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 United States Golf Association (USGA) Green Section, one member from the Golf Course Superintendents Assoc. of America (GCSAA), one member for the Turfgrass Producers International (TPI), one member from the Turfgrass Breeders Association and an executive director. 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.

Executive Director - Kevin N. Morris, National Turfgrass Federation, Inc.

CURRENT POLICY COMMITTEE MEMBERS:

Dr. Leah Brilman, Seed Research of Oregon
Ms. Chris McDowell, Pickseed West, Inc.
Dr. Michael Kenna, USGA Green Section
Dr. David Williams, University of Kentucky
Dr. Gwen Stahnke, Washington State University
Mr. Ike Thomas, Turfgrass America, Inc.
Dr. Clark Throssell, Golf Course Superintendents Assoc. of America
Dr. Thomas Voigt, University of Illinois

FOR ADDITIONAL REPORTS OR INFORMATION CONTACT:

Kevin Morris, Executive Director
National Turfgrass Evaluation Program
Beltsville Agricultural Research Center-West
Building 003, Room 218
Beltsville, Maryland 20705
kmorris@ntep.org
www.ntep.org

CONTENTS

2002 National Buffalograss Test - 2002-03 data

CONTENTS (continued)

CONTENTS (continued)

A Guide to NTEP Turfgrass Ratings

Introduction

The quality and scientific merit of NTEP data is extremely important. However, the evaluation of turfgrass species and cultivars is a difficult and complex issue. Furthermore, turfgrass evaluation is generally a subjective process based on visual estimates of factors, like genetic color, stand density, leaf texture, uniformity and quality. These factors can not be measured in the same way as other agricultural crops. Turfgrass quality is not a measure of yield or nutritive value. Turfgrass quality is a measure of aesthetics (i.e. density, uniformity, texture, smoothness, growth habit and color), and functional use. The most common way of assessing turfgrass quality is a visual rating system that is based on the turfgrass evaluator's judgement.

General Considerations

Most visual ratings collected on NTEP trials are based on a 1 to 9 rating scale. One is the poorest or lowest and 9 is the best or highest rating. However, a few characteristics, such as winter kill or percent living ground cover, are rated on a percentage basis, again by using the evaluator's judgement. Most disease ratings found in NTEP reports will use the 1-9 scale, 9=no disease except where the evaluator made a judgement of the percentage of disease in each plot. Percent disease data will be found in separate tables and will normally not be included with disease data using the 1-9 scale.

Turfgrass Quality

Turfgrass Quality is based on 9 being outstanding or ideal turf and 1 being poorest or dead. A rating of 6 or above is generally considered acceptable. A quality rating value of 9 is reserved for a perfect or ideal grass, but it also can reflect an absolutely outstanding treatment plot. The NTEP requires quality ratings on a monthly basis. Quality ratings take into account the aesthetic and functional aspects of the turf. Quality ratings are not based on color alone, but on a combination of color, density, uniformity, texture, and disease or environmental stress.

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 2001 data, data from each location will be posted separately as well on the NTEP web site, *http://www.ntep.org*). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at *http://www.ntep.org/pdf/grandmean.mem.pdf.*

Other Ratings

More detailed information on the ratings of specific characteristics can be found on the NTEP web site at *http://www.ntep.org/reports/ratings.htm.*

2002 NATIONAL BUFFALOGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2002-03

State	Location	Code
Arizona	Tucson	AZ1
Kansas	Manhattan	KS1
Nebraska	Mead	NE1
New Mexico	Las Cruces	NM1
Oklahoma	Stillwater	OK1
Texas	Dallas	TX1
Utah	Logan	UT1

2002 National Buffalograss Test

Entries and Sponsors

Entry No.	Name	Type	Sponsor
1	Frontier Turfallo	seeded	Frontier Hybrids
2	Texoka	seeded	Standard entry
3	Bison	seeded	Standard entry
4	Bowie	seeded	Native Turf Group
5	SWI-2000	seeded	Seeds West, Inc.
6	609	vegetative	Standard entry
7	378	vegetative	Standard entry
8	Legacy	vegetative	Todd Valley Farms, Inc.
9	Density	vegetative	Bladerunner Farms
10	NE 95-55	vegetative	University of Nebraska

TABLE A. 2003 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2002 NATIONAL BUFFALOGRASS 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	SANDY LOAM	7.6-8.5	0-60	501+	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
NE1	SILTY CLAY LOAM	7.1-7.5	0-60	0-150	3.1-4.0	FULL SUN	2.6-3.0	NO IRRIGATION
NM1	SANDY LOAM	7.6-8.5	61-150	241-375	5.1-6.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
OK1	SANDY LOAM	7.1-7.5	61-150	241-375	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
TX1	SILTY CLAY AND CLAY	7.6-8.5	151-270	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
UT1	SILT LOAM AND SILT	7.6-8.5	61-150	241-375	2.1-3.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS

TABLE B. LOCATIONS AND DATA COLLECTED IN 2003

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
AZ1					X	X	X	X	X	X			X	X	X
KS1					X	X	X	X	X	X			X	X	X
NE1						X	X	X	X	X			X		
NM1			X	X	X	X	X	X	X	X	X		X	X	X
OK1				X	X	X	X	X	X	X			X	X	X
TX1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UT1					X	X	X	X	X				X	X	X

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2003

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	SEED HEAD RATINGS	MOWING QUALITY	DORMANCY COLOR
AZ1	X	X	X	X	X		X	X			X		
KS1								X					X
NE1		X	X										
NM1				X	X	X			X				
OK1		X		X	X	X			X				X
TX1	X	X	X	X	X		X		X	X			
UT1		X		X	X	X	X	X	X			X	X

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2003

LOCATION	COLOR MARCH	COLOR APRIL	COLOR MAY	COLOR JUNE	COLOR JULY	COLOR AUGUST	COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	COLOR DECEMBER	PERCENT ESTABLISHMENT RATINGS AUGUST	SEPTEMBER	OCTOBER
AZ1													
KS1			X	X	X	X	X	X			X	X	X
NE1													
NM1	X	X	X	X	X	X	X	X	X				
OK1			X	X	X	X	X	X				X	X
TX1													
UT1													

