

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.

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CONTENTS

2002 National Buffalograss Test - 2004 data

LOCATIONS SUBMITTING DATA FOR 2004.....1

NATIONAL BUFFALOGRASS TEST, 2002 Entries and Sponsors.....2

Table A - 2004 Locations, Site Descriptions and Management Practices in
the 2002 National Buffalograss Test.....3

Table B - Locations and Data Collected in 2004.....3

Table 1A - Mean Turfgrass Quality Ratings of Buffalograss Cultivars
Grown at Two Locations in the Transition Region.....5

Table 1B - Mean Turfgrass Quality Ratings of Buffalograss (Seeded)
Cultivars Grown at Two Locations in the Transition Region.....5

Table 1C - Mean Turfgrass Quality Ratings of Buffalograss (Vegetative)
Cultivars Grown at Two Locations in the Transition Region.....5

Table 2A - Mean Turfgrass Quality Ratings of Buffalograss Cultivars
For each Month Grown at Dallas, TX.....6

Table 2B - Mean Turfgrass Quality Ratings of Buffalograss (Seeded)
Cultivars For each Month Grown at Dallas, TX.....6

Table 2C - Mean Turfgrass Quality Ratings of Buffalograss (Vegetative)
Cultivars For each Month Grown at Dallas, TX.....6

Table 3A - Mean Turfgrass Quality Ratings of Buffalograss Cultivars
For each Month Grown at Mead, NE.....7

Table 3B - Mean Turfgrass Quality Ratings of Buffalograss (Seeded)
Cultivars For each Month Grown at Mead, NE.....7

Table 3C - Mean Turfgrass Quality Ratings of Buffalograss (Vegetative)
Cultivars For each Month Grown at Mead, NE.....7

Table 4A - Mean Turfgrass Quality Ratings of Buffalograss Cultivars
For each Month Grown at Logan, UT.....8

Table 4B - Mean Turfgrass Quality Ratings of Buffalograss (Seeded)
Cultivars For each Month Grown at Logan, UT.....8

Table 4C - Mean Turfgrass Quality Ratings of Buffalograss (Vegetative)
Cultivars For each Month Grown at Logan, UT.....8

Table 5A - Mean Turfgrass Quality Ratings of Buffalograss Cultivars
Grown at Three Locations in the Southwest Region.....9

Table 5B - Mean Turfgrass Quality Ratings of Buffalograss (Seeded)
Cultivars Grown at Three Locations in the Southwest Region.....9

CONTENTS (continued)

Table 5C - Mean Turfgrass Quality Ratings of Buffalograss (Vegetative) Cultivars Grown at Three Locations in the Southwest Region.....9

Table 6A - Genetic Color Ratings of Buffalograss Cultivars.....10

Table 6B - Genetic Color Ratings of Buffalograss (Seeded) Cultivars.....10

Table 6C - Genetic Color Ratings of Buffalograss (Vegetative) Cultivars.....10

Table 7A - Spring Greenup Ratings of Buffalograss Cultivars.....11

Table 7B - Spring Greenup Ratings of Buffalograss (Seeded) Cultivars.....11

Table 7C - Spring Greenup Ratings of Buffalograss (Vegetative) Cultivars.....11

Table 8A - Leaf Texture Ratings of Buffalograss Cultivars.....12

Table 8B - Leaf Texture Ratings of Buffalograss (Seeded) Cultivars.....12

Table 8C - Leaf Texture Ratings of Buffalograss (Vegetative) Cultivars.....12

Table 9A - Spring Density Ratings of Buffalograss Cultivars.....13

Table 9B - Spring Density Ratings of Buffalograss (Seeded) Cultivars.....13

Table 9C - Spring Density Ratings of Buffalograss (Vegetative) Cultivars.....13

Table 10A- Summer Density Ratings of Buffalograss Cultivars.....14

Table 10B- Summer Density Ratings of Buffalograss (Seeded) Cultivars.....14

Table 10C- Summer Density Ratings of Buffalograss (Vegetative) Cultivars.....14

Table 11A- Fall Density Ratings of Buffalograss Cultivars.....15

Table 11B- Fall Density Ratings of Buffalograss (Seeded) Cultivars.....15

Table 11C- Fall Density Ratings of Buffalograss (Vegetative) Cultivars.....15

Table 12A- Percent Living Ground Cover (Spring) Ratings of Buffalograss Cultivars.....16

Table 12B- Percent Living Ground Cover (Spring) Ratings of Buffalograss (Seeded) Cultivars.....16

Table 12C- Percent Living Ground Cover (Spring) Ratings of Buffalograss (Vegetative) Cultivars.....16

Table 13A- Percent Living Ground Cover (Summer) Ratings of Buffalograss Cultivars.....17

Table 13B- Percent Living Ground Cover (Summer) Ratings of Buffalograss (Seeded) Cultivars.....17

CONTENTS (continued)

Table 13C- Percent Living Ground Cover (Summer) Ratings
of Buffalograss (Vegetative) Cultivars.....17

Table 14A- Percent Living Ground Cover (Fall) Ratings
of Buffalograss Cultivars.....18

Table 14B- Percent Living Ground Cover (Fall) Ratings
of Buffalograss (Seeded) Cultivars.....18

Table 14C- Percent Living Ground Cover (Fall) Ratings
of Buffalograss (Vegetative) Cultivars.....18

Table 15A- Winter Color Ratings of Buffalograss Cultivars.....19

Table 15B- Winter Color Ratings of Buffalograss (Seeded) Cultivars.....19

Table 15C- Winter Color Ratings of Buffalograss (Vegetative) Cultivars.....19

Table 16A- Fall Color (September) Ratings of Buffalograss Cultivars.....20

Table 16B- Fall Color (September) Ratings of Buffalograss (Seeded) Cultivars....20

Table 16C- Fall Color (September) Ratings of Buffalograss
(Vegetative) Cultivars.....20

Table 17A- Fall Color (October) Ratings of Buffalograss Cultivars.....21

Table 17B- Fall Color (October) Ratings of Buffalograss (Seeded) Cultivars.....21

Table 17C- Fall Color (October) Ratings of Buffalograss
(Vegetative) Cultivars.....21

Table 18A- Fall Color (November) Ratings of Buffalograss Cultivars.....22

Table 18B- Fall Color (November) Ratings of Buffalograss (Seeded) Cultivars.....22

Table 18C- Fall Color (November) Ratings of Buffalograss
(Vegetative) Cultivars.....22

Table 19A- Fall Color (December) Ratings of Buffalograss Cultivars.....23

Table 19B- Fall Color (December) Ratings of Buffalograss (Seeded) Cultivars.....23

