

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 coordinator, and a technical 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 1987

<u>State</u>	<u>Location</u>	<u>Code</u>
Arizona	Tucson	AZ1
California	Irvine	CA2
California	Riverside	CA3
Florida	Gainesville	FL1
Kansas	Manhattan	KS1
Kansas	Wichita	KS2
Louisiana	Baton Rouge (high mowing height)	LA1
Louisiana	Baton Rouge (low mowing height)	LA2
Maryland	Beltsville	UB1
Mississippi	Mississippi State (full sun)	MS1
Mississippi	Mississippi State (dense shade)	MS2
New Mexico	Las Cruces (high mowing height)	NM1
Oklahoma	Stillwater	OK1
Virginia	Blacksburg	VA1

NATIONAL BERMUDAGRASS TEST, 1986

Entries and Sponsors

<u>Entry No.</u>	<u>Name</u>	<u>Sponsor</u>
1	CT-23	Cal-Turf, Inc.-Camarillo, CA
2	NM 43	A. Baltensperger - New Mexico State University
3	NM 72	A. Baltensperger
4	NM 375	A. Baltensperger
5	NM 471	A. Baltensperger
6	NM 507	A. Baltensperger
7	Vamont	L. Taylor - Va. Tech
8	E-29	Kansas State University
9	A-29	Kansas State University
10	RS-1	H. Rice, A.J. Powell- University of Kentucky
11	MSB-10	J. Krans - Miss. St. Univ.
12	MSB-20	J. Krans
13	MSB-30	J. Krans
14	A-22	Kansas State University
15	Texturf 10	Texas A & M University
16	Midiron	-
17	Tufcote	-
18	Tifgreen	-
19	Tifway	-
20	Tifway II	-
21	NMS 1 (NuMex-Sahara)	A. Baltensperger & Farmers Marketing Corp.
22	NMS 2	A. Baltensperger
23	NMS 3	A. Baltensperger
24	NMS 4	A. Baltensperger
25	NMS 5	A. Baltensperger
26	Arizona Common	-
27	Guymon	Agriculture Processors - Enid, OK
28	FB-119	A. E. Dudeck - University of Florida

NOTE: Entries 21-27 are seeded bermudagrasses.

TABLE A. 1987 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES
IN THE 1986 NATIONAL BERMUDAGRASS TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)
AZ1	SAND	-	-	-
CA2	SANDY LOAM	6.6-7.0	-	-
CA3	SANDY LOAM	6.6-7.0	-	-
FL1	LOAMY SAND	6.6-7.0	151-270	151-240
KS1	SILTY CLAY LOAM	7.1-7.5	271-450	376-500
KS2	SANDY LOAM	6.6-7.0	61-150	241-375
LA1	SILT LOAM AND SILT	5.6-6.0	151-270	241-375
LA2	SILT LOAM AND SILT	5.6-6.0	151-270	241-375
MS1	SANDY CLAY LOAM	7.6-8.5	151-270	241-375
MS2	SANDY CLAY LOAM	6.6-7.0	151-270	241-375
NM1	SANDY CLAY LOAM	7.6-8.5	151-270	376-500
OK1	-	-	-	-
UB1	SILT LOAM AND SILT	5.6-6.0	151-270	241-375
VA1	SANDY LOAM	5.6-6.0	0-60	0-150

LOCATION	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
AZ1	-	FULL SUN	0.6-1.0	TO PREVENT STRESS
CA2	5.1-6.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
CA3	5.1-6.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
FL1	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
KS1	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
KS2	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
LA1	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
LA2	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
MS1	1.1-2.0	FULL SUN	1.6-2.0	NO IRRIGATION
MS2	1.1-2.0	DENSE SHADE	2.6-3.0	TO PREVENT STRESS
NM1	6.1-7.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OK1	-	-	-	-
UB1	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
VA1	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS

TABLE B. LOCATIONS AND DATA COLLECTED IN 1987

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING
AZ1						
CA2	X	X	X	X	X	X
CA3		X	X	X		
FL1	X	X	X	X	X	X
KS1					X	X
KS2						X
LA1						
LA2						
MS1				X	X	X
MS2						
NM1				X	X	X
OK1				X	X	X
UB1					X	X
VA1					X	X

LOCATION	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING
AZ1		X				
CA2	X	X	X		X	X
CA3		X	X		X	X
FL1	X	X	X	X	X	X
KS1	X	X	X			
KS2	X	X	X	X		
LA1				X		
LA2				X		
MS1	X	X	X			
MS2	X	X	X			
NM1	X		X	X	X	
OK1		X				
UB1	X	X	X	X		
VA1	X	X	X			

