

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 Maryland Turfgrass Council. 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, a national director, and an executive coordinator. The program will 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. The national director is responsible for the overall coordination and operation of the NTEP, including (1) soliciting entries and distribution of test seed sets to evaluators, (2) data summarization and distribution, and, (3) management of test materials, facilities, and finances.

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LOCATIONS SUBMITTING DATA FOR 1990

<u>State</u>	<u>Location</u>	<u>Code</u>
Florida	West Palm Beach (Banyan Country Club)	FL1
Georgia	Griffin	GA1
Kentucky	Lexington	KY1
Louisiana	Baton Rouge	LA1
Massachusetts	Deerfield	MA1
Michigan	East Lansing	MI1
Mississippi	Mississippi State	MS1
Texas	Dallas	TX1
Washington	Puyallup	WA3

1989 NATIONAL BENTGRASS TEST

(Greens-Modified Soil)

Entries and Sponsors

<u>Entry No.</u>	<u>Name</u>	<u>Species</u>	<u>Sponsor</u>
1	BR 1518	A. castellana (dryland bent)	USGA Green Section
2	Carmen	creeping	Advanta Seeds West
3	Tracentia	colonial	Advanta Seeds West
4	Putter	creeping	Jacklin Seed Co.
5	SR 1020	creeping	Seed Research of Oregon
6	Providence	creeping	Seed Research of Oregon
7	Bardot	colonial	Barenbrug USA
8	Penncross	creeping	Tee-2-Green Corp.
9	Pennlinks	creeping	Tee-2-Green Corp.
10	UM 84-01 (Biska)	creeping	Johnson Seeds, Ltd.
11	Egmont	A. capillaris (browntop bent)	Olsen-Fennell Seed Co.
12	Normarc 101 (Regent)	creeping	Normarc Seed Company
13	Forbes 89-12 (PRO/CUP)	creeping	Forbes Seed & Grain
14	WVPB 89-D-15 (Lopez)	creeping	Finelawn Research Corp.
15	National	creeping	Pickseed West
16	88.CBE	creeping	International Seeds
17	88.CBL	creeping	International Seeds
18	Cobra	creeping	International Seeds
19	Emerald	creeping	International Seeds
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.

1990 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
FL1	SAND	6.6-7.0	451+	501+	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
GA1	SAND	5.6-6.0	61-150	151-240	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KY1	SAND	7.1-7.5	0-60	151-240	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
LA1	LOAMY SAND	4.6-5.5	61-150	151-240	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MA1	SAND	6.1-6.5	0-60	0-150	6.1-7.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MI1	-	7.1-7.5	0-60	0-150	6.1-7.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MS1	SAND	6.1-6.5	151-270	241-375	7.1-8.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
TX1	SAND	7.6-8.5	451+	501+	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 1990

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
FL1	X	X	X									
GA1								X		X		
KY1					X	X	X	X	X	X		
LA1				X	X	X	X	X	X	X		
MA1							X	X		X	X	
MI1								X	X			
MS1								X	X	X	X	X
TX1	X	X	X				X					
WA3											X	X

TABLE B.
(continued)

LOCATIONS AND DATA COLLECTED IN 1990

LOCATION	GENETIC COLOR RATING	SEEDLING VIGOR	PERCENT COVER SPRING	PERCENT COVER SUMMER	DISEASE RATINGS	YELLOW TUFT RATINGS
FL1		X			X	
GA1						
KY1	X					
LA1	X				X	
MA1			X	X		
MI1						X
MS1						
TX1			X			
WA3	X	X				

