBRA	8.3
REGENT (NORMARC 101)	8.3
VIPER (88.CBL)	8.3
PENNCROSS	8.0
PRO/CUP (FORBES 89-12)	7.7
LOPEZ (WVPB 89-D-15)	7.3
PUTTER	7.3
TAMU 88-1	6.3
PROVIDENCE	6.0
SR 1020	5.7
18TH GREEN (UM 84-01)	4.7
LSD VALUE	2.0

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

TABLE 19. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

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

NAME	MI1	TX1	MEAN
ALLURE	7.0	.	7.0
BARDOT	7.0	.	7.0
MSCB-8	8.3	4.7	6.5
EGMONT	6.0	.	6.0
MSCB-6	7.3	4.7	6.0
TRACENTA	6.0	.	6.0
PROVIDENCE	7.3	4.3	5.8
TAMU 88-1	6.3	5.3	5.8
EMERALD	5.7	.	5.7
COBRA	6.3	5.0	5.7
88.CBE	7.0	4.0	5.5
NATIONAL	6.3	4.7	5.5
PENNCROSS	7.0	4.0	5.5
REGENT (NORMARC 101)	7.0	4.0	5.5
SR 1020	4.7	6.0	5.3
BR 1518	6.3	4.0	5.2
VIPER (88.CBL)	6.3	3.7	5.0
CARMEN	5.0	4.7	4.8
LOPEZ (WVPB 89-D-15)	5.7	4.0	4.8
PENNLINKS	7.3	2.3	4.8
PUTTER	5.3	4.3	4.8
18TH GREEN (UM 84-01)	3.7	4.3	4.0
PRO/CUP (FORBES 89-12)	5.0	1.7	3.3
LSD VALUE	2.3	3.0	2.0

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

TABLE 20. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

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

NAME	MA1
18TH GREEN (UM 84-01)	9.0
88.CBE	9.0
CARMEN	9.0
COBRA	9.0
MSCB-6	9.0
MSCB-8	9.0
NATIONAL	9.0
PENNCROSS	9.0
PENNLINKS	9.0
PRO/CUP (FORBES 89-12)	9.0
PROVIDENCE	9.0
REGENT (NORMARC 101)	9.0
SR 1020	9.0
TAMU 88-1	9.0
ALLURE	8.7
LOPEZ (WVPB 89-D-15)	8.7
VIPER (88.CBL)	8.7
EGMONT	8.0
EMERALD	8.0
PUTTER	7.3
BR 1518	7.0
BARDOT	5.3
TRACENTA	4.7
LSD VALUE	1.9

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

TABLE 21. PERCENT POA ANNUA (JANUARY) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

	PERCENT POA ANNUA: LOCATIONS 1/
NAME	CA1
BR 1518	54.3
ALLURE	42.0
BARDOT	40.0
EGMONT	36.7
NATIONAL	36.7
88.CBE	35.7
PRO/CUP (FORBES 89-12)	33.7
TRACENTA	32.7
18TH GREEN (UM 84-01)	32.0
LOPEZ (WVPB 89-D-15)	16.3
CARMEN	15.7
MSCB-8	15.7
EMERALD	15.3
REGENT (NORMARC 101)	14.7
PENNCROSS	13.0
PENNLINKS	13.0
TAMU 88-1	13.0
SR 1020	11.7
COBRA	10.7
PUTTER	9.0
LSD VALUE	34.7

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).

TABLE 22. PERCENT POA ANNUA (FEBRUARY) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

	PERCENT POA ANNUA: LOCATIONS 1/
NAME	CA1
BR 1518	78.3
ALLURE	70.7
NATIONAL	62.7
BARDOT	61.0
18TH GREEN (UM 84-01)	53.3
TRACENTA	50.3
88.CBE	47.7
PRO/CUP (FORBES 89-12)	38.7
MSCB-8	31.7
EGMONT	29.0
CARMEN	27.3
EMERALD	26.7
PENNLINKS	26.3
PENNCROSS	24.7
LOPEZ (WVPB 89-D-15)	24.0
REGENT (NORMARC 101)	21.0
PUTTER	13.3
COBRA	12.7
TAMU 88-1	12.7
SR 1020	10.7
LSD VALUE	33.2