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHWEST REGION
2003 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	NM1	MEAN
* FRONTIER TURFALLO	6.7	5.4	6.0
* DENSITY	6.4	5.1	5.8
* BISON	6.5	4.4	5.5
SWI-2000	6.1	4.9	5.5
* BOWIE	6.1	4.7	5.4
* LEGACY	5.7	4.6	5.2
* 609	5.7	4.4	5.0
* 378	6.3	3.7	5.0
NE 95-55	6.0	3.7	4.9
* TEXOKA	4.9	4.4	4.7
LSD VALUE	1.9	0.6	1.0
C.V. (%)	19.7	8.4	16.7

TABLE 1B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHWEST REGION
2003 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	NM1	MEAN
FRONTIER TURFALLO	6.7	5.4	6.0
BISON	6.5	4.4	5.5
SWI-2000	6.1	4.9	5.5
BOWIE	6.1	4.7	5.4
TEXOKA	4.9	4.4	4.7
LSD VALUE	1.9	0.4	1.0
C.V. (%)	19.5	5.8	15.9

TABLE 1C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHWEST REGION
2003 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	NM1	MEAN
DENSITY	6.4	5.1	5.8
LEGACY	5.7	4.6	5.2
609	5.7	4.4	5.0
378	6.3	3.7	5.0
NE 95-55	6.0	3.7	4.9
LSD VALUE	1.9	0.7	1.0
C.V. (%)	19.9	10.8	17.6

*** COMMERCIALLY AVAILABLE IN THE USA IN 2004.**

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2A. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHERN REGION
2003 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	NE1	UT1	MEAN
LEGACY	5.8	7.9	3.7	5.8
SWI-2000	6.4	6.7	4.2	5.8
BOWIE	5.3	7.0	4.2	5.5
378	5.0	7.3	3.5	5.2
BISON	4.9	5.5	4.5	5.0
NE 95-55	4.7	6.3	3.1	4.7
TEXOKA	5.2	5.3	1.7	4.1
FRONTIER TURFALLO	4.4	2.5	3.9	3.6
DENSITY	5.1	1.5	3.9	3.5
609	3.2	3.3	2.9	3.1
LSD VALUE	0.7	1.0	0.7	0.5
C.V. (%)	9.1	11.4	11.6	10.8

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHERN REGION
2003 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	NE1	UT1	MEAN
SWI-2000	6.4	6.7	4.2	5.8
BOWIE	5.3	7.0	4.2	5.5
BISON	4.9	5.5	4.5	5.0
TEXOKA	5.2	5.3	1.7	4.1
FRONTIER TURFALLO	4.4	2.5	3.9	3.6
LSD VALUE	0.9	0.7	0.7	0.4
C.V. (%)	10.3	8.3	11.3	9.9

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHERN REGION
2003 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	NE1	UT1	MEAN
LEGACY	5.8	7.9	3.7	5.8
378	5.0	7.3	3.5	5.2
NE 95-55	4.7	6.3	3.1	4.7
DENSITY	5.1	1.5	3.9	3.5
609	3.2	3.3	2.9	3.1
LSD VALUE	0.6	1.2	0.7	0.5
C.V. (%)	7.3	14.0	11.9	11.7

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).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3A. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE CENTRAL REGION
2003 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	OK1	TX1	MEAN
DENSITY	6.9	5.6	6.2
FRONTIER TURFALLO	6.5	5.1	5.8
LEGACY	6.0	5.5	5.7
SWI-2000	6.0	5.3	5.7
609	6.7	4.6	5.6
BOWIE	6.0	5.2	5.6
NE 95-55	6.0	5.0	5.5
378	6.3	4.6	5.5
BISON	5.7	4.9	5.3
TEXOKA	5.7	4.6	5.2
LSD VALUE	0.3	0.4	0.2
C.V. (%)	2.6	4.9	3.7

TABLE 3B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE CENTRAL REGION
2003 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	OK1	TX1	MEAN
FRONTIER TURFALLO	6.5	5.1	5.8
SWI-2000	6.0	5.3	5.7
BOWIE	6.0	5.2	5.6
BISON	5.7	4.9	5.3
TEXOKA	5.7	4.6	5.2
LSD VALUE	0.3	0.3	0.2
C.V. (%)	2.9	4.3	3.6

TABLE 3C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE CENTRAL REGION
2003 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	OK1	TX1	MEAN
DENSITY	6.9	5.6	6.2
LEGACY	6.0	5.5	5.7
609	6.7	4.6	5.6
NE 95-55	6.0	5.0	5.5
378	6.3	4.6	5.5
LSD VALUE	0.2	0.4	0.2
C.V. (%)	2.4	5.3	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).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4A. GENETIC COLOR RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/

NAME	AZ1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
NE 95-55	7.3	6.0	9.0	8.3	6.3	8.0	6.3	7.3
LEGACY	7.0	7.0	8.3	7.3	6.3	8.0	5.3	7.0
378	6.7	6.3	7.3	8.0	7.0	7.7	6.0	7.0
BISON	7.3	6.0	7.7	8.3	6.0	7.3	6.0	7.0
609	6.3	5.0	8.3	7.7	6.3	8.0	5.7	6.8
TEXOKA	6.3	5.7	7.0	8.0	7.0	7.0	5.7	6.7
SWI-2000	5.7	5.7	7.0	8.0	7.0	7.0	5.0	6.5
BOWIE	6.0	5.3	7.3	8.0	7.0	6.7	5.0	6.5
FRONTIER TURFALLO	5.3	4.7	5.3	6.3	7.0	6.0	4.0	5.5
DENSITY	4.7	4.0	5.0	7.3	6.3	6.3	4.0	5.4
LSD VALUE	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.3
C.V. (%)	8.2	7.3	6.2	5.8	5.5	5.1	6.9	6.4