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A
MODIFIED SOIL GREEN AT NINE LOCATIONS IN THE UNITED STATES
1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/									MEAN
	FL1	GA1	KY1	LA1	MA1	MI1	MS1	TX1	WA3	
* NORMARC 101 (REGENT)	.	6.3	6.6	6.8	7.6	7.5	5.9	4.2	4.0	6.1
* SR 1020	4.9	6.0	6.2	6.2	8.1	7.2	5.7	3.9	4.7	5.9
* PUTTER	4.8	5.3	6.3	5.7	7.8	6.7	5.1	4.5	5.8	5.8
88.CBE	5.6	5.8	6.3	6.1	7.7	7.5	4.8	3.3	4.8	5.8
* PROVIDENCE	4.0	5.8	7.4	5.7	7.2	7.7	5.7	3.3	4.8	5.7
* PENNCROSS	5.0	6.3	5.9	6.0	7.2	7.2	5.1	3.6	5.3	5.7
* PENNLINKS	4.7	5.8	6.0	5.7	7.0	6.7	5.5	3.8	5.7	5.6
WVPB 89-D-15	5.3	5.8	5.8	6.4	6.9	6.0	5.3	3.4	5.2	5.6
88.CBL	4.3	6.2	5.9	5.5	7.2	7.5	5.5	3.1	4.8	5.6
* COBRA	3.7	5.3	6.3	6.0	7.0	7.0	5.3	4.2	4.5	5.5
TAMU 88-1	4.1	5.3	6.1	6.4	6.8	6.2	4.9	3.8	5.3	5.4
MSCB-8	4.4	6.0	5.9	6.0	6.8	6.2	5.5	3.8	4.3	5.4
* FORBES 89-12 (PRO/CUP)	4.3	5.5	6.2	5.9	7.0	6.0	5.2	3.4	4.7	5.3
UM 84-01 (BISKA)	5.6	6.7	5.4	5.5	5.2	6.3	4.5	3.7	5.0	5.3
* CARMEN	4.3	6.0	5.4	5.8	7.1	6.2	4.9	2.8	5.0	5.3
MSCB-6	4.1	.	6.2	5.4	5.9	6.3	5.8	3.4	4.3	5.2
* EMERALD	3.2	5.7	6.2	5.4	6.3	5.5	4.0	.	4.8	5.1
* NATIONAL	4.6	5.0	5.7	5.4	5.9	5.3	4.4	2.9	4.7	4.9
* BARDOT	3.4	5.3	4.8	5.1	5.7	1.5	4.8	.	6.5	4.6
* EGMONT	2.9	3.5	5.2	5.2	7.0	1.7	4.5	.	6.3	4.5
* TRACENTA	4.3	3.8	4.2	5.3	5.0	1.2	4.3	.	6.7	4.3
ALLURE	4.0	3.7	3.0	5.0	5.3	1.2	3.9	.	6.3	4.0
BR 1518	2.2	4.3	3.8	4.3	4.8	1.0	3.9	2.8	5.3	3.6
LSD VALUE	1.4	1.0	1.5	1.5	1.1	1.3	1.4	1.7	1.1	0.5

* COMMERCIALY AVAILABLE IN THE UNITED STATES IN 1991

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.

MONTHLY MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A MODIFIED SOIL GREEN AT NINE LOCATIONS IN THE U. S.
1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
NORMARC 101 (REGENT)	3.3	4.7	4.0	8.7	7.8	8.3	7.1	6.6	5.6	6.1	5.2	4.8	6.1
SR 1020	3.7	4.7	4.0	7.7	7.2	7.5	7.3	6.5	5.3	6.0	5.3	5.5	5.9
FUTTER	3.7	5.0	4.8	8.3	7.2	8.2	7.2	5.8	4.8	5.3	5.2	6.0	5.8
88.CBE	3.5	5.2	4.5	7.3	7.8	7.8	6.6	6.2	5.2	5.5	5.3	4.5	5.8
PROVIDENCE	3.2	3.3	4.0	8.0	8.2	8.7	6.6	6.1	5.3	5.9	5.7	5.2	5.7
EENNCROSS	4.2	4.5	4.2	7.3	7.3	7.7	6.3	6.1	4.8	5.6	5.2	5.5	5.7
EENNLINKS	3.3	4.5	4.2	7.3	7.2	7.7	6.7	5.8	4.7	5.5	5.8	5.5	5.6
WVPB 89-D-15	3.3	5.2	4.5	7.3	6.8	7.2	6.2	5.8	5.2	5.9	5.1	5.3	5.6
88.CBL	2.7	4.2	3.7	7.3	6.7	7.5	6.4	6.0	4.7	5.4	5.8	5.5	5.6
COBRA	2.8	4.2	4.0	7.7	7.7	8.0	6.8	5.7	4.8	5.5	5.8	4.7	5.5
TAMU 88-1	2.8	4.7	4.3	7.7	7.3	7.0	6.2	6.0	4.9	5.6	5.1	5.3	5.4
MSCB-8	3.2	4.7	4.2	8.0	6.5	7.2	6.3	5.8	5.0	5.7	5.2	5.0	5.4
FORBES 89-12 (PRO/CUP)	2.7	4.7	4.0	7.7	7.2	7.7	6.3	5.4	4.5	5.6	5.2	5.7	5.3
UM 84-01 (BISKA)	3.8	4.7	4.8	7.7	6.2	6.7	5.7	5.3	4.4	5.1	4.3	5.2	5.3
CARMEN	2.7	3.8	3.7	7.7	6.8	7.3	6.8	5.5	4.4	5.3	4.8	5.0	5.3
MSCB-6	2.8	4.2	3.8	7.7	7.0	7.2	6.1	5.6	4.9	5.3	4.7	5.2	5.2
EMERALD	2.3	3.3	4.0	7.0	7.5	7.5	7.1	5.4	3.8	4.7	4.2	4.8	5.1
NATIONAL	2.7	4.3	3.8	7.3	6.5	7.2	6.0	4.7	4.0	5.0	4.7	4.7	4.9
EARDOT	3.7	3.7	3.0	8.0	6.3	6.2	5.8	4.4	2.6	4.9	4.8	6.0	4.6
EGMONT	2.7	3.3	2.7	8.3	6.5	6.0	6.4	4.0	2.8	4.7	6.1	5.7	4.5
TRACENTA	3.7	5.3	4.0	9.0	5.7	5.7	5.7	3.6	2.4	4.5	4.6	5.5	4.3
ALLURE	3.0	5.0	4.0	6.7	5.7	4.3	4.7	3.4	2.3	4.3	4.7	5.0	4.0
BR 1518	2.0	3.0	2.5	6.0	6.0	5.5	3.8	3.0	2.1	4.1	5.1	5.2	3.6
LSD VALUE	1.5	2.0	1.6	1.4	2.0	2.0	1.4	1.2	1.6	1.4	1.3	1.2	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 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A MODIFIED SOIL GREEN AT NINE LOCATIONS IN THE U. S. 1/
1990 DATA