Table 19C- Fall Color (December) Ratings of Buffalograss (Vegetative) Cultivars.23

Table 20A- Poa Annua Ratings of Buffalograss Cultivars.....24

Table 20B- Poa Annua Ratings of Buffalograss (Seeded) Cultivars.....24

Table 20C- Poa Annua Ratings of Buffalograss (Vegetative) Cultivars.....24

Table 21A- Spurge Ratings of Buffalograss Cultivars.....25

Table 21B- Spurge Ratings of Buffalograss (Seeded) Cultivars.....25

CONTENTS (continued)

Table 21C- Spurge Ratings of Buffalograss (Vegetative) Cultivars.....25

Table 22A- Broad Leaf Weed Ratings of Buffalograss Cultivars.....26

Table 22B- Broad Leaf Weed Ratings of Buffalograss (Seeded) Cultivars..... 26

Table 22C- Broad Leaf Weed Ratings of Buffalograss (Vegetative) Cultivars.....26

Table 23A- Scalping Ratings of Buffalograss Cultivars.....27

Table 23B- Scalping Ratings of Buffalograss (Seeded) Cultivars.....27

Table 23C- Scalping Ratings of Buffalograss (Vegetative) Cultivars.....27

Table 24A- Spring Dead Spot Measurements of Buffalograss Cultivars.....28

Table 24B- Spring Dead Spot Measurements of Buffalograss (Seeded) Cultivars.....28

Table 24C- Spring Dead Spot Measurements of Buffalograss (Vegetative) Cultivars.28

Table 25A- Color Ratings of Buffalograss Cultivars for Each Month.....29

Table 25B- Color Ratings of Buffalograss (Seeded) Cultivars for Each Month.....29

Table 25C- Color Ratings of Buffalograss (Vegetative) Cultivars for Each Month..29

Table 26A- Percent Grasses Ratings of Buffalograss
Cultivars at Stillwater, OK.....30

Table 26B- Percent Grasses Ratings of Buffalograss (Seeded)
Cultivars at Stillwater, OK.....30

Table 26C- Percent Grasses Ratings of Buffalograss (Vegetative)
Cultivars at Stillwater, OK.....30

Appendix Table - Summary of Turfgrass Quality Ratings of Buffalograss
Cultivars.....31

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 2004

<u>State</u>	<u>Location</u>	<u>Code</u>
Arizona	Tucson	AZ1
California	Riverside	CA3
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.

2004 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
CA3	SANDY LOAM	6.6-7.0	0-60	0-150	3.1-4.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NE1	SILTY CLAY AND CLAY	7.1-7.5	61-150	376-500	1.1-2.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
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	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	1.6-2.0	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 2004

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
CA3					X	X	X	X	X	X	X	X	X		
KS1				X	X	X	X	X	X	X			X	X	X
NE1				X	X	X	X	X	X	X	X		X	X	
NM1				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	X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2004

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	POA ANNUA	SPURGE RATING	BROAD LEAF RATING	SCALPING RATING
AZ1 CA3 KS1	X	X	X	X	X	X		X			X	X	X	X	
NE1 NM1 OK1	X	X	X				X	X	X	X					
TX1 UT1	X	X	X					X	X	X	X				

LOCATIONS AND DATA COLLECTED IN 2004

LOCATION	COLOR MARCH	COLOR APRIL	COLOR MAY	COLOR JUNE	COLOR JULY	COLOR AUGUST	COLOR SEPTEMBER	SPRING DEAD SPOT	PERCENT BUFFALO GRASS	PERCENT BERMUDA GRASS	PERCENT CLOVER	PERCENT OTHER GRASS
AZ1 CA3 KS1		X	X	X	X	X						
NE1 NM1 OK1	X	X	X	X	X	X		X	X	X	X	X
TX1 UT1	X		X	X	X	X	X					

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE TRANSITION REGION
2004 DATA

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

NAME	KS1	OK1	MEAN
* DENSITY	5.2	6.7	6.0
* BOWIE	5.8	6.0	5.9
* LEGACY	6.4	4.6	5.5
* SWI-2000	6.0	5.0	5.5
* TEXOKA	5.8	5.1	5.4
NE 95-55	5.8	4.9	5.3
* 378	5.6	5.0	5.3
* BISON	5.1	5.0	5.0
* 609	4.9	4.9	4.9
* FRONTIER TURFALLO	4.8	4.8	4.8
LSD VALUE	0.6	0.9	0.5
C.V. (%)	7.1	10.4	8.8

TABLE 1B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE TRANSITION REGION
2004 DATA

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

NAME	KS1	OK1	MEAN
BOWIE	5.8	6.0	5.9
SWI-2000	6.0	5.0	5.5
TEXOKA	5.8	5.1	5.4
BISON	5.1	5.0	5.0
FRONTIER TURFALLO	4.8	4.8	4.8
LSD VALUE	0.7	1.0	0.6
C.V. (%)	8.0	11.5	9.8

TABLE 1C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE TRANSITION REGION
2004 DATA

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

NAME	KS1	OK1	MEAN
DENSITY	5.2	6.7	6.0
LEGACY	6.4	4.6	5.5
NE 95-55	5.8	4.9	5.3
378	5.6	5.0	5.3
609	4.9	4.9	4.9
LSD VALUE	0.6	0.8	0.5
C.V. (%)	6.1	9.1	7.7

* COMMERCIALY AVAILABLE IN THE USA IN 2005.

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 FOR EACH MONTH GROWN AT DALLAS, TX 1/
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
609	4.0	2.0	3.3	4.7	6.3	6.0	8.0	7.0	7.0	7.3	6.0	5.3	5.6
DENSITY	4.7	3.7	4.0	5.7	5.3	7.0	7.0	5.3	5.7	6.7	6.0	6.0	5.6
LEGACY	4.3	3.0	4.0	6.7	6.3	6.7	7.7	6.0	4.7	4.7	3.3	4.3	5.1
378	4.0	3.3	4.3	5.7	7.3	6.0	7.3	6.0	5.3	4.7	3.3	4.0	5.1
SWI-2000	4.0	2.7	4.0	5.3	5.7	6.0	6.0	6.0	5.3	4.7	4.0	4.0	4.8
TEXOKA	4.0	3.3	3.3	5.3	5.7	6.0	5.3	5.0	4.7	6.7	4.3	4.0	4.8
BOWIE	4.0	2.7	4.0	5.0	5.7	6.7	6.0	5.7	5.0	5.0	4.0	4.0	4.8
NE 95-55	4.0	3.0	4.3	5.7	6.3	6.3	6.7	5.0	4.3	4.3	3.3	4.0	4.8
BISON	4.0	3.0	3.3	5.0	5.7	6.0	5.0	5.3	4.7	6.0	4.7	4.3	4.8
FRONTIER TURFALLO	4.0	3.0	3.7	4.3	5.0	6.0	4.3	5.0	4.7	6.0	5.0	4.0	4.6
LSD VALUE	0.4	0.7	0.7	1.0	1.2	1.1	1.4	1.0	0.8	1.1	1.0	0.5	0.5
C.V. (%)	6.3	13.8	11.7	11.4	13.1	11.3	13.8	11.2	10.1	11.8	13.8	7.2	6.1