TABLE 4B. GENETIC COLOR RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/

NAME	AZ1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
BISON	7.3	6.0	7.7	8.3	6	7.3	6.0	7.0
TEXOKA	6.3	5.7	7.0	8.0	7	7.0	5.7	6.7
SWI-2000	5.7	5.7	7.0	8.0	7	7.0	5.0	6.5
BOWIE	6.0	5.3	7.3	8.0	7	6.7	5.0	6.5
FRONTIER TURFALLO	5.3	4.7	5.3	6.3	7	6.0	4.0	5.5
LSD VALUE	0.8	0.8	0.7	0.6	0	0.6	0.4	0.2
C.V. (%)	8.4	9.4	6.5	4.7	0	5.4	5.0	6.1

TABLE 4C. GENETIC COLOR RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/

NAME	AZ1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
NE 95-55	7.3	6.0	9.0	8.3	6.3	8.0	6.3	7.3
LEGACY	7.0	7.0	8.3	7.3	6.3	8.0	5.3	7.0
378	6.7	6.3	7.3	8.0	7.0	7.7	6.0	7.0
609	6.3	5.0	8.3	7.7	6.3	8.0	5.7	6.8
DENSITY	4.7	4.0	5.0	7.3	6.3	6.3	4.0	5.4
LSD VALUE	0.8	0.4	0.7	0.8	0.8	0.6	0.7	0.3
C.V. (%)	8.1	4.6	5.9	6.7	8.0	4.8	8.2	6.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5A. SPRING GREENUP RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

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

NAME	AZ1	KS1	NM1	OK1	TX1	UT1	MEAN
LEGACY	6.0	7.3	5.0	4.7	7.0	6.3	6.1
BISON	6.0	6.3	6.0	3.3	8.0	5.7	5.9
378	5.7	7.3	3.7	5.0	6.3	6.0	5.7
BOWIE	4.7	6.0	6.0	3.0	7.7	6.7	5.7
NE 95-55	6.0	6.3	4.7	4.0	7.3	5.7	5.7
SWI-2000	4.3	6.3	6.0	3.0	7.7	6.0	5.6
TEXOKA	5.0	5.7	6.0	4.0	6.7	5.3	5.4
FRONTIER TURFALLO	4.7	5.3	6.0	2.7	6.7	5.0	5.1
DENSITY	3.3	4.7	4.7	3.7	6.7	4.3	4.6
609	5.0	5.0	2.7	3.0	5.7	5.7	4.5
LSD VALUE	1.0	1.0	1.3	0.9	1.1	1.3	0.4
C.V. (%)	12.0	10.0	15.7	15.9	9.8	14.0	12.6

TABLE 5B. SPRING GREENUP RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

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

NAME	AZ1	KS1	NM1	OK1	TX1	UT1	MEAN
BISON	6.0	6.3	6	3.3	8.0	5.7	5.9
BOWIE	4.7	6.0	6	3.0	7.7	6.7	5.7
SWI-2000	4.3	6.3	6	3.0	7.7	6.0	5.6
TEXOKA	5.0	5.7	6	4.0	6.7	5.3	5.4
FRONTIER TURFALLO	4.7	5.3	6	2.7	6.7	5.0	5.1
LSD VALUE	1.0	0.8	0	1.2	0.8	1.0	0.4
C.V. (%)	12.8	8.7	0	22.8	7.0	11.0	10.1

TABLE 5C. SPRING GREENUP RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

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

NAME	AZ1	KS1	NM1	OK1	TX1	UT1	MEAN
LEGACY	6.0	7.3	5.0	4.7	7.0	6.3	6.1
378	5.7	7.3	3.7	5.0	6.3	6.0	5.7
NE 95-55	6.0	6.3	4.7	4.0	7.3	5.7	5.7
DENSITY	3.3	4.7	4.7	3.7	6.7	4.3	4.6
609	5.0	5.0	2.7	3.0	5.7	5.7	4.5
LSD VALUE	0.9	1.1	1.8	0.6	1.3	1.5	0.5
C.V. (%)	11.1	11.1	27.2	9.0	12.4	16.6	14.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6A. LEAF TEXTURE RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	AZ1	KS1	NM1	OK1	TX1	UT1	MEAN
DENSITY	6.7	8.0	7.0	8.0	8.0	5.7	7.2
378	7.7	8.0	6.3	7.0	7.0	6.0	7.0
609	6.7	8.0	7.0	7.0	7.0	6.0	6.9
LEGACY	7.0	8.3	7.3	5.0	7.0	6.0	6.8
FRONTIER TURFALLO	6.0	8.0	7.7	6.0	7.0	5.0	6.6
SWI-2000	6.0	8.0	7.0	6.0	7.0	5.3	6.6
NE 95-55	5.7	8.0	6.3	5.0	7.0	6.0	6.3
BOWIE	5.7	8.0	6.0	5.7	7.0	5.3	6.3
BISON	6.0	8.0	6.0	5.3	6.7	5.3	6.2
TEXOKA	5.3	8.0	6.3	5.0	7.0	5.0	6.1
LSD VALUE	1.2	0.3	0.8	0.4	0.3	0.8	0.3
C.V. (%)	12.4	2.3	7.7	4.3	2.6	8.7	6.9

TABLE 6B. LEAF TEXTURE RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	AZ1	KS1	NM1	OK1	TX1	UT1	MEAN
FRONTIER TURFALLO	6.0	8	7.7	6.0	7.0	5.0	6.6
SWI-2000	6.0	8	7.0	6.0	7.0	5.3	6.6
BOWIE	5.7	8	6.0	5.7	7.0	5.3	6.3
BISON	6.0	8	6.0	5.3	6.7	5.3	6.2
TEXOKA	5.3	8	6.3	5.0	7.0	5.0	6.1
LSD VALUE	1.4	0	0.6	0.6	0.4	0.7	0.3
C.V. (%)	14.8	0	5.5	6.5	3.7	8.6	7.2