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

NAME	FL1	GAL	KY1	LA1	MA1	MI1	MS1	TX1	WA3	MEAN
NORMARC 101 (REGENT)	.	2.5	2.0	1.0	4.0	3.0	1.0	2.5	23.0	1
SR 1020	5.0	6.0	7.0	4.0	1.0	5.5	3.5	4.0	18.0	2
PUTTER	6.0	15.5	5.0	12.5	2.0	8.5	11.0	1.0	5.0	3
88.CBE	1.5	9.5	3.5	5.0	3.0	3.0	15.5	14.0	14.5	4
PROVIDENCE	17.0	9.5	1.0	12.5	6.0	1.0	3.5	13.0	14.5	5
PENNCROSS	4.0	2.5	14.0	8.0	6.0	5.5	12.0	9.0	8.0	6
PENNLINKS	7.0	9.5	11.0	11.0	10.5	8.5	5.5	6.5	6.0	7
WVPB 89-D-15	3.0	9.5	15.0	3.0	13.0	15.5	8.5	11.0	10.0	8
88.CBL	11.5	4.0	12.5	14.0	6.0	3.0	5.5	15.0	14.5	9
COBRA	18.0	15.5	3.5	7.0	10.5	7.0	8.5	2.5	20.0	10
TAMU 88-1	14.5	15.5	10.0	2.0	14.0	13.0	13.0	6.5	8.0	11
MSCB-8	9.0	6.0	12.5	6.0	15.0	13.0	7.0	5.0	21.5	12
FORBES 89-12 (PRO/CUP)	11.5	13.0	9.0	9.0	10.5	15.5	10.0	11.0	18.0	13
UM 84-01 (BISKA)	1.5	1.0	18.0	15.0	21.0	10.5	17.0	8.0	11.5	14
CARMEN	11.5	6.0	17.0	10.0	8.0	13.0	14.0	17.5	11.5	15
MSCB-6	14.5	.	7.0	17.5	17.5	10.5	2.0	11.0	21.5	16
EMERALD	20.0	12.0	7.0	16.0	16.0	17.0	21.0	.	14.5	17
NATIONAL	8.0	18.0	16.0	17.5	17.5	18.0	19.0	16.0	18.0	18
BARDOT	19.0	15.5	20.0	21.0	19.0	20.0	15.5	.	2.0	19
EGMONT	21.0	22.0	19.0	20.0	10.5	19.0	18.0	.	3.5	20
TRACENTA	11.5	20.0	21.0	19.0	22.0	21.5	20.0	.	1.0	21
ALLURE	16.0	21.0	23.0	22.0	20.0	21.5	23.0	.	3.5	22
BR 1518	22.0	19.0	22.0	23.0	23.0	23.0	22.0	17.5	8.0	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. SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS GROWN ON A
MODIFIED SOIL GREEN
1990 DATA