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS FOR EACH MONTH GROWN AT DALLAS, TX 1/
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
SWI-2000	4	2.7	4.0	5.3	5.7	6.0	6.0	6.0	5.3	4.7	4.0	4.0	4.8
TEXOKA	4	3.3	3.3	5.3	5.7	6.0	5.3	5.0	4.7	6.7	4.3	4.0	4.8
BOWIE	4	2.7	4.0	5.0	5.7	6.7	6.0	5.7	5.0	5.0	4.0	4.0	4.8
BISON	4	3.0	3.3	5.0	5.7	6.0	5.0	5.3	4.7	6.0	4.7	4.3	4.8
FRONTIER TURFALLO	4	3.0	3.7	4.3	5.0	6.0	4.3	5.0	4.7	6.0	5.0	4.0	4.6
LSD VALUE	0	0.7	0.7	1.0	1.1	1.3	1.7	0.9	0.8	1.2	1.2	0.4	0.5
C.V. (%)	0	15.2	12.2	12.6	12.3	13.3	20.0	10.7	10.6	12.9	16.6	6.3	6.7

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS FOR EACH MONTH GROWN AT DALLAS, TX 1/
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
609	4.0	2.0	3.3	4.7	6.3	6.0	8.0	7.0	7.0	7.3	6.0	5.3	5.6
DENSITY	4.7	3.7	4.0	5.7	5.3	7.0	7.0	5.3	5.7	6.7	6.0	6.0	5.6
LEGACY	4.3	3.0	4.0	6.7	6.3	6.7	7.7	6.0	4.7	4.7	3.3	4.3	5.1
378	4.0	3.3	4.3	5.7	7.3	6.0	7.3	6.0	5.3	4.7	3.3	4.0	5.1
NE 95-55	4.0	3.0	4.3	5.7	6.3	6.3	6.7	5.0	4.3	4.3	3.3	4.0	4.8
LSD VALUE	0.6	0.6	0.7	0.9	1.4	0.9	1.0	1.1	0.8	0.9	0.7	0.6	0.5
C.V. (%)	8.7	12.2	11.2	10.2	13.5	9.0	8.6	11.6	9.6	10.4	10.2	7.7	5.6

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 3A. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS FOR EACH MONTH GROWN AT MEAD, NE 1/

2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
NE 95-55	6.3	6.7	8.0	8.0	8.0	7.0	6.3	5.7	7.0
LEGACY	5.7	7.0	8.0	7.7	8.0	7.3	6.3	5.3	6.9
SWI-2000	6.0	7.3	8.0	7.7	7.7	6.0	5.7	5.7	6.8
BOWIE	5.7	7.3	8.0	7.0	7.0	6.0	5.3	5.0	6.4
378	4.7	6.7	7.7	6.7	7.3	6.3	3.7	3.3	5.8
BISON	5.7	6.3	6.3	6.3	7.3	4.3	2.3	2.7	5.2
609	2.0	3.3	4.0	5.0	6.3	7.0	6.7	6.0	5.0
DENSITY	1.7	2.0	3.3	4.0	5.7	6.0	6.3	7.0	4.5
TEXOKA	5.0	5.3	5.3	5.0	5.7	5.0	2.0	2.0	4.4
FRONTIER TURFALLO	2.7	3.7	4.3	4.0	5.0	5.0	5.0	4.0	4.2
LSD VALUE	0.8	1.0	0.8	0.9	0.7	0.7	0.8	0.7	0.4
C.V. (%)	10.7	10.9	8.2	9.4	6.6	7.5	10.4	8.7	4.4

TABLE 3B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS FOR EACH MONTH GROWN AT MEAD, NE 1/

2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
SWI-2000	6.0	7.3	8.0	7.7	7.7	6.0	5.7	5.7	6.8
BOWIE	5.7	7.3	8.0	7.0	7.0	6.0	5.3	5.0	6.4
BISON	5.7	6.3	6.3	6.3	7.3	4.3	2.3	2.7	5.2
TEXOKA	5.0	5.3	5.3	5.0	5.7	5.0	2.0	2.0	4.4
FRONTIER TURFALLO	2.7	3.7	4.3	4.0	5.0	5.0	5.0	4.0	4.2
LSD VALUE	0.7	0.9	0.7	0.6	0.7	0.4	0.7	0.6	0.3
C.V. (%)	8.9	9.6	7.0	6.1	6.8	4.9	11.0	9.4	3.9

TABLE 3C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS FOR EACH MONTH GROWN AT MEAD, NE 1/

2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
NE 95-55	6.3	6.7	8.0	8.0	8.0	7.0	6.3	5.7	7.0
LEGACY	5.7	7.0	8.0	7.7	8.0	7.3	6.3	5.3	6.9
378	4.7	6.7	7.7	6.7	7.3	6.3	3.7	3.3	5.8
609	2.0	3.3	4.0	5.0	6.3	7.0	6.7	6.0	5.0
DENSITY	1.7	2.0	3.3	4.0	5.7	6.0	6.3	7.0	4.5
LSD VALUE	0.8	1.0	0.9	1.2	0.7	0.9	0.9	0.7	0.4
C.V. (%)	12.7	12.3	9.3	11.7	6.3	8.6	9.8	8.2	4.8

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. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT 1/
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
BISON	6.0	5.3	4.0	4.3	4.7	4.3	4.8
SWI-2000	5.3	5.0	5.3	4.0	3.7	3.7	4.5
BOWIE	6.0	5.3	4.7	3.7	3.0	3.3	4.3
378	4.3	5.0	6.0	3.7	3.0	3.0	4.2
DENSITY	3.0	3.7	3.7	4.0	5.0	6.0	4.1
FRONTIER TURFALLO	2.3	3.3	3.3	3.7	5.3	6.0	4.0
LEGACY	4.0	4.7	5.3	3.3	2.3	3.3	3.8
NE 95-55	2.7	2.3	2.7	3.3	4.0	3.3	3.1
609	1.3	1.7	1.7	2.0	2.3	4.3	2.2
TEXOKA	1.0	1.0	1.0	2.0	1.7	1.7	1.4
LSD VALUE	1.4	0.9	1.5	0.9	2.0	2.2	1.0
C.V. (%)	24.3	15.5	24.2	16.1	35.0	34.3	16.9