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS AT FOURTEEN LOCATIONS IN THE UNITED STATES

1987 DATA

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

NAME	AZ1	CA2	CA3	FL1	KS1	KS2	LA1	LA2	MS1	MS2	NM1	OK1	UB1	VA1	MEAN
MSB-20	5.0	5.9	5.5	5.0	6.7	8.3	7.3	8.0	7.7	3.8	6.6	5.8	6.8	6.2	6.3
* TIFWAY	5.3	6.4	5.3	5.3	7.1	8.4	7.3	7.0	6.8	3.4	7.5	5.2	6.7	6.1	6.3
* TIFGREEN	5.7	5.5	5.1	4.3	6.7	8.0	7.7	7.7	7.6	3.9	6.7	5.6	6.9	5.8	6.2
* TIFWAY II	5.0	6.3	5.5	5.3	7.1	8.4	7.3	6.7	7.0	3.7	7.6	4.7	6.7	5.6	6.2
MSB-10	4.3	6.2	4.9	5.8	6.9	8.5	7.3	6.7	7.2	3.9	7.6	4.5	6.6	5.4	6.1
NM 43	4.3	5.9	5.0	5.2	6.5	7.9	7.7	7.3	7.6	3.4	6.6	5.4	7.1	5.7	6.1
MSB-30	3.0	6.5	4.4	5.7	6.9	8.6	6.7	6.7	6.3	5.4	7.7	4.8	7.2	5.4	6.1
A-29	5.3	5.6	5.2	4.9	6.5	8.4	7.7	7.3	5.4	3.1	6.2	5.8	6.4	5.9	6.0
* TUF COTE	5.7	5.2	5.2	5.3	6.7	7.7	7.0	6.7	5.4	3.2	5.9	5.4	6.8	5.6	5.8
E-29	4.3	5.9	5.4	5.1	6.3	8.3	7.3	7.0	5.4	2.2	7.2	5.4	6.1	5.6	5.8
* TEXTURF 10	2.7	6.0	4.9	4.9	6.7	8.3	7.0	6.7	5.6	3.9	6.5	5.8	6.5	5.7	5.8
CT-23	5.7	5.7	5.4	4.5	6.3	7.9	7.0	6.7	6.1	2.7	6.9	4.5	6.0	5.3	5.8
A-22	5.0	5.3	5.3	4.6	6.6	8.1	7.0	6.7	5.3	2.7	6.8	5.0	6.2	5.5	5.7
NM 507	4.0	6.0	5.0	6.3	6.0	8.5	7.0	6.0	5.4	3.3	6.8	5.2	6.3	3.5	5.6
NM 471	4.0	6.2	5.2	5.6	5.5	8.5	7.0	6.0	5.0	4.0	6.6	4.3	6.4	3.7	5.6
FB-119	5.0	5.0	4.6	5.6	5.7	6.9	7.7	7.7	5.0	3.7	4.6	5.0	5.9	5.1	5.5
* VAMONT	3.0	4.8	5.1	5.0	5.9	6.1	8.3	8.0	4.4	3.4	4.4	5.4	5.9	6.0	5.4
* MIDIRON	4.7	5.6	4.9	4.3	6.3	8.1	6.7	6.0	5.1	2.6	6.6	4.4	5.6	4.9	5.4
RS-1	4.0	5.3	5.1	4.6	6.0	6.9	6.7	6.7	4.8	3.0	4.5	5.4	5.6	5.7	5.3
NM 72	4.3	4.7	4.6	5.6	4.8	7.3	7.3	6.0	4.9	3.7	4.3	5.2	6.1	3.8	5.2
NM 375	2.0	4.9	4.4	5.9	5.7	8.2	7.0	6.3	4.9	3.1	5.8	4.3	6.2	3.7	5.2
LSD VALUE	1.2	0.6	0.7	0.6	0.5	0.4	0.8	0.7	0.3	0.6	0.7	1.4	0.5	0.7	0.2

TABLE 1B. MEAN TURFGRASS QUALITY RATINGS OF SEEDED BERMUDAGRASS CULTIVARS AT FOURTEEN LOCATIONS IN THE UNITED STATES

1987 DATA

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

NAME	AZ1	CA2	CA3	FL1	KS1	KS2	LA1	LA2	MS1	MS2	NM1	OK1	UB1	VA1	MEAN
NMS 4	3.3	4.7	4.4	4.9	5.7	7.1	7.0	6.0	4.3	3.3	4.4	4.7	6.0	4.6	5.0
NMS 3	4.7	5.0	4.4	4.6	5.2	6.8	7.0	6.3	4.6	2.9	4.3	3.9	5.6	4.4	5.0
* NMS 1 (NUMEX- SAHARA)	5.0	4.5	4.4	5.2	5.6	6.4	7.0	.	3.9	3.3	3.7	5.3	5.7	4.6	5.0
NMS 2	3.7	4.2	4.9	4.9	5.4	5.4	6.7	7.0	3.9	3.3	3.6	5.1	5.3	4.5	4.8
NMS 14	3.3	4.4	4.5	4.6	5.7	5.7	7.0	7.0	3.9	3.1	3.0	5.0	4.7	4.5	4.7
* AZ. COMMON	3.3	4.2	4.5	4.8	5.5	6.3	7.0	7.0	3.7	3.0	3.2	3.6	4.6	3.9	4.6
* GUYMON	3.0	4.1	4.4	4.0	4.8	5.7	6.3	6.3	3.5	2.1	4.2	3.6	5.0	4.3	4.4
LSD VALUE	1.0	0.4	0.5	0.7	0.5	0.6	0.5	0.5	0.3	0.5	0.7	1.2	0.5	0.7	0.2

* COMMERCIALY AVAILABLE VARIETY

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 2A.

MEAN TURFGRASS QUALITY RATINGS OF VEGETATIVE BERMUDAGRASS
CULTIVARS FOR EACH MONTH GROWN AT FOURTEEN LOCATIONS IN THE U. S.
1987 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
MSB-20	2.8	4.8	6.0	6.2	6.0	6.7	6.9	6.4	6.6	7.1	5.4	4.0	6.3
TIFWAY	4.0	4.1	5.2	6.0	6.0	6.9	7.0	6.3	6.7	7.2	6.5	4.3	6.3
TIFWAY II	3.8	4.1	5.4	5.9	6.1	6.7	6.9	6.3	6.5	7.2	6.7	4.4	6.2
TIFGREEN	3.0	4.8	5.2	5.6	5.9	6.2	6.7	6.3	6.2	7.0	5.3	4.1	6.2
MSB-10	4.2	4.8	6.3	5.7	5.9	6.7	6.9	6.1	6.6	7.2	6.3	4.6	6.1
NM 43	3.2	4.4	5.6	6.1	5.8	6.6	6.8	6.1	6.4	7.1	5.6	4.2	6.1
MSB-30	3.2	3.6	4.7	5.8	6.0	7.3	7.6	6.4	6.7	6.9	5.7	4.3	6.1
A-29	3.6	2.9	4.6	5.5	5.9	6.3	6.5	6.0	5.7	6.4	5.8	4.7	6.0
TUFCOTE	2.8	4.1	5.4	6.1	5.6	6.3	6.1	5.8	5.8	6.4	5.2	4.3	5.8
E-29	3.3	3.7	5.2	6.3	5.8	6.1	6.5	5.8	5.7	6.7	6.6	4.7	5.8
TEXTURF 10	2.8	4.0	4.9	5.8	5.8	6.7	6.9	5.8	6.0	6.7	5.0	4.1	5.8
CT-23	4.5	4.8	5.4	5.2	4.9	5.5	6.3	5.7	6.0	6.3	6.7	4.8	5.7
A-22	3.2	3.6	5.0	5.9	5.4	6.0	6.1	5.7	5.6	6.4	6.3	4.6	5.7
NM 507	3.5	4.7	6.6	5.5	4.7	5.9	6.5	6.0	6.4	6.9	5.8	4.4	5.6
NM 471	4.0	5.0	7.0	5.1	4.2	5.7	6.6	5.8	6.4	6.7	5.8	4.2	5.6
FB-119	2.8	5.3	6.6	4.8	4.1	5.0	5.8	5.5	5.4	6.4	6.0	4.7	5.5
VAMONT	3.3	4.6	6.1	5.0	5.0	5.3	5.5	5.2	4.8	6.1	5.3	4.9	5.4
MIDIRON	3.3	2.6	4.2	5.3	5.3	6.0	6.2	5.5	5.6	6.2	4.8	4.3	5.4
RS-1	2.8	4.7	6.2	4.6	4.5	5.4	5.7	5.4	5.0	5.9	5.6	4.6	5.3
NM 375	2.8	3.4	4.2	4.6	4.6	5.6	6.0	5.3	5.6	6.9	6.4	5.1	5.2
NM 72	2.5	4.8	5.9	4.6	3.8	5.1	5.7	5.6	5.5	5.9	4.7	4.5	5.2
LSD VALUE	2.0	1.3	1.3	0.9	0.9	0.8	0.7	0.8	0.9	0.8	0.9	1.2	0.6