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 23. PERCENT POA ANNUA (APRIL) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

PERCENT POA ANNUA: LOCATIONS 1/

NAME	CA1
BR 1518	69.3
18TH GREEN (UM 84-01)	57.7
ALLURE	57.7
BARDOT	55.7
NATIONAL	54.3
88.CBE	47.3
TRACENTA	47.0
PRO/CUP (FORBES 89-12)	38.3
EMERALD	29.3
PENNLINKS	27.0
EGMONT	26.3
MSCB-8	25.7
REGENT (NORMARC 101)	24.3
CARMEN	23.7
LOPEZ (WVPB 89-D-15)	21.3
PENNCROSS	20.0
COBRA	16.0
SR 1020	15.7
TAMU 88-1	14.3
PUTTER	13.3
LSD VALUE	26.7

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).

TABLE 24. PERCENT POA ANNUA (MAY) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN 1993 DATA

PERCENT POA ANNUA: LOCATIONS 1/

NAME	CA1
ALLURE	72.0
TRACENTA	71.0
BR 1518	67.0
BARDOT	66.7
18TH GREEN (UM 84-01)	56.3
88.CBE	43.3
NATIONAL	40.0
PRO/CUP (FORBES 89-12)	40.0
EGMONT	38.7
CARMEN	33.3
EMERALD	31.7
MSCB-8	30.0
LOPEZ (WVPB 89-D-15)	29.7
COBRA	23.0
PENNLINKS	19.3
REGENT (NORMARC 101)	17.0
TAMU 88-1	16.0
PUTTER	15.7
PENNCROSS	14.7
SR 1020	8.0
LSD VALUE	29.1

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

TABLE 25. PERCENT POA ANNUA (JULY) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN
1993 DATA

	PERCENT POA ANNUA: LOCATIONS 1/		
NAME	CA1	WA3	MEAN
BR 1518	62.7	48.7	55.7
TRACENTA	84.7	21.7	53.2
ALLURE	70.0	34.3	52.2
BARDOT	77.3	25.3	51.3
NATIONAL	54.3	19.7	37.0
EMERALD	32.3	39.7	36.0
88.CBE	43.7	17.7	30.7
CARMEN	30.7	23.7	27.2
MSCB-8	24.0	26.0	25.0
MSCB-6	.	24.7	24.7
EGMONT	37.3	9.3	23.3
LOPEZ (WVPB 89-D-15)	33.3	12.7	23.0
18TH GREEN (UM 84-01)	27.3	16.0	21.7
PENNLINKS	24.7	13.0	18.8
PENNCROSS	24.0	13.3	18.7
COBRA	17.7	18.0	17.8
TAMU 88-1	14.0	20.7	17.3
PRO/CUP (FORBES 89-12)	21.0	12.3	16.7
REGENT (NORMARC 101)	19.7	10.0	14.8
VIPER (88.CBL)	.	14.0	14.0
SR 1020	11.0	9.3	10.2
PUTTER	12.0	7.3	9.7
PROVIDENCE	.	7.7	7.7
LSD VALUE	27.8	11.8	15.7

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).

TABLE 26. PERCENT POA ANNUA (OCTOBER) RATINGS OF BENTGRASS CULTIVARS GROWN ON A MODIFIED SOIL GREEN
1993 DATA

	PERCENT POA ANNUA: LOCATIONS 1/
NAME	CA1
BR 1518	71.7
NATIONAL	65.3
TRACENTA	64.7
CARMEN	54.3
18TH GREEN (UM 84-01)	53.3
BARDOT	50.0
EGMONT	49.7
LOPEZ (WVPB 89-D-15)	44.3
SR 1020	43.7
88.CBE	43.0
EMERALD	41.0
TAMU 88-1	39.0
MSCB-8	38.7
ALLURE	37.7
PRO/CUP (FORBES 89-12)	37.7
PENNCROSS	33.7
PENNLINKS	33.7
PUTTER	33.3
REGENT (NORMARC 101)	24.0
COBRA	18.0
LSD VALUE	33.8

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).