TABLE 4B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT 1/
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
BISON	6.0	5.3	4.0	4.3	4.7	4.3	4.8
SWI-2000	5.3	5.0	5.3	4.0	3.7	3.7	4.5
BOWIE	6.0	5.3	4.7	3.7	3.0	3.3	4.3
FRONTIER TURFALLO	2.3	3.3	3.3	3.7	5.3	6.0	4.0
TEXOKA	1.0	1.0	1.0	2.0	1.7	1.7	1.4
LSD VALUE	1.6	0.7	1.0	0.7	2.2	1.8	1.0
C.V. (%)	23.4	11.2	17.2	12.7	37.3	29.6	15.8

TABLE 4C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT 1/
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
378	4.3	5.0	6.0	3.7	3.0	3.0	4.2
DENSITY	3.0	3.7	3.7	4.0	5.0	6.0	4.1
LEGACY	4.0	4.7	5.3	3.3	2.3	3.3	3.8
NE 95-55	2.7	2.3	2.7	3.3	4.0	3.3	3.1
609	1.3	1.7	1.7	2.0	2.3	4.3	2.2
LSD VALUE	1.2	1.1	1.8	1.0	1.7	2.5	1.0
C.V. (%)	25.3	19.7	29.1	19.4	31.9	38.6	18.1

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 5A. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE SOUTHWEST REGION
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	CA3	NM1	MEAN
NE 95-55	6.4	5.0	6.7	6.1
BISON	6.6	4.3	6.4	5.7
BOWIE	6.4	4.3	6.5	5.7
DENSITY	6.1	4.6	6.5	5.7
609	5.9	4.5	6.6	5.7
378	5.9	4.5	6.8	5.7
FRONTIER TURFALLO	5.6	5.1	6.3	5.7
LEGACY	6.3	4.3	6.4	5.7
SWI-2000	6.1	4.3	6.2	5.5
TEXOKA	5.6	4.2	6.7	5.5
LSD VALUE	1.9	0.6	0.5	0.7
C.V. (%)	19.5	8.6	4.3	13.0

TABLE 5B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE SOUTHWEST REGION
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	CA3	NM1	MEAN
BISON	6.6	4.3	6.4	5.7
BOWIE	6.4	4.3	6.5	5.7
FRONTIER TURFALLO	5.6	5.1	6.3	5.7
SWI-2000	6.1	4.3	6.2	5.5
TEXOKA	5.6	4.2	6.7	5.5
LSD VALUE	1.9	0.6	0.5	0.7
C.V. (%)	19.1	8.9	4.5	12.9

TABLE 5C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE SOUTHWEST REGION
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	CA3	NM1	MEAN
NE 95-55	6.4	5.0	6.7	6.1
DENSITY	6.1	4.6	6.5	5.7
609	5.9	4.5	6.6	5.7
378	5.9	4.5	6.8	5.7
LEGACY	6.3	4.3	6.4	5.7
LSD VALUE	2.0	0.6	0.4	0.7
C.V. (%)	19.9	8.4	4.2	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 6A. GENETIC COLOR RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	AZ1	CA3	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
NE 95-55	6.3	7.0	6.7	8.7	7.0	9.0	7.3	8.7	7.6
LEGACY	6.3	7.0	7.3	8.7	6.7	8.7	7.7	8.0	7.5
378	6.0	6.3	7.0	7.0	6.7	9.0	7.0	8.7	7.2
609	5.7	6.7	7.0	7.3	7.0	8.7	7.3	7.7	7.2
BISON	7.0	6.7	7.0	7.3	7.0	8.3	6.3	7.3	7.1
SWI-2000	6.0	6.3	7.0	7.0	7.0	7.7	6.0	7.0	6.8
BOWIE	5.7	6.3	6.7	7.3	7.0	7.0	6.7	5.7	6.5
TEXOKA	5.7	6.3	6.7	6.0	6.7	8.0	5.7	6.3	6.4
DENSITY	4.3	4.7	5.0	4.7	7.3	8.0	3.3	4.0	5.2
FRONTIER TURFALLO	5.0	5.0	6.0	5.3	7.0	7.0	2.0	3.7	5.1
LSD VALUE	1.3	0.8	0.6	0.8	1.2	0.9	1.4	0.9	0.4
C.V. (%)	14.4	7.7	5.5	7.0	10.5	7.1	14.4	8.6	9.5

TABLE 6B. GENETIC COLOR RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	AZ1	CA3	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
BISON	7.0	6.7	7.0	7.3	7.0	8.3	6.3	7.3	7.1
SWI-2000	6.0	6.3	7.0	7.0	7.0	7.7	6.0	7.0	6.8
BOWIE	5.7	6.3	6.7	7.3	7.0	7.0	6.7	5.7	6.5
TEXOKA	5.7	6.3	6.7	6.0	6.7	8.0	5.7	6.3	6.4
FRONTIER TURFALLO	5.0	5.0	6.0	5.3	7.0	7.0	2.0	3.7	5.1
LSD VALUE	1.4	0.8	0.6	0.7	1.3	1.2	1.2	0.8	0.4
C.V. (%)	14.6	8.4	5.5	6.8	11.8	9.6	14.5	8.6	10.2

TABLE 6C. GENETIC COLOR RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	AZ1	CA3	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
NE 95-55	6.3	7.0	6.7	8.7	7.0	9.0	7.3	8.7	7.6
LEGACY	6.3	7.0	7.3	8.7	6.7	8.7	7.7	8.0	7.5
378	6.0	6.3	7.0	7.0	6.7	9.0	7.0	8.7	7.2
609	5.7	6.7	7.0	7.3	7.0	8.7	7.3	7.7	7.2
DENSITY	4.3	4.7	5.0	4.7	7.3	8.0	3.3	4.0	5.2
LSD VALUE	1.3	0.7	0.6	0.8	1.0	0.6	1.5	1.0	0.4
C.V. (%)	14.2	7.1	5.5	7.1	9.1	4.2	14.2	8.5	8.9

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 7A. SPRING GREENUP RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