TABLE 2B.

MEAN TURFGRASS QUALITY RATINGS OF SEEDED BERMUDAGRASS CULTIVARS FOR
EACH MONTH GROWN AT FOURTEEN LOCATIONS IN THE UNITED STATES
1987 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
NMS 4	2.5	3.8	5.0	4.4	4.1	5.2	5.7	5.3	5.3	5.7	4.7	4.1	5.0
NMS 3	3.0	3.7	4.4	4.4	3.5	4.4	6.0	5.3	5.4	5.8	4.8	4.0	5.0
NMS 1 (NUMEX- SAHARA)	2.5	3.8	5.0	4.4	4.0	5.0	5.4	5.4	4.8	5.7	4.9	4.3	5.0
NMS 2	2.2	2.8	4.3	4.6	3.9	4.6	5.3	5.1	4.9	5.5	5.2	4.0	4.8
NMS 14	2.7	3.3	4.6	4.4	3.7	4.4	5.0	4.8	4.8	5.3	4.4	4.3	4.7
AZ. COMMON	3.0	3.4	4.6	3.9	3.3	4.3	5.0	4.8	4.4	5.4	4.9	4.6	4.6
GUYMON	3.0	2.2	3.2	3.8	3.9	4.7	5.2	4.5	4.1	4.9	4.3	3.8	4.4
LSD VALUE	1.2	1.0	1.3	0.8	0.6	0.6	0.6	0.7	0.7	1.0	1.0	1.0	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 3A. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF VEGETATIVE
BERMUDAGRASS CULTIVARS AT FOURTEEN LOCATIONS IN THE U. S. 1/
1987 DATA

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

NAME	AZ1	CA2	CA3	FL1	KS1	KS2	LA1	LA2
MSB-20	7.5	9.5	1.0	13.0	5.5	9.0	8.5	1.5
TIFWAY	4.5	2.0	5.0	8.0	2.0	5.5	8.5	7.5
TIFGREEN	2.0	14.0	10.5	20.0	7.5	14.0	3.5	3.5
TIFWAY II	7.5	3.0	2.0	10.0	1.0	5.5	8.5	12.5
MSB-10	12.5	4.0	16.0	3.0	3.0	2.0	8.5	12.5
NM 43	12.5	8.0	13.0	11.0	10.5	15.5	3.5	5.5
MSB-30	18.5	1.0	21.0	4.0	4.0	1.0	20.0	12.5
A-29	4.5	12.0	8.0	15.5	10.5	7.0	3.5	5.5
TUFCOTE	2.0	17.0	8.0	9.0	7.5	17.0	15.0	12.5
E-29	12.5	9.5	3.0	12.0	14.0	9.0	8.5	7.5
TEXTURF 10	20.0	6.0	17.0	15.5	5.5	9.0	15.0	12.5
CT-23	2.0	11.0	4.0	19.0	13.0	15.5	15.0	12.5
A-22	7.5	15.0	6.0	17.0	9.0	12.0	15.0	12.5
NM 507	16.0	7.0	14.0	1.0	15.5	3.5	15.0	19.5
NM 471	16.0	5.0	8.0	5.0	20.0	3.5	15.0	19.5
FB-119	7.5	18.0	18.0	6.5	18.5	19.0	3.5	3.5
VAMONT	18.5	20.0	12.0	14.0	17.0	21.0	1.0	1.5
MIDIRON	10.0	13.0	15.0	21.0	12.0	13.0	20.0	19.5
RS-1	16.0	16.0	10.5	18.0	15.5	20.0	20.0	12.5
NM 72	12.5	21.0	19.0	6.5	21.0	18.0	8.5	19.5
NM 375	21.0	19.0	20.0	2.0	18.5	11.0	15.0	17.0

NAME	MS1	MS2	NM1	OK1	UB1	VA1	MEAN
MSB-20	1.0	6.0	11.5	2.5	4.0	1.0	1
TIFWAY	6.0	10.5	4.0	11.0	6.5	2.0	2
TIFGREEN	2.5	4.0	9.0	4.0	3.0	5.0	3
TIFWAY II	5.0	8.0	2.0	16.0	6.5	9.5	4
MSB-10	4.0	4.0	3.0	17.5	8.0	14.0	5
NM 43	2.5	12.0	11.5	7.0	2.0	6.0	6
MSB-30	7.0	1.0	1.0	15.0	1.0	13.0	7
A-29	11.0	15.5	15.0	2.5	10.0	4.0	8
TUFCOTE	11.0	14.0	16.0	7.0	5.0	9.5	9
E-29	11.0	21.0	5.0	7.0	15.0	11.0	10
TEXTURF 10	9.0	4.0	14.0	1.0	9.0	7.0	11
CT-23	8.0	18.5	6.0	17.5	17.0	15.0	12
A-22	14.0	18.5	7.5	13.5	13.0	12.0	13
NM 507	13.0	13.0	7.5	11.0	12.0	21.0	14
NM 471	16.5	2.0	11.5	20.5	11.0	19.5	15
FB-119	16.5	8.0	18.0	13.5	18.5	16.0	16
VAMONT	21.0	10.5	20.0	7.0	18.5	3.0	17
MIDIRON	15.0	20.0	11.5	19.0	20.5	17.0	18
RS-1	20.0	17.0	19.0	7.0	20.5	8.0	19
NM 72	18.0	8.0	21.0	11.0	16.0	18.0	20
NM 375	19.0	15.5	17.0	20.5	14.0	19.5	21