TABLE 6C. LEAF TEXTURE RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	AZ1	KS1	NM1	OK1	TX1	UT1	MEAN
DENSITY	6.7	8.0	7.0	8	8	5.7	7.2
378	7.7	8.0	6.3	7	7	6.0	7.0
609	6.7	8.0	7.0	7	7	6.0	6.9
LEGACY	7.0	8.3	7.3	5	7	6.0	6.8
NE 95-55	5.7	8.0	6.3	5	7	6.0	6.3
LSD VALUE	1.1	0.4	1.0	0	0	0.8	0.3
C.V. (%)	10.1	3.2	9.3	0	0	8.7	6.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 7A. SPRING DENSITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	TX1	MEAN
LEGACY	6.7	6.3	6.5
FRONTIER TURFALLO	6.3	6.0	6.2
SWI-2000	5.3	7.0	6.2
BOWIE	5.3	6.7	6.0
DENSITY	6.0	6.0	6.0
BISON	5.0	6.3	5.7
NE 95-55	5.3	6.0	5.7
609	5.7	4.7	5.2
378	6.0	3.7	4.8
TEXOKA	5.0	4.3	4.7
LSD VALUE	1.6	1.3	1.0
C.V. (%)	17.6	14.7	16.2

TABLE 7B. SPRING DENSITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	TX1	MEAN
FRONTIER TURFALLO	6.3	6.0	6.2
SWI-2000	5.3	7.0	6.2
BOWIE	5.3	6.7	6.0
BISON	5.0	6.3	5.7
TEXOKA	5.0	4.3	4.7
LSD VALUE	1.2	1.0	0.8
C.V. (%)	14.3	10.4	12.3

TABLE 7C. SPRING DENSITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	TX1	MEAN
LEGACY	6.7	6.3	6.5
DENSITY	6.0	6.0	6.0
NE 95-55	5.3	6.0	5.7
609	5.7	4.7	5.2
378	6.0	3.7	4.8
LSD VALUE	1.9	1.6	1.2
C.V. (%)	19.9	18.8	19.4

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8A. SUMMER DENSITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	NE1	OK1	TX1	UT1	MEAN
378	7.3	8.3	7.7	7.7	4.0	7.0
LEGACY	7.0	9.0	7.3	7.0	3.7	6.8
BOWIE	6.0	9.0	5.7	7.3	5.3	6.7
SWI-2000	5.7	9.0	5.7	7.0	5.3	6.5
DENSITY	7.7	1.7	9.0	7.0	6.0	6.3
NE 95-55	6.3	7.7	5.3	7.3	2.7	5.9
BISON	5.3	8.3	3.7	7.0	4.7	5.8
609	6.7	4.3	7.7	7.0	2.7	5.7
FRONTIER TURFALLO	7.0	4.0	5.0	7.0	4.3	5.5
TEXOKA	5.0	7.7	3.7	7.0	1.0	4.9
LSD VALUE	1.1	1.3	0.8	0.5	1.5	0.5
C.V. (%)	11.0	12.1	8.5	4.4	23.0	11.4

TABLE 8B. SUMMER DENSITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	NE1	OK1	TX1	UT1	MEAN
BOWIE	6.0	9.0	5.7	7.3	5.3	6.7
SWI-2000	5.7	9.0	5.7	7.0	5.3	6.5
BISON	5.3	8.3	3.7	7.0	4.7	5.8
FRONTIER TURFALLO	7.0	4.0	5.0	7.0	4.3	5.5
TEXOKA	5.0	7.7	3.7	7.0	1.0	4.9
LSD VALUE	0.6	0.9	0.8	0.4	1.3	0.4
C.V. (%)	6.3	7.6	10.9	3.7	19.8	9.2

TABLE 8C. SUMMER DENSITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	NE1	OK1	TX1	UT1	MEAN
378	7.3	8.3	7.7	7.7	4.0	7.0
LEGACY	7.0	9.0	7.3	7.0	3.7	6.8
DENSITY	7.7	1.7	9.0	7.0	6.0	6.3
NE 95-55	6.3	7.7	5.3	7.3	2.7	5.9
609	6.7	4.3	7.7	7.0	2.7	5.7
LSD VALUE	1.5	1.7	0.8	0.6	1.6	0.6
C.V. (%)	13.3	16.7	7.0	5.1	26.3	12.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9A. FALL DENSITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	NE1	TX1	MEAN
LEGACY	7.0	8.0	7.3	7.4
NE 95-55	6.3	7.7	8.0	7.3
378	7.3	6.7	7.7	7.2
BOWIE	6.3	7.7	7.0	7.0
SWI-2000	6.3	7.3	7.3	7.0
BISON	6.0	7.3	7.0	6.8
TEXOKA	6.0	6.3	7.7	6.7
609	6.3	4.0	7.0	5.8
FRONTIER TURFALLO	6.0	3.7	7.0	5.6
DENSITY	7.0	1.0	7.7	5.2
LSD VALUE	1.9	1.1	0.7	0.8
C.V. (%)	18.7	11.0	5.5	12.6

TABLE 9B. FALL DENSITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	NE1	TX1	MEAN
BOWIE	6.3	7.7	7.0	7.0
SWI-2000	6.3	7.3	7.3	7.0
BISON	6.0	7.3	7.0	6.8
TEXOKA	6.0	6.3	7.7	6.7
FRONTIER TURFALLO	6.0	3.7	7.0	5.6
LSD VALUE	1.6	1.2	0.6	0.7
C.V. (%)	15.8	11.3	5.1	11.1

TABLE 9C. FALL DENSITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	NE1	TX1	MEAN
LEGACY	7.0	8.0	7.3	7.4
NE 95-55	6.3	7.7	8.0	7.3
378	7.3	6.7	7.7	7.2
609	6.3	4.0	7.0	5.8
DENSITY	7.0	1.0	7.7	5.2
LSD VALUE	2.3	0.9	0.7	0.9
C.V. (%)	20.8	10.6	5.9	13.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 10A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	NM1	OK1	TX1	UT1	MEAN
SWI-2000	80.0	39.3	97.7	76.7	46.7	68.1
DENSITY	83.3	28.3	98.0	83.3	46.7	67.9
FRONTIER TURFALLO	86.7	31.7	98.0	73.3	50.0	67.9
BOWIE	78.3	38.3	97.7	70.0	43.3	65.5
LEGACY	86.7	23.3	97.3	73.3	36.7	63.5
BISON	73.3	36.7	97.3	66.7	36.7	62.1
609	85.0	11.7	97.3	50.0	30.0	54.8
NE 95-55	66.7	20.0	96.7	46.7	30.0	52.0
378	85.0	11.7	97.7	30.0	30.0	50.9
TEXOKA	71.7	26.7	97.0	16.7	10.0	44.4
LSD VALUE	14.5	7.7	0.9	17.1	8.3	5.0
C.V. (%)	11.3	17.8	0.6	18.1	14.3	11.7