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

NAME	AZ1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
BISON	7.0	4.7	6.3	3.0	2.3	5.7	4.7	4.8
BOWIE	7.0	5.0	5.7	2.3	3.7	6.0	2.7	4.6
SWI-2000	6.7	5.0	5.7	2.0	3.0	6.0	3.7	4.6
NE 95-55	6.3	5.0	5.3	1.7	2.7	6.3	3.7	4.4
TEXOKA	7.0	5.0	5.0	1.7	2.3	6.0	3.0	4.3
LEGACY	7.0	4.7	5.7	2.3	2.0	4.7	3.0	4.2
378	6.7	4.3	6.3	1.7	2.3	5.3	2.0	4.1
609	7.0	3.7	4.3	1.7	2.7	5.0	4.0	4.0
DENSITY	6.0	2.0	4.3	1.7	2.7	5.0	3.7	3.6
FRONTIER TURFALLO	6.3	1.3	5.3	1.7	2.3	5.0	3.3	3.6
LSD VALUE	1.2	1.0	0.9	1.4	1.4	1.1	1.0	0.4
C.V. (%)	10.9	14.9	10.1	44.5	33.7	12.0	18.8	16.9

TABLE 7B. SPRING GREENUP RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

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

NAME	AZ1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
BISON	7.0	4.7	6.3	3.0	2.3	5.7	4.7	4.8
BOWIE	7.0	5.0	5.7	2.3	3.7	6.0	2.7	4.6
SWI-2000	6.7	5.0	5.7	2.0	3.0	6.0	3.7	4.6
TEXOKA	7.0	5.0	5.0	1.7	2.3	6.0	3.0	4.3
FRONTIER TURFALLO	6.3	1.3	5.3	1.7	2.3	5.0	3.3	3.6
LSD VALUE	0.6	0.6	0.8	1.8	1.1	0.8	1.1	0.4
C.V. (%)	5.4	8.7	9.2	51.3	25.0	9.0	19.7	14.8

TABLE 7C. SPRING GREENUP RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

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

NAME	AZ1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
NE 95-55	6.3	5.0	5.3	1.7	2.7	6.3	3.7	4.4
LEGACY	7.0	4.7	5.7	2.3	2.0	4.7	3.0	4.2
378	6.7	4.3	6.3	1.7	2.3	5.3	2.0	4.1
609	7.0	3.7	4.3	1.7	2.7	5.0	4.0	4.0
DENSITY	6.0	2.0	4.3	1.7	2.7	5.0	3.7	3.6
LSD VALUE	1.6	1.2	0.9	0.9	1.7	1.2	0.9	0.5
C.V. (%)	14.6	19.7	11.1	32.1	41.9	14.7	17.7	19.0

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 8A. LEAF TEXTURE RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

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

NAME	AZ1	NM1	OK1	TX1	UT1	MEAN
DENSITY	7.3	7.7	9.0	8.0	8.3	8.1
378	7.7	8.3	8.0	7.0	7.3	7.7
609	6.7	8.3	9.0	7.0	7.3	7.7
FRONTIER TURFALLO	6.7	8.0	9.0	6.7	8.0	7.7
LEGACY	7.3	8.3	8.0	6.7	7.7	7.6
BOWIE	6.3	8.3	7.7	6.7	7.0	7.2
SWI-2000	6.7	7.3	7.3	6.3	7.0	6.9
TEXOKA	6.3	8.7	7.3	5.7	6.7	6.9
NE 95-55	5.7	8.0	8.0	6.0	6.3	6.8
BISON	6.3	8.0	6.7	6.0	6.7	6.7
LSD VALUE	1.3	0.9	0.6	0.8	0.8	0.4
C.V. (%)	11.9	7.1	4.6	7.8	6.7	7.7

TABLE 8B. LEAF TEXTURE RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

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

NAME	AZ1	NM1	OK1	TX1	UT1	MEAN
FRONTIER TURFALLO	6.7	8.0	9.0	6.7	8.0	7.7
BOWIE	6.3	8.3	7.7	6.7	7.0	7.2
SWI-2000	6.7	7.3	7.3	6.3	7.0	6.9
TEXOKA	6.3	8.7	7.3	5.7	6.7	6.9
BISON	6.3	8.0	6.7	6.0	6.7	6.7
LSD VALUE	1.4	0.7	0.8	0.8	0.6	0.4
C.V. (%)	13.2	5.5	6.8	8.2	5.2	8.0

TABLE 8C. LEAF TEXTURE RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

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

NAME	AZ1	NM1	OK1	TX1	UT1	MEAN
DENSITY	7.3	7.7	9	8.0	8.3	8.1
378	7.7	8.3	8	7.0	7.3	7.7
609	6.7	8.3	9	7.0	7.3	7.7
LEGACY	7.3	8.3	8	6.7	7.7	7.6
NE 95-55	5.7	8.0	8	6.0	6.3	6.8
LSD VALUE	1.2	1.1	0	0.8	0.9	0.4
C.V. (%)	10.5	8.4	0	7.4	7.8	7.5

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 9A. SPRING DENSITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
NAME	AZ1	NE1	TX1	MEAN
378	7.3	9.0	6.7	7.7
LEGACY	6.7	9.0	7.0	7.6
NE 95-55	6.3	8.7	7.0	7.3
SWI-2000	6.7	9.0	6.0	7.2
BOWIE	6.7	8.3	6.0	7.0
BISON	5.7	8.0	6.3	6.7
TEXOKA	5.7	8.0	6.3	6.7
DENSITY	7.7	4.7	6.7	6.3
609	7.0	5.3	5.7	6.0
FRONTIER TURFALLO	6.3	5.3	5.0	5.6
LSD VALUE	1.5	0.7	1.2	0.7
C.V. (%)	14.4	5.4	12.0	10.9

TABLE 9B. SPRING DENSITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
NAME	AZ1	NE1	TX1	MEAN
SWI-2000	6.7	9.0	6.0	7.2
BOWIE	6.7	8.3	6.0	7.0
BISON	5.7	8.0	6.3	6.7
TEXOKA	5.7	8.0	6.3	6.7
FRONTIER TURFALLO	6.3	5.3	5.0	5.6
LSD VALUE	1.6	0.6	1.4	0.7
C.V. (%)	15.6	4.7	14.4	11.7

TABLE 9C. SPRING DENSITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
NAME	AZ1	NE1	TX1	MEAN
378	7.3	9.0	6.7	7.7
LEGACY	6.7	9.0	7.0	7.6
NE 95-55	6.3	8.7	7.0	7.3
DENSITY	7.7	4.7	6.7	6.3
609	7.0	5.3	5.7	6.0
LSD VALUE	1.5	0.7	1.0	0.6
C.V. (%)	13.3	6.1	9.6	10.0