- 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 & LSD VALUES FOUND IN TABLE 1.
- 2/ RANKING OF MEAN QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. IF MEANS ARE TIED THE MEAN OF THE RANKS THEY ARE TIED FOR IS USED. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 3B.
 RANKING OF MEAN TURFGRASS QUALITY RATINGS OF SEEDED BERMUDAGRASS
 CULTIVARS AT FOURTEEN LOCATIONS IN THE UNITED STATES 1/
 1987 DATA

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

NAME	AZ1	CA2	CA3	FL1	KS1	KS2	LA1	LA2
NMS 4	5	2	6.5	2	1.5	1	3	6.0
NMS 3	2	1	6.5	6	6.0	2	3	4.5
NMS 1 (NUMEX-SAHARA)	1	3	5.0	1	3.0	3	3	.
NMS 2	3	5	1.0	3	5.0	7	6	2.0
NMS 14	5	4	3.0	5	1.5	5	3	2.0
AZ. COMMON	5	6	2.0	4	4.0	4	3	2.0
GUYMON	7	7	4.0	7	7.0	6	7	4.5

NAME	MS1	MS2	NM1	OK1	UB1	VA1	MEAN
NMS 4	2.0	2	1	4.0	1	1.5	1
NMS 3	1.0	6	2	5.0	3	5.0	2
NMS 1 (NUMEX-SAHARA)	3.5	2	4	1.0	2	1.5	3
NMS 2	3.5	2	5	2.0	4	3.5	4
NMS 14	5.0	4	7	3.0	6	3.5	5
AZ. COMMON	6.0	5	6	6.5	7	7.0	6
GUYMON	7.0	7	3	6.5	5	6.0	7

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

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

TABLE 4A. SPRING GREENUP RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
1987 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 1/					
NAME	FL1	MS1	NM1	VA1	MEAN
MSB-20	5.3	5.3	7.3	4.7	5.7
RS-1	6.3	5.0	5.7	5.3	5.6
TEXTURF 10	3.7	6.0	7.3	5.3	5.6
VAMONT	7.3	3.3	4.3	7.3	5.6
NM 43	4.3	5.7	7.0	5.0	5.5
TIFGREEN	4.7	5.7	6.7	4.7	5.4
MIDIRON	1.7	5.0	7.7	6.0	5.1
TUFCOTE	4.7	4.0	5.3	6.0	5.0
A-22	3.0	3.3	6.0	6.3	4.7
FB-119	8.3	3.7	4.7	1.7	4.6
A-29	3.0	3.0	6.3	6.0	4.6
E-29	4.0	3.0	7.3	3.3	4.4
NM 471	7.3	2.7	6.3	1.3	4.4
NM 375	3.7	3.0	4.3	5.7	4.2
NM 507	7.0	2.3	6.3	1.0	4.2
MSB-30	3.7	4.0	5.0	4.0	4.2
TIFWAY	3.3	2.3	5.3	5.0	4.0
MSB-10	5.3	2.3	4.7	3.3	3.9
NM 72	7.0	2.7	5.0	1.0	3.9
CT-23	3.3	2.7	5.7	3.0	3.7
TIFWAY II	3.3	2.0	6.0	2.3	3.4
LSD VALUE	1.7	1.1	1.6	2.4	0.9

TABLE 4B. SPRING GREENUP RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
1987 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 1/					
NAME	FL1	MS1	NM1	VA1	MEAN
AZ. COMMON	4.7	4.7	5.0	3.3	4.4
NMS 1 (NUMEX-SAHARA)	5.3	4.0	4.7	3.0	4.3
NMS 14	4.0	4.3	3.7	3.3	3.8
NMS 2	3.0	4.0	4.3	3.0	3.6
NMS 3	4.3	2.3	5.0	2.3	3.5
NMS 4	5.3	2.3	4.3	2.0	3.5
GUYMON	1.0	3.0	4.3	4.3	3.2
LSD VALUE	2.2	0.7	1.2	1.1	0.7

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 5A.
GENETIC COLOR RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
1987 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/						
NAME	AZ1	CA2	FL1	KS2	NM1	MEAN
TIFWAY II	6.3	8.0	7.3	8.7	6.7	7.4
NM 375	6.3	8.0	7.3	9.0	6.0	7.3
TIFWAY	6.7	8.0	7.0	8.3	6.3	7.3
MSB-10	6.0	7.7	7.0	8.3	6.7	7.1
MSB-30	7.0	9.0	8.7	4.0	7.0	7.1
NM 507	6.3	8.0	7.7	7.3	5.7	7.0
NM 471	6.3	7.7	6.7	7.0	6.7	6.9
E-29	6.0	7.0	5.7	8.0	5.7	6.5
TUFCOTE	6.7	6.7	5.7	6.7	6.7	6.5
TEXTURF 10	6.3	7.7	6.0	6.0	6.0	6.4
MIDIRON	6.7	7.7	5.3	6.7	5.3	6.3
CT-23	6.3	6.0	4.7	8.3	6.0	6.3
MSB-20	6.3	7.7	6.3	5.7	5.3	6.3
NM 43	6.0	7.3	6.3	5.7	5.7	6.2
A-22	5.7	6.3	5.3	7.3	6.0	6.1
A-29	5.3	7.0	6.0	6.3	5.7	6.1
TIFGREEN	6.3	7.0	5.0	5.7	5.7	5.9
NM 72	5.7	6.0	6.3	4.3	4.7	5.4
RS-1	5.3	8.0	5.0	4.0	4.3	5.3
VAMONT	5.0	5.7	5.3	5.3	5.3	5.3
FB-119	4.7	5.3	5.7	5.7	5.0	5.3
LSD VALUE	0.9	0.9	1.0	1.3	2.1	0.6