TABLE 10B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	NM1	OK1	TX1	UT1	MEAN
SWI-2000	80.0	39.3	97.7	76.7	46.7	68.1
FRONTIER TURFALLO	86.7	31.7	98.0	73.3	50.0	67.9
BOWIE	78.3	38.3	97.7	70.0	43.3	65.5
BISON	73.3	36.7	97.3	66.7	36.7	62.1
TEXOKA	71.7	26.7	97.0	16.7	10.0	44.4
LSD VALUE	16.2	9.4	0.7	18.1	10.2	5.6
C.V. (%)	12.9	16.9	0.5	18.6	16.9	12.6

TABLE 10C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	NM1	OK1	TX1	UT1	MEAN
DENSITY	83.3	28.3	98.0	83.3	46.7	67.9
LEGACY	86.7	23.3	97.3	73.3	36.7	63.5
609	85.0	11.7	97.3	50.0	30.0	54.8
NE 95-55	66.7	20.0	96.7	46.7	30.0	52.0
378	85.0	11.7	97.7	30.0	30.0	50.9
LSD VALUE	12.5	5.5	1.1	16.1	5.9	4.4
C.V. (%)	9.5	18.0	0.7	17.6	10.5	10.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 11A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	NM1	OK1	TX1	UT1	MEAN
LEGACY	80.0	65.0	88.3	99.0	76.7	81.8
FRONTIER TURFALLO	88.0	56.7	86.7	99.0	76.7	81.4
BISON	96.3	46.7	78.3	99.0	73.3	78.7
378	80.0	55.0	88.3	89.7	73.3	77.3
SWI-2000	88.0	28.3	85.0	99.0	80.0	76.1
DENSITY	96.0	46.7	95.0	99.0	30.0	73.3
BOWIE	89.7	0.0	86.7	99.0	80.0	71.1
NE 95-55	73.3	40.0	81.7	96.0	50.0	68.2
609	76.7	13.3	88.3	96.0	43.3	63.5
TEXOKA	73.3	20.0	83.3	96.0	30.0	60.5
LSD VALUE	22.6	55.2	5.5	6.7	28.6	13.3
C.V. (%)	16.7	92.3	4.0	4.3	29.0	25.3

TABLE 11B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	NM1	OK1	TX1	UT1	MEAN
FRONTIER TURFALLO	88.0	56.7	86.7	99.0	76.7	81.4
BISON	96.3	46.7	78.3	99.0	73.3	78.7
SWI-2000	88.0	28.3	85.0	99.0	80.0	76.1
BOWIE	89.7	0.0	86.7	99.0	80.0	71.1
TEXOKA	73.3	20.0	83.3	96.0	30.0	60.5
LSD VALUE	20.3	63.8	6.6	3.7	19.9	14.1
C.V. (%)	14.5	130.8	4.9	2.4	18.2	26.6

TABLE 11C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	NM1	OK1	TX1	UT1	MEAN
LEGACY	80.0	65.0	88.3	99.0	76.7	81.8
378	80.0	55.0	88.3	89.7	73.3	77.3
DENSITY	96.0	46.7	95.0	99.0	30.0	73.3
NE 95-55	73.3	40.0	81.7	96.0	50.0	68.2
609	76.7	13.3	88.3	96.0	43.3	63.5
LSD VALUE	24.6	44.9	4.2	8.6	35.2	12.6
C.V. (%)	18.8	63.4	2.9	5.6	40.1	24.0

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 12A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NM1	OK1	UT1	MEAN
BISON	91.7	85.0	86.7	87.8
378	64.7	90.0	73.3	76.0
DENSITY	33.0	97.3	96.0	75.4
609	63.3	90.0	63.3	72.2
FRONTIER TURFALLO	33.0	97.0	80.0	70.0
BOWIE	31.7	90.7	83.3	68.6
LEGACY	0.0	85.0	93.0	59.3
SWI-2000	0.0	90.0	86.7	58.9
NE 95-55	28.3	81.7	60.0	56.7
TEXOKA	31.7	88.3	40.0	53.3
LSD VALUE	73.9	9.3	15.4	25.4
C.V. (%)	121.8	6.5	12.6	40.3

TABLE 12B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NM1	OK1	UT1	MEAN
BISON	91.7	85.0	86.7	87.8
FRONTIER TURFALLO	33.0	97.0	80.0	70.0
BOWIE	31.7	90.7	83.3	68.6
SWI-2000	0.0	90.0	86.7	58.9
TEXOKA	31.7	88.3	40.0	53.3
LSD VALUE	69.3	10.7	10.2	23.6
C.V. (%)	114.7	7.4	8.4	37.6

TABLE 12C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NM1	OK1	UT1	MEAN
378	64.7	90.0	73.3	76.0
DENSITY	33.0	97.3	96.0	75.4
609	63.3	90.0	63.3	72.2
LEGACY	0.0	85.0	93.0	59.3
NE 95-55	28.3	81.7	60.0	56.7
LSD VALUE	78.2	7.6	19.3	27.0
C.V. (%)	128.4	5.3	15.6	42.8

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 13A. FALL COLOR (SEPTEMBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

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

NAME	AZ1	TX1	UT1	MEAN
NE 95-55	7.0	7.3	5.3	6.6
609	6.3	6.3	6.7	6.4
BISON	7.0	7.0	5.0	6.3
DENSITY	4.0	6.7	7.7	6.1
FRONTIER TURFALLO	4.0	7.0	6.7	5.9
378	6.3	7.3	4.0	5.9
TEXOKA	4.3	7.0	6.0	5.8
BOWIE	6.3	6.7	4.0	5.7
LEGACY	5.0	7.7	4.0	5.6
SWI-2000	4.7	6.7	5.0	5.4
LSD VALUE	1.3	0.9	1.3	0.7
C.V. (%)	14.8	8.3	14.6	12.4

TABLE 13B. FALL COLOR (SEPTEMBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