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 10A. SUMMER DENSITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/					
NAME	AZ1	NE1	OK1	TX1	MEAN
DENSITY	7.3	7.3	9.0	8.0	7.9
NE 95-55	6.7	9.0	8.0	7.3	7.8
609	6.7	8.0	8.7	7.3	7.7
378	6.3	8.7	7.3	7.7	7.5
LEGACY	6.7	9.0	7.3	7.0	7.5
SWI-2000	6.3	9.0	7.3	6.7	7.3
BOWIE	6.7	9.0	6.7	6.7	7.3
BISON	6.7	9.0	6.0	6.3	7.0
FRONTIER TURFALLO	5.7	7.0	8.3	7.0	7.0
TEXOKA	5.7	8.0	6.3	6.7	6.7
LSD VALUE	2.9	0.4	0.8	1.2	0.8
C.V. (%)	28.2	3.1	6.4	10.3	13.9

TABLE 10B. SUMMER DENSITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/					
NAME	AZ1	NE1	OK1	TX1	MEAN
SWI-2000	6.3	9	7.3	6.7	7.3
BOWIE	6.7	9	6.7	6.7	7.3
BISON	6.7	9	6.0	6.3	7.0
FRONTIER TURFALLO	5.7	7	8.3	7.0	7.0
TEXOKA	5.7	8	6.3	6.7	6.7
LSD VALUE	3.2	0	0.8	1.5	0.9
C.V. (%)	32.0	0	7.4	14.0	16.0

TABLE 10C. SUMMER DENSITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/					
NAME	AZ1	NE1	OK1	TX1	MEAN
DENSITY	7.3	7.3	9.0	8.0	7.9
NE 95-55	6.7	9.0	8.0	7.3	7.8
609	6.7	8.0	8.7	7.3	7.7
378	6.3	8.7	7.3	7.7	7.5
LEGACY	6.7	9.0	7.3	7.0	7.5
LSD VALUE	2.7	0.6	0.7	0.7	0.7
C.V. (%)	24.6	4.3	5.5	6.0	11.8

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 11A. FALL DENSITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
NAME	AZ1	NE1	TX1	MEAN
NE 95-55	7.0	9.0	7.3	7.8
378	6.3	9.0	7.7	7.7
BOWIE	7.0	9.0	7.0	7.7
DENSITY	7.0	8.0	8.0	7.7
LEGACY	6.7	9.0	7.3	7.7
609	6.3	8.3	8.0	7.6
SWI-2000	6.7	9.0	7.0	7.6
BISON	6.7	8.0	7.0	7.2
TEXOKA	6.3	7.3	7.7	7.1
FRONTIER TURFALLO	5.7	7.3	7.3	6.8
LSD VALUE	2.6	0.5	1.0	0.9
C.V. (%)	24.7	3.8	8.1	13.6

TABLE 11B. FALL DENSITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
NAME	AZ1	NE1	TX1	MEAN
BOWIE	7.0	9.0	7.0	7.7
SWI-2000	6.7	9.0	7.0	7.6
BISON	6.7	8.0	7.0	7.2
TEXOKA	6.3	7.3	7.7	7.1
FRONTIER TURFALLO	5.7	7.3	7.3	6.8
LSD VALUE	2.7	0.6	0.9	1.0
C.V. (%)	26.2	4.5	8.0	14.5

TABLE 11C. FALL DENSITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
NAME	AZ1	NE1	TX1	MEAN
NE 95-55	7.0	9.0	7.3	7.8
378	6.3	9.0	7.7	7.7
DENSITY	7.0	8.0	8.0	7.7
LEGACY	6.7	9.0	7.3	7.7
609	6.3	8.3	8.0	7.6
LSD VALUE	2.5	0.4	1.0	0.9
C.V. (%)	23.2	3.0	8.2	12.8

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 12A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	OK1	UT1	MEAN
LEGACY	76.7	96.3	93.0	88.7
BOWIE	78.3	98.7	86.7	87.9
SWI-2000	76.7	96.3	86.7	86.6
BISON	75.0	96.0	86.7	85.9
378	53.3	94.3	86.3	78.0
NE 95-55	63.3	95.0	60.0	72.8
TEXOKA	71.7	98.0	36.7	68.8
609	48.3	91.7	56.7	65.6
DENSITY	21.7	94.0	80.0	65.2
FRONTIER TURFALLO	25.0	92.3	76.7	64.7
LSD VALUE	19.0	3.5	19.4	9.1
C.V. (%)	20.0	2.3	16.1	12.8

TABLE 12B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BUFFALOGRASS (SEEDDED) CULTIVARS 1/
2004 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	OK1	UT1	MEAN
BOWIE	78.3	98.7	86.7	87.9
SWI-2000	76.7	96.3	86.7	86.6
BISON	75.0	96.0	86.7	85.9
TEXOKA	71.7	98.0	36.7	68.8
FRONTIER TURFALLO	25.0	92.3	76.7	64.7
LSD VALUE	12.5	1.9	13.8	6.2
C.V. (%)	11.9	1.2	11.5	8.5

TABLE 12C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	OK1	UT1	MEAN
LEGACY	76.7	96.3	93.0	88.7
378	53.3	94.3	86.3	78.0
NE 95-55	63.3	95.0	60.0	72.8
609	48.3	91.7	56.7	65.6
DENSITY	21.7	94.0	80.0	65.2
LSD VALUE	23.8	4.5	23.6	11.3
C.V. (%)	28.1	3.0	19.5	16.4

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 13A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	OK1	UT1	MEAN
BOWIE	93.3	86.7	96.0	92.0
FRONTIER TURFALLO	84.3	93.7	86.7	88.2
DENSITY	82.0	90.0	89.7	87.2
BISON	93.3	75.3	90.0	86.2
SWI-2000	85.7	75.3	93.0	84.7
378	86.3	67.0	96.0	83.1
LEGACY	88.7	63.0	96.0	82.6
NE 95-55	79.0	60.7	66.7	68.8
TEXOKA	79.0	75.7	43.3	66.0
609	86.7	51.0	50.0	62.6
LSD VALUE	20.7	20.3	13.4	10.7
C.V. (%)	15.0	17.1	10.4	14.3

TABLE 13B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BUFFALOGRASS (SEEDDED) CULTIVARS 1/
2004 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	OK1	UT1	MEAN
BOWIE	93.3	86.7	96.0	92.0
FRONTIER TURFALLO	84.3	93.7	86.7	88.2
BISON	93.3	75.3	90.0	86.2
SWI-2000	85.7	75.3	93.0	84.7
TEXOKA	79.0	75.7	43.3	66.0
LSD VALUE	16.5	21.1	7.9	9.3
C.V. (%)	11.8	16.2	6.0	12.0