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

NAME	FL1	WA3	MEAN
EMERALD	7.7	9.0	8.3
TAMU 88-1	2.7	8.7	5.7
PENNCROSS	2.7	8.3	5.5
NORMARC 101 (REGENT)	.	5.3	5.3
BR 1518	2.3	8.0	5.2
COBRA	5.0	5.3	5.2
EGMONT	4.0	6.0	5.0
MSCB-6	2.7	7.3	5.0
ALLURE	2.0	7.3	4.7
88.CBL	2.3	6.7	4.5
PENNLINKS	3.0	5.7	4.3
PROVIDENCE	4.7	4.0	4.3
SR 1020	2.0	6.3	4.2
88.CBE	2.3	5.7	4.0
FORBES 89-12 (PRO/CUP)	4.7	3.3	4.0
MSCB-8	2.7	5.3	4.0
BARDOT	3.0	4.7	3.8
WVPB 89-D-15	3.0	4.7	3.8
NATIONAL	3.0	4.0	3.5
PUTTER	3.3	3.0	3.2
TRACENTA	1.3	4.0	2.7
CARMEN	1.7	2.7	2.2
UM 84-01 (BISKA)	1.7	1.3	1.5
LSD VALUE	3.3	3.3	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 5. GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS GROWN ON A
MODIFIED SOIL GREEN
1990 DATA

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

NAME	KY1	LA1	WA3	MEAN
UM 84-01 (BISKA)	9.0	9.0	8.0	8.7
FORBES 89-12 (PRO/CUP)	7.7	9.0	8.0	8.2
PROVIDENCE	8.0	9.0	7.3	8.1
88.CBL	7.7	9.0	7.3	8.0
WVPB 89-D-15	7.7	9.0	7.3	8.0
88.CBE	7.7	9.0	7.0	7.9
PUTTER	7.7	9.0	7.0	7.9
BARDOT	6.3	8.3	8.7	7.8
TRACENTA	6.7	8.0	8.7	7.8
NORMARC 101 (REGENT)	7.3	9.0	6.7	7.7
SR 1020	6.7	9.0	7.3	7.7
CARMEN	7.0	9.0	6.3	7.4
PENNCROSS	7.3	8.7	6.3	7.4
NATIONAL	7.0	9.0	6.0	7.3
COBRA	7.0	9.0	5.7	7.2
MSCB-6	7.0	9.0	5.7	7.2
MSCB-8	7.3	9.0	5.3	7.2
PENNLINKS	6.7	9.0	5.7	7.1
EMERALD	6.0	9.0	6.0	7.0
TAMU 88-1	6.0	8.7	6.3	7.0
BR 1518	5.3	8.3	7.0	6.9
ALLURE	4.0	8.0	7.3	6.4
EGMONT	5.0	8.0	6.3	6.4
LSD VALUE	0.9	0.4	1.4	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 6. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A MODIFIED SOIL GREEN
1990 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/

NAME	MA1	TX1	MEAN
EGMONT	55.0	.	55.0
EMERALD	51.7	.	51.7
TRACENTA	51.7	.	51.7
BARDOT	50.0	.	50.0
NORMARC 101 (REGENT)	73.3	21.7	47.5
PENNCROSS	60.0	15.0	37.5
PUTTER	60.0	14.3	37.2
ALLURE	36.7	.	36.7
88.CBE	55.0	11.0	33.0
TAMU 88-1	53.3	12.7	33.0
SR 1020	56.7	8.3	32.5
PROVIDENCE	50.0	9.3	29.7
NATIONAL	48.3	8.3	28.3
WVPB 89-D-15	43.3	10.0	26.7
FORBES 89-12 (PRO/CUP)	40.0	12.7	26.3
COBRA	36.7	13.3	25.0
88.CBL	40.0	9.3	24.7
PENNLINKS	35.0	11.7	23.3
MSCB-8	31.7	13.3	22.5
MSCB-6	35.0	9.3	22.2
CARMEN	36.7	6.0	21.3
UM 84-01 (BISKA)	21.7	15.0	18.3
BR 1518	21.7	10.3	16.0
LSD VALUE	25.9	10.2	16.1