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

NAME	AZ1	TX1	UT1	MEAN
BISON	7.0	7.0	5.0	6.3
FRONTIER TURFALLO	4.0	7.0	6.7	5.9
TEXOKA	4.3	7.0	6.0	5.8
BOWIE	6.3	6.7	4.0	5.7
SWI-2000	4.7	6.7	5.0	5.4
LSD VALUE	1.0	0.6	1.5	0.6
C.V. (%)	12.0	5.3	17.5	11.7

TABLE 13C. FALL COLOR (SEPTEMBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

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

NAME	AZ1	TX1	UT1	MEAN
NE 95-55	7.0	7.3	5.3	6.6
609	6.3	6.3	6.7	6.4
DENSITY	4.0	6.7	7.7	6.1
378	6.3	7.3	4.0	5.9
LEGACY	5.0	7.7	4.0	5.6
LSD VALUE	1.6	1.2	1.0	0.7
C.V. (%)	16.9	10.3	11.4	12.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 14A. FALL COLOR (OCTOBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

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

NAME	AZ1	KS1	UT1	MEAN
DENSITY	3.0	6.0	6.3	5.1
609	4.3	5.0	5.7	5.0
FRONTIER TURFALLO	3.0	5.7	6.0	4.9
BISON	5.0	4.3	4.0	4.4
TEXOKA	3.0	4.3	4.7	4.0
NE 95-55	5.0	2.7	4.0	3.9
BOWIE	4.3	3.3	2.3	3.3
SWI-2000	3.0	4.0	3.0	3.3
LEGACY	3.7	3.0	3.0	3.2
378	4.3	2.0	2.3	2.9
LSD VALUE	0.8	0.8	1.5	0.6
C.V. (%)	12.5	12.8	22.5	16.8

TABLE 14B. FALL COLOR (OCTOBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

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

NAME	AZ1	KS1	UT1	MEAN
FRONTIER TURFALLO	3.0	5.7	6.0	4.9
BISON	5.0	4.3	4.0	4.4
TEXOKA	3.0	4.3	4.7	4.0
BOWIE	4.3	3.3	2.3	3.3
SWI-2000	3.0	4.0	3.0	3.3
LSD VALUE	0.4	1.1	0.9	0.5
C.V. (%)	7.0	15.8	14.4	13.4

TABLE 14C. FALL COLOR (OCTOBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

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

NAME	AZ1	KS1	UT1	MEAN
DENSITY	3.0	6.0	6.3	5.1
609	4.3	5.0	5.7	5.0
NE 95-55	5.0	2.7	4.0	3.9
LEGACY	3.7	3.0	3.0	3.2
378	4.3	2.0	2.3	2.9
LSD VALUE	1.0	0.4	1.9	0.7
C.V. (%)	15.6	6.9	27.7	19.6

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 15A. FALL COLOR (NOVEMBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

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

NAME	NM1	OK1	TX1	UT1	MEAN
DENSITY	7.0	5.7	6.7	6.7	6.5
FRONTIER TURFALLO	6.3	3.3	7.0	6.3	5.8
609	6.3	4.3	5.3	6.3	5.6
TEXOKA	5.0	2.7	6.3	3.7	4.4
LEGACY	6.0	2.3	5.0	2.3	3.9
BISON	3.7	2.7	5.7	3.0	3.8
SWI-2000	3.7	2.0	5.0	2.0	3.2
BOWIE	2.3	2.0	4.7	2.0	2.8
NE 95-55	2.3	1.7	4.7	1.7	2.6
378	2.3	1.0	4.0	1.0	2.1
LSD VALUE	1.1	0.9	1.2	1.2	0.6
C.V. (%)	14.6	20.9	14.3	22.1	17.3

TABLE 15B. FALL COLOR (NOVEMBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

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

NAME	NM1	OK1	TX1	UT1	MEAN
FRONTIER TURFALLO	6.3	3.3	7.0	6.3	5.8
TEXOKA	5.0	2.7	6.3	3.7	4.4
BISON	3.7	2.7	5.7	3.0	3.8
SWI-2000	3.7	2.0	5.0	2.0	3.2
BOWIE	2.3	2.0	4.7	2.0	2.8
LSD VALUE	0.8	0.7	1.2	0.9	0.5
C.V. (%)	12.3	17.7	13.5	17.0	14.9

TABLE 15C. FALL COLOR (NOVEMBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

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

NAME	NM1	OK1	TX1	UT1	MEAN
DENSITY	7.0	5.7	6.7	6.7	6.5
609	6.3	4.3	5.3	6.3	5.6
LEGACY	6.0	2.3	5.0	2.3	3.9
NE 95-55	2.3	1.7	4.7	1.7	2.6
378	2.3	1.0	4.0	1.0	2.1
LSD VALUE	1.2	1.1	1.2	1.5	0.6
C.V. (%)	16.1	22.8	15.1	25.9	19.3

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

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 16A. FALL COLOR (DECEMBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

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

NAME	TX1
DENSITY	4.7
FRONTIER TURFALLO	4.7
BISON	3.0
TEXOKA	3.0
609	2.3
BOWIE	2.3
LEGACY	2.3
NE 95-55	2.3
SWI-2000	2.3
378	2.0
LSD VALUE	0.9
C.V. (%)	19.9

TABLE 16B. FALL COLOR (DECEMBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

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

NAME	TX1
FRONTIER TURFALLO	4.7
BISON	3.0
TEXOKA	3.0
BOWIE	2.3
SWI-2000	2.3
LSD VALUE	1.0
C.V. (%)	20.6

TABLE 16C. FALL COLOR (DECEMBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

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

NAME	TX1
DENSITY	4.7
609	2.3
LEGACY	2.3
NE 95-55	2.3
378	2.0
LSD VALUE	0.8
C.V. (%)	18.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 17A. SEEDHEAD RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	AZ1
378	9.0
609	9.0
LEGACY	8.7
NE 95-55	8.7
BOWIE	8.0
TEXOKA	8.0
BISON	7.7
DENSITY	7.3
SWI-2000	7.0
FRONTIER TURFALLO	6.0
LSD VALUE	1.2
C.V. (%)	9.2