TABLE 5B.
GENETIC COLOR RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
1987 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/						
NAME	AZ1	CA2	FL1	KS2	NM1	MEAN
GUYMON	5.3	6.3	6.0	6.3	7.0	6.2
NMS 4	6.0	5.7	6.0	4.3	6.7	5.7
NMS 3	5.7	6.3	5.3	5.3	5.3	5.6
NMS 2	5.0	6.3	6.0	4.0	5.7	5.4
NMS 1 (NUMEX-SAHARA)	5.0	5.7	6.3	4.0	5.7	5.3
NMS 14	5.3	5.3	5.3	5.0	5.3	5.3
AZ. COMMON	5.3	5.7	5.0	5.3	4.7	5.2
LSD VALUE	1.3	0.9	0.6	1.1	2.1	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 6A.
WINTER COLOR RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
1987 DATA

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

NAME	FL1	LA1	LA2	MEAN
VAMONT	6.3	6.7	7.0	6.7
FB-119	6.7	6.3	6.0	6.3
CT-23	4.7	7.0	7.0	6.2
NM 72	5.7	6.7	6.3	6.2
MSB-10	5.0	6.3	6.7	6.0
NM 43	4.3	6.7	7.0	6.0
NM 471	5.7	6.7	5.7	6.0
NM 507	6.0	6.3	5.7	6.0
MSB-20	4.0	6.7	7.0	5.9
TIFWAY II	3.7	6.7	7.0	5.8
TUFCOTE	4.3	6.3	6.7	5.8
TIFGREEN	4.3	6.0	6.7	5.7
TIFWAY	4.3	6.3	6.3	5.7
A-22	4.3	6.3	6.0	5.6
A-29	4.7	6.0	5.7	5.4
E-29	4.7	5.7	5.7	5.3
NM 375	4.7	6.0	5.3	5.3
TEXTURF 10	4.0	6.0	6.0	5.3
MSB-30	4.0	5.0	5.3	4.8
RS-1	5.3	4.3	4.3	4.7
MIDIRON	3.3	5.7	4.7	4.6
LSD VALUE	1.1	1.0	1.0	0.6

TABLE 6B.
WINTER COLOR RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
1987 DATA

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

NAME	FL1	LA1	LA2	MEAN
NMS 4	4.7	6.7	6.3	5.9
NMS 1 (NUMEX-SAHARA)	4.7	6.3	6.3	5.8
AZ. COMMON	5.0	6.0	6.0	5.7
NMS 3	4.3	6.7	5.7	5.6
NMS 14	4.3	6.0	6.3	5.6
NMS 2	4.0	6.0	6.0	5.3
GUYMON	2.7	5.0	5.0	4.2
LSD VALUE	0.8	1.1	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 7A.
LEAF TEXTURE RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
1987 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 1/				
NAME	AZ1	FL1	NM1	MEAN
NM 43	7.0	9.0	9.0	8.3
MSB-20	7.7	8.3	8.7	8.2
CT-23	6.7	8.7	8.7	8.0
MSB-10	6.7	9.0	8.3	8.0
TIFGREEN	7.3	7.7	9.0	8.0
TIFWAY II	6.3	9.0	8.7	8.0
TIFWAY	7.0	8.3	8.3	7.9
NM 471	6.3	8.7	7.0	7.3
NM 507	6.0	8.7	7.3	7.3
TUFCOTE	5.7	7.7	7.3	6.9
NM 72	6.3	6.7	7.0	6.7
A-22	5.7	5.7	8.0	6.4
A-29	5.7	5.0	7.3	6.0
E-29	6.3	5.3	6.3	6.0
MSB-30	5.3	6.7	5.7	5.9
MIDIRON	5.3	5.0	7.3	5.9
FB-119	5.7	4.7	7.0	5.8
NM 375	5.7	5.0	6.7	5.8
TEXTURF 10	5.7	6.0	5.0	5.6
RS-1	5.7	3.3	6.0	5.0
VAMONT	4.7	4.3	3.7	4.2
LSD VALUE	1.0	1.6	1.1	0.7

TABLE 7B.
LEAF TEXTURE RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
1987 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 1/				
NAME	AZ1	FL1	NM1	MEAN
NMS 4	6.0	6.0	7.0	6.3
NMS 3	5.3	5.7	6.3	5.8
NMS 1 (NUMEX-SAHARA)	4.7	4.3	6.0	5.0
NMS 14	4.3	3.0	5.0	4.1
NMS 2	4.3	2.3	5.3	4.0
AZ. COMMON	4.3	2.0	4.7	3.7
GUYMON	4.3	1.0	5.3	3.6
LSD VALUE	0.9	2.3	1.3	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 8A.
 PLANT VIGOR RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
 1987 DATA

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

NAME	FL1	MEAN
FB-119	8.0	8.0
NM 471	6.3	6.3
VAMONT	6.3	6.3
NM 507	5.3	5.3
NM 72	5.3	5.3
RS-1	5.0	5.0
A-29	4.7	4.7
MSB-10	4.7	4.7
MSB-20	4.7	4.7
TIFGREEN	4.7	4.7
MSB-30	4.3	4.3
TUFCOTE	4.3	4.3
E-29	4.0	4.0
NM 43	4.0	4.0
CT-23	3.3	3.3
NM 375	3.0	3.0
TIFWAY	3.0	3.0
TIFWAY II	3.0	3.0
TEXTURF 10	2.7	2.7
A-22	2.3	2.3
MIDIRON	2.3	2.3
LSD VALUE	1.6	1.6

TABLE 8B.
 PLANT VIGOR RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
 1987 DATA

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

NAME	FL1	MEAN
NMS 1 (NUMEX-SAHARA)	5.0	5.0
NMS 4	5.0	5.0
AZ. COMMON	4.3	4.3
NMS 3	4.0	4.0
NMS 14	3.7	3.7
NMS 2	3.0	3.0
GUYMON	1.0	1.0
LSD VALUE	2.0	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 9A.
 FROST TOLERANCE RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
 1987 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 1/