TABLE 13C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	OK1	UT1	MEAN
DENSITY	82.0	90.0	89.7	87.2
378	86.3	67.0	96.0	83.1
LEGACY	88.7	63.0	96.0	82.6
NE 95-55	79.0	60.7	66.7	68.8
609	86.7	51.0	50.0	62.6
LSD VALUE	24.1	19.5	17.3	11.8
C.V. (%)	17.7	18.3	13.5	16.6

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 14A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	OK1	UT1	MEAN
FRONTIER TURFALLO	70.0	92.0	92.7	84.9
BOWIE	65.0	85.7	99.0	83.2
DENSITY	71.7	77.3	90.0	79.7
SWI-2000	80.0	53.3	99.0	77.4
BISON	70.0	60.0	99.0	76.3
LEGACY	85.0	45.0	99.0	76.3
378	56.7	56.7	92.7	68.7
TEXOKA	75.0	66.0	46.7	62.6
NE 95-55	61.7	48.3	73.3	61.1
609	68.3	40.0	50.0	52.8
LSD VALUE	26.2	27.9	16.9	13.9
C.V. (%)	23.2	27.8	12.5	20.8

TABLE 14B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	OK1	UT1	MEAN
FRONTIER TURFALLO	70.0	92.0	92.7	84.9
BOWIE	65.0	85.7	99.0	83.2
SWI-2000	80.0	53.3	99.0	77.4
BISON	70.0	60.0	99.0	76.3
TEXOKA	75.0	66.0	46.7	62.6
LSD VALUE	27.4	25.6	11.5	13.1
C.V. (%)	23.7	22.3	8.2	18.3

TABLE 14C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	OK1	UT1	MEAN
DENSITY	71.7	77.3	90.0	79.7
LEGACY	85.0	45.0	99.0	76.3
378	56.7	56.7	92.7	68.7
NE 95-55	61.7	48.3	73.3	61.1
609	68.3	40.0	50.0	52.8
LSD VALUE	25.0	29.9	21.0	14.8
C.V. (%)	22.6	34.8	16.1	23.5

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 15A. WINTER COLOR RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

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

NAME	NM1	OK1	MEAN
FRONTIER TURFALLO	6.3	9.0	7.7
DENSITY	6.0	9.0	7.5
378	7.7	6.3	7.0
BOWIE	7.0	6.3	6.7
609	6.3	6.0	6.2
SWI-2000	6.3	6.0	6.2
NE 95-55	7.0	5.0	6.0
LEGACY	7.0	4.0	5.5
TEXOKA	5.3	5.0	5.2
BISON	4.0	5.0	4.5
LSD VALUE	1.1	0.7	0.6
C.V. (%)	10.8	6.6	9.0

TABLE 15B. WINTER COLOR RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

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

NAME	NM1	OK1	MEAN
FRONTIER TURFALLO	6.3	9.0	7.7
BOWIE	7.0	6.3	6.7
SWI-2000	6.3	6.0	6.2
TEXOKA	5.3	5.0	5.2
BISON	4.0	5.0	4.5
LSD VALUE	1.0	0.4	0.5
C.V. (%)	10.9	4.1	8.0

TABLE 15C. WINTER COLOR RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

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

NAME	NM1	OK1	MEAN
DENSITY	6.0	9.0	7.5
378	7.7	6.3	7.0
609	6.3	6.0	6.2
NE 95-55	7.0	5.0	6.0
LEGACY	7.0	4.0	5.5
LSD VALUE	1.2	0.8	0.7
C.V. (%)	10.7	8.5	9.8

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 16A. FALL COLOR (SEPTEMBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/					
NAME	AZ1	NM1	TX1	UT1	MEAN
609	6.3	7.7	8.0	4.7	6.9
DENSITY	6.7	7.0	6.7	4.7	6.6
BISON	8.0	6.7	5.3	5.0	6.1
NE 95-55	7.0	7.3	4.7	6.3	6.1
TEXOKA	7.0	7.3	5.7	4.3	6.1
FRONTIER TURFALLO	5.3	6.7	6.3	5.7	5.7
SWI-2000	7.0	6.7	5.3	3.7	5.5
378	7.0	6.7	5.7	3.3	5.2
BOWIE	7.0	6.7	4.3	3.0	5.2
LEGACY	7.0	6.0	4.3	1.7	5.0
LSD VALUE	2.0	1.3	1.1	2.5	0.8
C.V. (%)	18.5	11.9	12.6	36.3	18.4

TABLE 16B. FALL COLOR (SEPTEMBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/					
NAME	AZ1	NM1	TX1	UT1	MEAN
BISON	8.0	6.7	5.3	5.0	6.1
TEXOKA	7.0	7.3	5.7	4.3	6.1
FRONTIER TURFALLO	5.3	6.7	6.3	5.7	5.7
SWI-2000	7.0	6.7	5.3	3.7	5.5
BOWIE	7.0	6.7	4.3	3.0	5.2
LSD VALUE	1.7	1.4	1.2	2.4	0.7
C.V. (%)	15.0	12.6	13.5	34.2	17.7

TABLE 16C. FALL COLOR (SEPTEMBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/					
NAME	AZ1	NM1	TX1	UT1	MEAN
609	6.3	7.7	8.0	4.7	6.9
DENSITY	6.7	7.0	6.7	4.7	6.6
NE 95-55	7.0	7.3	4.7	6.3	6.1
378	7.0	6.7	5.7	3.3	5.2
LEGACY	7.0	6.0	4.3	1.7	5.0
LSD VALUE	2.3	1.2	1.1	2.6	0.8
C.V. (%)	21.5	11.2	11.6	38.5	19.0

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 17A. FALL COLOR (OCTOBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

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

NAME	NM1	TX1	UT1	MEAN
609	4.7	8.0	5.3	5.8
DENSITY	4.0	6.7	5.0	5.4
FRONTIER TURFALLO	5.3	6.3	4.7	5.1
BISON	5.0	5.0	3.3	4.3
TEXOKA	5.0	5.7	1.7	4.3
NE 95-55	6.0	4.0	2.0	3.8
LEGACY	5.3	4.3	1.7	3.8
SWI-2000	5.0	5.0	1.7	3.7
378	5.7	4.7	1.0	3.4
BOWIE	5.0	4.3	1.3	3.3
LSD VALUE	1.9	1.0	2.3	0.9
C.V. (%)	22.6	11.7	51.5	27.1