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 7. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A MODIFIED SOIL GREEN
1990 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	MA1	MEAN
PUTTER	91.7	91.7
NORMARC 101 (REGENT)	86.0	86.0
SR 1020	83.3	83.3
PENNCROSS	82.7	82.7
BARDOY	81.7	81.7
88.CEE	80.0	80.0
CARMEN	80.0	80.0
PROVIDENCE	80.0	80.0
PENNLINKS	76.7	76.7
EGMONT	75.0	75.0
FORBES 89-12 (PRO/CUP)	75.0	75.0
TAMU 88-1	75.0	75.0
EMERALD	73.3	73.3
NATIONAL	73.3	73.3
WVPB 89-D-15	73.3	73.3
MSCB-8	71.7	71.7
88.CBL	66.7	66.7
MSCB-6	65.0	65.0
COBRA	63.3	63.3
UM 84-01 (BISKA)	61.7	61.7
ALLUPE	58.3	58.3
BR 1518	55.0	55.0
TRACENTA	55.0	55.0
LSD VALUE	16.8	16.8

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 8. DISEASE RATINGS OF BENTGRASS CULTIVARS GROWN ON A
 MODIFIED SOIL GREEN 1/
 1990 DATA

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

NAME	FL1	LA1	MEAN
88.CBE	7.0	8.0	7.5
NORMARC 101 (REGENT)	.	7.0	7.0
TAMU 88-1	5.3	8.7	7.0
SR 1020	7.3	6.3	6.8
MSCB-8	5.7	7.7	6.7
PENNCROSS	5.3	8.0	6.7
UM 84-01 (BISKA)	8.0	5.3	6.7
CARMEN	6.3	6.7	6.5
FORBES 89-12 (PRO/CUP)	7.0	6.0	6.5
MSCB-6	5.3	7.7	6.5
WVPB 89-D-15	6.7	6.3	6.5
PENNLINKS	5.7	7.0	6.3
TRACENTA	6.3	6.3	6.3
88.CBL	5.7	5.7	5.7
NATIONAL	5.3	6.0	5.7
PUTTER	6.3	5.0	5.7
BARDOT	5.0	5.7	5.3
COBRA	5.3	5.3	5.3
EGMONT	3.7	5.7	4.7
EMERALD	4.0	5.0	4.5
PROVIDENCE	4.3	3.7	4.0
ALLURE	5.0	2.7	3.8
BR 1518	2.3	1.0	1.7
LSD VALUE	2.6	3.0	2.0

- 1/ AT THE ABOVE LOCATIONS, SEVERAL DISEASES WERE PRESENT SIMULTANEOUSLY AND THE DAMAGE CAUSED BY EACH DISEASE COULD NOT EASILY BE DETERMINED. THEREFORE, THE ABOVE RATINGS REFLECT AN OVERALL ASSESSMENT OF DAMAGE CAUSED BY SEVERAL DISEASES.
- 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 9. YELLOW TUFT RATINGS OF BENTGRASS CULTIVARS GROWN ON A
 MODIFIED SOIL GREEN
 1990 DATA

YELLOW TUFT RATINGS 1-9; 9=NO DISEASE 1/

NAME	MI1	MEAN
88.CBL	9.0	9.0
ALLURE	9.0	9.0
BARDOT	9.0	9.0
BR 1518	9.0	9.0
EGMONT	9.0	9.0
MSCB-6	9.0	9.0
NORMARC 101 (REGENT)	9.0	9.0
PENNCROSS	9.0	9.0
PROVIDENCE	9.0	9.0
TRACENTA	9.0	9.0
COBRA	8.7	8.7
EMERALD	8.7	8.7
88.CBE	8.3	8.3
MSCB-8	8.3	8.3
SR 1020	8.3	8.3
TAMU 88-1	8.3	8.3
WVPB 89-D-15	8.3	8.3
FORBES 89-12 (PRO/CUP)	8.0	8.0
PENNLINKS	8.0	8.0
NATIONAL	7.7	7.7
PUTTER	7.7	7.7
UM 84-01 (BISKA)	7.3	7.3
CARMEN	7.0	7.0
LSD VALUE	1.4	1.4

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