NAME	FL1	OK1	MEAN
E-29	5.7	6.0	5.8
A-22	5.7	5.3	5.5
CT-23	5.3	5.7	5.5
VAMONT	5.7	4.7	5.2
NM 471	4.7	5.3	5.0
TIFWAY	4.7	5.0	4.8
A-29	6.0	3.7	4.8
TIFWAY II	3.7	6.0	4.8
NM 375	5.0	4.3	4.7
FB-119	4.3	4.7	4.5
MSB-10	4.7	4.3	4.5
RS-1	4.7	3.7	4.2
NM 43	4.7	3.3	4.0
TUFCOTE	4.0	4.0	4.0
NM 72	3.3	4.3	3.8
TEXTURF 10	4.0	3.7	3.8
MSB-30	3.7	3.7	3.7
NM 507	3.7	3.3	3.5
TIFGREEN	3.3	3.7	3.5
MIDIRON	3.7	3.0	3.3
MSB-20	3.0	3.3	3.2
LSD VALUE	1.5	1.3	1.0

TABLE 9B.
 FROST TOLERANCE RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
 1987 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 1/

NAME	FL1	OK1	MEAN
AZ. COMMON	5.7	4.0	4.8
NMS 14	4.7	5.0	4.8
GUYMON	4.0	4.7	4.3
NMS 1 (NUMEX-SAHARA)	4.0	4.7	4.3
NMS 2	4.7	4.0	4.3
NMS 4	3.7	4.0	3.8
NMS 3	4.0	3.3	3.7
LSD VALUE	1.3	1.6	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 10A.
 SUMMER DENSITY RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
 1987 DATA

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

NAME	NM1	MEAN
MSB-30	8.3	8.3
TEXTURF 10	8.0	8.0
TIFGREEN	8.0	8.0
NM 43	7.7	7.7
CT-23	7.3	7.3
MIDIRON	7.3	7.3
MSB-20	7.3	7.3
NM 471	7.3	7.3
NM 507	7.3	7.3
NM 72	7.0	7.0
A-22	6.7	6.7
A-29	6.3	6.3
MSB-10	6.3	6.3
NM 375	6.3	6.3
TIFWAY	6.3	6.3
TUFCOTE	6.3	6.3
FB-119	6.0	6.0
TIFWAY II	6.0	6.0
E-29	5.3	5.3
RS-1	5.3	5.3
VAMONT	5.0	5.0
LSD VALUE	1.1	1.1

TABLE 10B.
 SUMMER DENSITY RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
 1987 DATA

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

NAME	NM1	MEAN
NMS 3	6.3	6.3
NMS 4	6.3	6.3
GUYMON	4.7	4.7
NMS 2	4.7	4.7
NMS 1 (NUMEX-SAHARA)	4.3	4.3
NMS 14	3.3	3.3
AZ. COMMON	3.0	3.0
LSD VALUE	1.2	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 11A. PERCENT LIVING GROUND COVER (SUMMER)
 RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS 1/
 1987 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	MEAN
A-29	97.7	97.7
MSB-20	93.0	93.0
TIFGREEN	91.7	91.7
FB-119	88.3	88.3
TIFWAY	88.3	88.3
A-22	86.7	86.7
TUFCOTE	86.7	86.7
NM 43	85.7	85.7
CT-23	83.0	83.0
TIFWAY II	79.3	79.3
NM 471	78.3	78.3
RS-1	78.3	78.3
MIDIRON	76.7	76.7
NM 507	75.0	75.0
MSB-10	70.0	70.0
E-29	66.7	66.7
MSB-30	66.7	66.7
NM 72	65.0	65.0
VAMONT	60.0	60.0
TEXTURF 10	55.0	55.0
NM 375	15.0	15.0
LSD VALUE	16.9	16.9

TABLE 11B. PERCENT LIVING GROUND COVER (SUMMER)
 RATINGS OF SEEDED BERMUDAGRASS CULTIVARS 1/
 1987 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	MEAN
NMS 3	85.0	85.0
NMS 2	75.0	75.0
NMS 14	68.3	68.3
NMS 4	66.7	66.7
NMS 1 (NUMEX-SAHARA)	63.3	63.3
GUYMON	61.7	61.7
AZ. COMMON	60.0	60.0
LSD VALUE	17.8	17.8

1/ THIS LOCATION (AZ1) WAS PLANTED IN SUMMER 1987, THEREFORE, IN THIS INSTANCE, PERCENT LIVING GROUND COVER IN SUMMER REPRESENTS RATE OF ESTABLISHMENT.

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 12A.

LEAFSPOT RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS 1/
1987 DATA

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

NAME	UB1	MEAN
NM 471	8.3	8.3
NM 507	8.0	8.0
MSB-30	7.7	7.7
NM 72	7.7	7.7
NM 375	7.3	7.3
NM 43	6.7	6.7
TEXTURF 10	6.3	6.3
MSB-20	5.7	5.7
VAMONT	5.3	5.3
A-29	5.0	5.0
FB-119	5.0	5.0
RS-1	5.0	5.0
TIFGREEN	4.7	4.7
CT-23	4.3	4.3
TIFWAY II	4.3	4.3
TUFCOTE	4.3	4.3
TIFWAY	4.0	4.0
MSB-10	3.7	3.7
MIDIRON	2.7	2.7
E-29	2.3	2.3
A-22	1.3	1.3
LSD VALUE	1.2	1.2

TABLE 12B.

LEAFSPOT RATINGS OF SEEDED BERMUDAGRASS CULTIVARS 1/
1987 DATA

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

NAME	UB1	MEAN
NMS 3	6.0	6.0
NMS 4	6.0	6.0
NMS 1 (NUMEX-SAHARA)	4.0	4.0
GUYMON	3.3	3.3
NMS 14	3.3	3.3
NMS 2	3.3	3.3
AZ. COMMON	2.7	2.7
LSD VALUE	1.1	1.1

1/ LEAFSPOT (BIPOLARIS CYNODONTIS) RATED JUNE 26, 1987.