TABLE 17B. SEEDHEAD RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	AZ1
BOWIE	8.0
TEXOKA	8.0
BISON	7.7
SWI-2000	7.0
FRONTIER TURFALLO	6.0
LSD VALUE	0.4
C.V. (%)	3.5

TABLE 17C. SEEDHEAD RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	AZ1
378	9.0
609	9.0
LEGACY	8.7
NE 95-55	8.7
DENSITY	7.3
LSD VALUE	1.6
C.V. (%)	11.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 18A. MOWING QUALITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

NAME	UT1
DENSITY	8.7
LEGACY	8.3
378	7.7
FRONTIER TURFALLO	5.0
609	4.7
BISON	3.3
BOWIE	3.3
NE 95-55	3.3
TEXOKA	3.0
SWI-2000	2.7
LSD VALUE	1.6
C.V. (%)	19.7

TABLE 18B. MOWING QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

NAME	UT1
FRONTIER TURFALLO	5.0
BISON	3.3
BOWIE	3.3
TEXOKA	3.0
SWI-2000	2.7
LSD VALUE	1.8
C.V. (%)	31.6

TABLE 18C. MOWING QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

NAME	UT1
DENSITY	8.7
LEGACY	8.3
378	7.7
609	4.7
NE 95-55	3.3
LSD VALUE	1.4
C.V. (%)	13.1

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 19A. DORMANCY COLOR RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

DORMANCY COLOR RATINGS 1-9; 1=BROWN, 9=GOLDEN 2/

NAME	KS1
DENSITY	8.0
FRONTIER TURFALLO	7.0
609	6.3
BOWIE	6.0
378	5.3
SWI-2000	5.3
BISON	5.0
LEGACY	5.0
NE 95-55	5.0
TEXOKA	5.0
LSD VALUE	0.5
C.V. (%)	5.5

TABLE 19B. DORMANCY COLOR RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

DORMANCY COLOR RATINGS 1-9; 1=BROWN, 9=GOLDEN 2/

NAME	KS1
FRONTIER TURFALLO	7.0
BOWIE	6.0
SWI-2000	5.3
BISON	5.0
TEXOKA	5.0
LSD VALUE	0.4
C.V. (%)	4.6

TABLE 19C. DORMANCY COLOR RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

DORMANCY COLOR RATINGS 1-9; 1=BROWN, 9=GOLDEN 2/

NAME	KS1
DENSITY	8.0
609	6.3
378	5.3
LEGACY	5.0
NE 95-55	5.0
LSD VALUE	0.6
C.V. (%)	6.2

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 20A. TURFGRASS COLOR RATINGS OF BUFFALOGRASS CULTIVARS
FOR EACH MONTH 1/
2003 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
LEGACY	5.0	5.7	5.8	6.0	6.4	6.4	7.2	5.8	5.0	6.2
TEXOKA	6.0	6.0	5.4	6.0	6.1	6.4	7.3	5.9	3.0	6.1
378	3.7	4.3	6.0	6.3	6.3	6.1	7.4	5.4	2.0	6.0
SWI-2000	6.0	6.0	5.2	5.7	6.2	6.4	7.1	5.8	2.3	6.0
BISON	6.0	5.7	4.9	5.6	5.8	6.2	7.7	5.7	3.3	5.9
BOWIE	6.0	6.0	5.2	5.4	6.1	6.3	7.1	5.7	2.0	5.9
NE 95-55	4.7	5.7	6.0	5.8	6.0	6.1	7.2	5.4	2.0	5.9
609	2.7	5.0	5.0	4.9	5.7	6.2	7.1	6.3	5.0	5.7
FRONTIER TURFALLO	6.0	6.0	5.1	5.6	5.6	6.2	5.6	5.4	6.3	5.6
DENSITY	4.7	5.7	4.4	5.3	5.6	6.0	6.0	5.9	6.7	5.5
LSD VALUE	1.3	0.9	1.9	1.9	1.3	1.4	0.9	3.5	1.2	1.5
C.V. (%)	15.3	8.3	25.2	21.9	14.8	12.3	13.9	31.2	20.4	14.3

TABLE 20B. TURFGRASS COLOR RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
FOR EACH MONTH 1/
2003 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
TEXOKA	6	6.0	5.4	6.0	6.1	6.4	7.3	5.9	3.0	6.1
SWI-2000	6	6.0	5.2	5.7	6.2	6.4	7.1	5.8	2.3	6.0
BISON	6	5.7	4.9	5.6	5.8	6.2	7.7	5.7	3.3	5.9
BOWIE	6	6.0	5.2	5.4	6.1	6.3	7.1	5.7	2.0	5.9
FRONTIER TURFALLO	6	6.0	5.1	5.6	5.6	6.2	5.6	5.4	6.3	5.6
LSD VALUE	0	0.6	2.2	2.0	1.2	1.1	0.8	2.5	1.1	1.2
C.V. (%)	0	4.4	28.9	24.1	15.4	11.8	13.2	29.3	17.4	14.6

TABLE 20C. TURFGRASS COLOR RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
FOR EACH MONTH 1/
2003 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
LEGACY	5.0	5.7	5.8	6.0	6.4	6.4	7.2	5.8	5.0	6.2
378	3.7	4.3	6.0	6.3	6.3	6.1	7.4	5.4	2.0	6.0
NE 95-55	4.7	5.7	6.0	5.8	6.0	6.1	7.2	5.4	2.0	5.9
609	2.7	5.0	5.0	4.9	5.7	6.2	7.1	6.3	5.0	5.7
DENSITY	4.7	5.7	4.4	5.3	5.6	6.0	6.0	5.9	6.7	5.5
LSD VALUE	2.3	0.6	1.3	1.3	1.0	1.2	1.1	2.8	1.6	1.1
C.V. (%)	25.6	6.5	22.0	19.9	14.3	13.1	14.7	33.5	21.2	14.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 21A. ESTABLISHMENT RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE 2/

NAME	UT1
FRONTIER TURFALLO	5.0
DENSITY	4.7
SWI-2000	4.7
BOWIE	4.3
BISON	3.7
LEGACY	3.7
378	3.0
609	3.0
NE 95-55	3.0
TEXOKA	1.0
LSD VALUE	0.8
C.V. (%)	14.3

TABLE 21B. ESTABLISHMENT RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE 2/

NAME	UT1
FRONTIER TURFALLO	5.0
SWI-2000	4.7
BOWIE	4.3
BISON	3.7
TEXOKA	1.0
LSD VALUE	1.0
C.V. (%)	16.9

TABLE 21C. ESTABLISHMENT RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE 2/

NAME	UT1
DENSITY	4.7
LEGACY	3.7
378	3.0
609	3.0
NE 95-55	3.0
LSD VALUE	0.6
C.V. (%)	10.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 22A. PERCENT ESTABLISHMENT RATINGS OF BUFFALOGRASS CULTIVARS 1/
AT MANHATTAN, KS 2/
2002 DATA

NAME	AUGUST	SEPTEMBER	OCTOBER	MEAN
DENSITY	83.3	94.7	92.7	90.2
SWI-2000	48.3	81.7	94.7	74.9
LEGACY	40.0	85.0	80.0	68.3
FRONTIER TURFALLO	43.3	71.7	83.3	66.1
BISON	30.0	78.3	80.0	62.8
378	26.7	60.0	66.7	51.1
BOWIE	21.7	58.3	66.7	48.9
609	16.7	60.0	53.3	43.3
TEXOKA	8.3	61.7	60.0	43.3
NE 95-55	15.0	60.0	50.0	41.7
LSD VALUE	23.5	30.5	23.8	20.2
C.V. (%)	41.8	20.6	18.0	19.7

TABLE 22B. PERCENT ESTABLISHMENT RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
AT MANHATTAN, KS 2/
2002 DATA

NAME	AUGUST	SEPTEMBER	OCTOBER	MEAN
SWI-2000	48.3	81.7	94.7	74.9
FRONTIER TURFALLO	43.3	71.7	83.3	66.1
BISON	30.0	78.3	80.0	62.8
BOWIE	21.7	58.3	66.7	48.9
TEXOKA	8.3	61.7	60.0	43.3
LSD VALUE	34.7	26.1	15.8	17.0
C.V. (%)	54.3	17.1	10.7	14.7

TABLE 22C. PERCENT ESTABLISHMENT RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
AT MANHATTAN, KS 2/
2002 DATA

NAME	AUGUST	SEPTEMBER	OCTOBER	MEAN
DENSITY	83.3	94.7	92.7	90.2
LEGACY	40.0	85.0	80.0	68.3
378	26.7	60.0	66.7	51.1
609	16.7	60.0	53.3	43.3
NE 95-55	15.0	60.0	50.0	41.7
LSD VALUE	16.8	38.0	33.7	26.2
C.V. (%)	25.7	24.8	23.9	23.0

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 23A. PERCENT ESTABLISHMENT RATINGS OF BUFFALOGRASS CULTIVARS 1/
AT STILLWATER, OK 2/
2002 DATA

NAME	SEPTEMBER	OCTOBER	MEAN
SWI-2000	30.0	96.0	63.0
FRONTIER TURFALLO	30.0	93.3	61.7
DENSITY	15.7	98.0	56.8
609	18.3	94.3	56.3
BOWIE	16.7	96.0	56.3
LEGACY	11.7	96.0	53.8
BISON	13.3	91.7	52.5
NE 95-55	10.0	94.3	52.2
378	6.7	88.3	47.5
TEXOKA	5.0	90.0	47.5
LSD VALUE	10.7	4.6	6.5
C.V. (%)	39.1	2.7	6.9

TABLE 23B. PERCENT ESTABLISHMENT RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
AT STILLWATER, OK 2/
2002 DATA

NAME	SEPTEMBER	OCTOBER	MEAN
SWI-2000	30.0	96.0	63.0
FRONTIER TURFALLO	30.0	93.3	61.7
BOWIE	16.7	96.0	56.3
BISON	13.3	91.7	52.5
TEXOKA	5.0	90.0	47.5
LSD VALUE	14.1	2.9	7.9
C.V. (%)	38.3	1.6	7.3

TABLE 23C. PERCENT ESTABLISHMENT RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
AT STILLWATER, OK 2/
2002 DATA

NAME	SEPTEMBER	OCTOBER	MEAN
DENSITY	15.7	98.0	56.8
609	18.3	94.3	56.3
LEGACY	11.7	96.0	53.8
NE 95-55	10.0	94.3	52.2
378	6.7	88.3	47.5
LSD VALUE	8.2	5.6	4.6
C.V. (%)	32.1	3.0	4.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BUFFALAGRASS CULTIVARS 1/
2003 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

	ALL LOCATIONS		STATISTICS FOR ALL LOCATIONS				
NAME	MEAN 1/	RANK 2/	SUM OF RANKS 3/	RANK 4/	HIGHEST RANK 5/	LOWEST RANK 6/	MAXIMUM IN TOP 25% 7/
378	5.2	4	41	7	2	10	14.3
609	4.4	10	56	9	2	10	14.3
BISON	5.2	5	39	6	1	10	28.6
BOWIE	5.5	3	28	3	3	6	14.3
DENSITY	4.9	8	27	2	1	10	42.9
FRONTIER TURFALLO	4.9	7	32	5	1	9	28.6
LEGACY	5.6	2	32	5	1	9	42.9
NE 95-55	5.0	6	51	8	5	9	0.0
SWI-2000	5.7	1	26	1	1	6	28.6
TEXOKA	4.6	9	57	10	4	10	0.0
LSD VALUE	0.4						
C.V. (%)	11.5						

*/ 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).

**/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

1/ MEAN - AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.
2/ RANK - RANKING OF THE MEAN OF ALL QUALITY RATINGS.
3/ SUM OF RANKS - A SUM OF ALL THE RANKINGS FROM THE VARIOUS LOCATIONS.
4/ RANK - THE RANKING OF THE SUM OF RANKS.
5/ HIGHEST RANK - THE HIGHEST RANKING ACHIEVED BY THAT ENTRY AT ANY ONE LOCATION.
6/ LOWEST RANK - THE LOWEST RANKING ACHIEVED BY THAT ENTRY AT ANY ONE LOCATION.
7/ MAXIMUM IN TOP 25% - THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.