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 13A.
 FALL COLOR (OCTOBER) RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
 1987 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 1/

NAME	MS1	UB1	VA1	MEAN
TIFWAY II	6.7	8.7	6.3	7.2
MSB-10	6.7	8.7	6.0	7.1
TIFWAY	6.3	8.7	6.0	7.0
NM 375	5.0	7.7	6.0	6.2
NM 507	5.0	7.3	6.0	6.1
CT-23	6.0	7.0	5.0	6.0
NM 471	5.0	6.0	6.0	5.7
TUFCOTE	5.0	5.7	5.7	5.4
A-22	4.3	5.7	5.3	5.1
MSB-30	4.3	6.0	4.7	5.0
VAMONT	4.7	4.3	5.3	4.8
FB-119	5.0	3.7	4.7	4.4
A-29	5.0	3.3	4.7	4.3
NM 43	3.0	6.0	4.0	4.3
MIDIRON	4.0	4.7	4.0	4.2
TEXTURF 10	4.0	4.0	4.7	4.2
E-29	4.3	3.0	5.0	4.1
RS-1	4.0	3.7	4.3	4.0
NM 72	3.7	2.7	5.0	3.8
TIFGREEN	3.0	3.3	4.0	3.4
MSB-20	3.0	3.3	3.7	3.3
LSD VALUE	0.8	1.4	0.7	0.6

TABLE 13B.
 FALL COLOR (OCTOBER) RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
 1987 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 1/

NAME	MS1	UB1	VA1	MEAN
GUYMON	4.3	3.0	4.3	3.9
NMS 3	4.3	3.0	4.0	3.8
AZ. COMMON	4.7	2.0	4.0	3.6
NMS 1 (NUMEX-SAHARA)	4.3	2.3	4.0	3.6
NMS 4	4.0	2.3	4.0	3.4
NMS 14	4.0	2.0	3.7	3.2
NMS 2	4.0	2.0	3.7	3.2
LSD VALUE	0.7	0.5	0.6	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 14A.
 FALL COLOR (NOVEMBER) RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
 1987 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 1/

NAME	CA2	NM1	UB1	MEAN
NM 375	7.3	7.0	4.7	6.3
MSB-10	7.7	5.0	6.0	6.2
TIFWAY	7.7	6.0	5.0	6.2
TIFWAY II	7.3	6.0	5.0	6.1
E-29	5.7	7.3	2.0	5.0
CT-23	6.3	6.0	2.3	4.9
FB-119	6.3	6.3	2.0	4.9
NM 471	6.3	6.0	2.3	4.9
NM 507	6.0	6.0	2.7	4.9
A-22	5.7	5.0	3.0	4.6
TUFCOTE	5.7	5.0	2.3	4.3
MSB-30	7.0	5.0	1.0	4.3
MIDIRON	7.0	3.7	1.7	4.1
A-29	6.7	3.7	1.7	4.0
VAMONT	5.3	4.3	2.3	4.0
NM 72	5.0	5.0	1.3	3.8
TEXTURF 10	6.7	2.3	1.3	3.4
NM 43	6.0	2.7	1.7	3.4
MSB-20	6.3	2.7	1.0	3.3
RS-1	6.0	2.0	1.7	3.2
TIFGREEN	5.7	2.7	1.0	3.1
LSD VALUE	1.0	2.0	0.9	0.8

TABLE 14B.
 FALL COLOR (NOVEMBER) RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
 1987 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION

NAME	CA2	NM1	UB1	MEAN
AZ. COMMON	6.3	5.3	1.7	4.4
NMS 1 (NUMEX-SAHARA)	7.3	4.0	1.3	4.2
NMS 2	6.0	4.7	1.3	4.0
NMS 14	6.7	3.7	1.3	3.9
GUYMON	5.7	2.7	2.3	3.6
NMS 4	5.7	4.0	1.0	3.6
NMS 3	6.0	2.3	1.0	3.1
LSD VALUE	0.8	1.9	0.8	0.7

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 15A.
 FALL COLOR (DECEMBER) RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
 1987 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 1/

NAME	CA2	MS2	MEAN
MSB-10	6.0	5.0	5.5
TIFWAY II	5.7	4.7	5.2
MSB-30	5.0	5.3	5.2
TIFWAY	6.0	4.0	5.0
TUFCOTE	5.7	4.3	5.0
FB-119	5.7	4.0	4.8
NM 72	5.0	4.7	4.8
NM 375	6.0	3.3	4.7
MSB-20	5.0	4.0	4.5
NM 471	4.3	4.7	4.5
TEXTURF 10	5.7	3.0	4.3
NM 507	5.0	3.7	4.3
TIFGREEN	5.0	3.3	4.2
CT-23	5.7	2.3	4.0
NM 43	5.0	2.7	3.8
VAMONT	5.0	2.7	3.8
RS-1	4.7	2.0	3.3
A-22	5.0	1.0	3.0
A-29	5.0	1.0	3.0
E-29	5.0	1.0	3.0
MIDIRON	4.3	1.0	2.7
LSD VALUE	0.8	1.3	0.8

TABLE 15B.
 FALL COLOR (DECEMBER) RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
 1987 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION

NAME	CA2	MS2	MEAN
NMS 1 (NUMEX-SAHARA)	5.0	4.0	4.5
NMS 14	5.3	3.3	4.3
NMS 2	5.0	3.7	4.3
NMS 4	5.3	3.0	4.2
AZ. COMMON	4.7	3.3	4.0
NMS 3	4.3	2.7	3.5
GUYMON	3.7	1.0	2.3
LSD VALUE	1.0	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 16A.
 SCALPING RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
 1987 DATA

SCALPING RATINGS 1-9; 9=NO SCALPING 1/				
NAME	CA3	NM1	MEAN	
MSB-30	7.7	7.0	7.3	
NM 375	7.0	7.7	7.3	
VAMONT	7.7	7.0	7.3	
RS-1	7.0	7.3	7.2	
TEXTURF 10	6.0	8.0	7.0	
A-29	7.0	6.7	6.8	
E-29	6.7	6.7	6.7	
TUFCOTE	6.7	6.0	6.3	
NM 72	6.0	6.0	6.0	
NM 507	5.7	5.7	5.7	
A-22	6.3	4.0	5.2	
MIDIRON	5.0	5.0	5.0	
NM 471	4.0	5.3	4.7	
FB-119	5.0	4.0	4.5	
TIFGREEN	5.7	3.0	4.3	
NM 43	5.0	3.7	4.3	
MSB-10	4.7	3.7	4.2	
TIFWAY II	5.0	3.0	4.0	
MSB-20	4.7	2.7	3.7	
TIFWAY	3.7	3.7	3.7	
CT-23	2.3	3.3	2.8	
LSD VALUE	2.6	2.0	1.6	

TABLE 16B.
 SCALPING RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
 1987 DATA

SCALPING RATINGS 1-9; 9=NO SCALPING 1/				
NAME	CA3	NM1	MEAN	
GUYMON	7.3	6.7	7.0	
NMS 14	7.0	6.3	6.7	
NMS 1 (NUMEX-SAHARA)	7.0	5.7	6.3	
NMS 2	6.0	6.7	6.3	
AZ. COMMON	6.3	6.0	6.2	
NMS 4	6.0	6.0	6.0	
NMS 3	4.3	6.0	5.2	
LSD VALUE	1.9	1.5	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 17A.
 PERCENT WINTER KILL OF VEGETATIVE BERMUDAGRASS CULTIVARS
 1987 DATA

PERCENT WINTER KILL: LOCATIONS 1/		
NAME	UB1	MEAN
NM 507	58.3	58.3
FB-119	50.0	50.0
NM 471	48.3	48.3
NM 72	28.3	28.3
MIDIRON	11.7	11.7
MSB-30	11.7	11.7
CT-23	5.0	5.0
MSB-10	5.0	5.0
TIFWAY	5.0	5.0
TIFWAY II	5.0	5.0
TEXTURF 10	3.3	3.3
TIFGREEN	3.3	3.3
E-29	2.7	2.7
MSB-20	1.7	1.7
NM 375	1.7	1.7
NM 43	1.7	1.7
A-22	0.0	0.0
A-29	0.0	0.0
RS-1	0.0	0.0
TUFCOTE	0.0	0.0
VAMONT	0.0	0.0
LSD VALUE	9.6	9.6

TABLE 17B.
 PERCENT WINTER KILL OF SEEDED BERMUDAGRASS CULTIVARS
 1987 DATA

PERCENT WINTER KILL: LOCATIONS 1/		
NAME	UB1	MEAN
NMS 3	71.7	71.7
NMS 4	38.3	38.3
AZ. COMMON	35.0	35.0
NMS 14	33.3	33.3
NMS 2	21.7	21.7
NMS 1 (NUMEX-SAHARA)	18.3	18.3
GUYMON	8.3	8.3
LSD VALUE	21.5	21.5

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 18A. SEEDHEAD RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
1987 DATA

SEEDHEAD RATINGS 1-9; 9=NO SEEDHEADS 1/						
NAME	CA2	CA3	MS1	NM1	VA1	MEAN
MSB-30	8.3	2.7	9.0	9.0	9.0	7.6
TIFWAY	8.0	2.7	6.7	7.7	7.3	6.5
TIFWAY II	8.0	2.5	6.7	7.7	7.0	6.4
TEXTURF 10	7.3	4.3	5.3	7.7	6.7	6.3
MSB-10	8.3	2.7	6.7	7.3	6.3	6.3
A-22	7.3	2.0	5.7	6.7	6.7	5.7
E-29	5.7	1.3	6.3	7.7	7.3	5.7
CT-23	6.0	3.3	5.0	7.3	6.3	5.6
TUFCOTE	3.7	4.7	7.3	4.7	7.0	5.5
MIDIRON	6.0	2.7	5.3	6.0	5.7	5.1
NM 507	4.3	6.0	3.0	5.7	6.7	5.1
FB-119	3.3	8.0	3.7	4.3	5.0	4.9
TIFGREEN	3.0	8.0	3.0	5.3	5.0	4.9
NM 43	2.3	8.0	3.7	5.3	4.7	4.8
RS-1	5.0	5.0	4.0	4.3	5.0	4.7
NM 375	3.3	8.0	2.0	4.7	5.0	4.6
MSB-20	2.3	5.7	3.7	5.7	4.7	4.4
VAMONT	3.0	4.0	4.3	6.0	4.7	4.4
NM 471	4.0	4.0	2.3	5.3	5.7	4.3
NM 72	2.7	9.0	2.3	3.3	4.0	4.3
A-29	4.0	3.7	3.3	5.0	5.0	4.2
LSD VALUE	1.4	1.9	1.1	1.3	1.2	0.6

TABLE 18B. SEEDHEAD RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
1987 DATA

SEEDHEAD RATINGS 1-9; 9=NO SEEDHEADS 1/						
NAME	CA2	CA3	MS1	NM1	VA1	MEAN
GUYMON	6.0	2.7	5.0	6.7	6.7	5.4
NMS 1 (NUMEX-SAHARA)	4.3	8.0	4.0	3.7	4.7	4.9
NMS 4	4.3	7.7	3.7	4.0	4.7	4.9
NMS 14	4.7	7.3	4.3	3.3	4.3	4.8
AZ. COMMON	4.7	4.0	5.0	4.7	5.3	4.7
NMS 2	5.0	6.0	3.7	4.3	4.7	4.7
NMS 3	3.7	6.3	3.3	5.0	5.3	4.7
LSD VALUE	1.9	1.3	0.7	1.0	0.9	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 19A.
 SOD STRENGTH RATINGS OF VEGETATIVE BERMUDAGRASS CULTIVARS
 1987 DATA

SOD STRENGTH MEASURED IN KILOGRAMS OF TENSION 1/

NAME	MS1	MEAN
MSB-10	73.3	73.3
TIFWAY II	55.0	55.0
TIFWAY	47.0	47.0
VAMONT	43.0	43.0
TIFGREEN	37.7	37.7
NM 471	36.7	36.7
MSB-20	35.3	35.3
TEXTURF 10	35.3	35.3
MSB-30	33.0	33.0
NM 43	31.3	31.3
NM 507	31.3	31.3
A-29	29.3	29.3
CT-23	29.3	29.3
NM 72	29.0	29.0
A-22	26.0	26.0
FB-119	23.0	23.0
TUFCOTE	21.3	21.3
MIDIRON	19.3	19.3
RS-1	18.3	18.3
NM 375	17.0	17.0
E-29	13.7	13.7
LSD VALUE	25.3	25.3

TABLE 19B.
 SOD STRENGTH RATINGS OF SEEDED BERMUDAGRASS CULTIVARS
 1987 DATA

SOD STRENGTH MEASURED IN KILOGRAMS OF TENSION 1/

NAME	MS1	MEAN
NMS 14	32.7	32.7
NMS 2	29.7	29.7
NMS 3	27.7	27.7
NMS 4	25.3	25.3
GUYMON	18.7	18.7
NMS 1 (NUMEX-SAHARA)	18.3	18.3
AZ. COMMON	17.0	17.0
LSD VALUE	11.9	11.9

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).