TABLE 17B. FALL COLOR (OCTOBER) RATINGS OF BUFFALOGRASS (SEEDDED) CULTIVARS 1/
2004 DATA

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

NAME	NM1	TX1	UT1	MEAN
FRONTIER TURFALLO	5.3	6.3	4.7	5.1
BISON	5.0	5.0	3.3	4.3
TEXOKA	5.0	5.7	1.7	4.3
SWI-2000	5.0	5.0	1.7	3.7
BOWIE	5.0	4.3	1.3	3.3
LSD VALUE	2.2	1.2	2.0	0.9
C.V. (%)	27.0	14.7	48.9	26.3

TABLE 17C. FALL COLOR (OCTOBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

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

NAME	NM1	TX1	UT1	MEAN
609	4.7	8.0	5.3	5.8
DENSITY	4.0	6.7	5.0	5.4
NE 95-55	6.0	4.0	2.0	3.8
LEGACY	5.3	4.3	1.7	3.8
378	5.7	4.7	1.0	3.4
LSD VALUE	1.4	0.7	2.6	1.0
C.V. (%)	17.4	8.1	53.1	27.7

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. FALL COLOR (NOVEMBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

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

NAME	CA3	NM1	OK1	TX1	MEAN
FRONTIER TURFALLO	5.0	4.7	2.7	5.3	4.4
609	4.7	4.0	2.7	6.0	4.3
DENSITY	4.0	4.0	3.0	5.7	4.2
TEXOKA	1.7	4.7	1.3	4.0	2.9
BISON	1.7	4.3	1.3	3.7	2.8
LEGACY	1.3	5.0	1.0	2.7	2.5
NE 95-55	1.0	5.0	1.3	2.7	2.5
BOWIE	1.0	4.7	1.0	3.0	2.4
378	1.0	5.3	1.0	2.3	2.4
SWI-2000	1.0	4.0	1.0	3.0	2.3
LSD VALUE	0.8	1.3	0.7	1.2	0.5
C.V. (%)	21.6	17.9	25.0	20.2	21.0

TABLE 18B. FALL COLOR (NOVEMBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

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

NAME	CA3	NM1	OK1	TX1	MEAN
FRONTIER TURFALLO	5.0	4.7	2.7	5.3	4.4
TEXOKA	1.7	4.7	1.3	4.0	2.9
BISON	1.7	4.3	1.3	3.7	2.8
BOWIE	1.0	4.7	1.0	3.0	2.4
SWI-2000	1.0	4.0	1.0	3.0	2.3
LSD VALUE	0.9	1.5	0.7	1.6	0.6
C.V. (%)	27.9	20.8	30.5	25.4	25.9

TABLE 18C. FALL COLOR (NOVEMBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

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

NAME	CA3	NM1	OK1	TX1	MEAN
609	4.7	4.0	2.7	6.0	4.3
DENSITY	4.0	4.0	3.0	5.7	4.2
LEGACY	1.3	5.0	1.0	2.7	2.5
NE 95-55	1.0	5.0	1.3	2.7	2.5
378	1.0	5.3	1.0	2.3	2.4
LSD VALUE	0.6	1.1	0.6	0.8	0.4
C.V. (%)	15.2	14.6	20.3	13.4	15.7

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

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

TABLE 19A. FALL COLOR (DECEMBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

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

NAME	CA3	OK1	TX1	MEAN
DENSITY	1.0	3	3.0	2.3
609	1.7	3	2.0	2.2
FRONTIER TURFALLO	4.0	1	1.3	2.1
BISON	1.0	1	1.3	1.1
378	1.0	1	1.0	1.0
BOWIE	1.0	1	1.0	1.0
LEGACY	1.0	1	1.0	1.0
NE 95-55	1.0	1	1.0	1.0
SWI-2000	1.0	1	1.0	1.0
TEXOKA	1.0	1	1.0	1.0
LSD VALUE	0.6	0	0.7	0.3
C.V. (%)	26.7	0	29.9	23.0

TABLE 19B. FALL COLOR (DECEMBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

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

NAME	CA3	OK1	TX1	MEAN
FRONTIER TURFALLO	4.0	1	1.3	2.1
BISON	1.0	1	1.3	1.1
BOWIE	1.0	1	1.0	1.0
SWI-2000	1.0	1	1.0	1.0
TEXOKA	1.0	1	1.0	1.0
LSD VALUE	0.7	0	0.6	0.3
C.V. (%)	28.0	0	32.2	26.8

TABLE 19C. FALL COLOR (DECEMBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

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

NAME	CA3	OK1	TX1	MEAN
DENSITY	1.0	3	3.0	2.3
609	1.7	3	2.0	2.2
378	1.0	1	1.0	1.0
LEGACY	1.0	1	1.0	1.0
NE 95-55	1.0	1	1.0	1.0
LSD VALUE	0.4	0	0.7	0.3
C.V. (%)	22.8	0	28.0	19.7

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 20A. POA ANNUA RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	CA3
DENSITY	8.7
NE 95-55	8.7
FRONTIER TURFALLO	8.3
609	8.0
BOWIE	7.7
378	7.3
LEGACY	7.3
SWI-2000	7.3
TEXOKA	6.7
BISON	6.3
LSD VALUE	1.9
C.V. (%)	15.5

TABLE 20B. POA ANNUA RATINGS OF BUFFALOGRASS (SEEDDED) CULTIVARS 1/
2004 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	CA3
FRONTIER TURFALLO	8.3
BOWIE	7.7
SWI-2000	7.3
TEXOKA	6.7
BISON	6.3
LSD VALUE	2.1
C.V. (%)	18.1

TABLE 20C. POA ANNUA RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	CA3
DENSITY	8.7
NE 95-55	8.7
609	8.0
378	7.3
LEGACY	7.3
LSD VALUE	1.7
C.V. (%)	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 21A. SPURGE RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

SPURGE RATINGS 1-9; 9=BEST 2/

NAME	CA3
NE 95-55	8.3
FRONTIER TURFALLO	8.0
LEGACY	7.0
378	6.3
DENSITY	6.3
609	6.0
TEXOKA	6.0
BOWIE	5.7
SWI-2000	5.7
BISON	3.7
LSD VALUE	3.7
C.V. (%)	36.5

TABLE 21B. SPURGE RATINGS OF BUFFALOGRASS (SEEDDED) CULTIVARS 1/
2004 DATA

SPURGE RATINGS 1-9; 9=BEST 2/

NAME	CA3
FRONTIER TURFALLO	8.0
TEXOKA	6.0
BOWIE	5.7
SWI-2000	5.7
BISON	3.7
LSD VALUE	4.6
C.V. (%)	49.4

TABLE 21C. SPURGE RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

SPURGE RATINGS 1-9; 9=BEST 2/

NAME	CA3
NE 95-55	8.3
LEGACY	7.0
378	6.3
DENSITY	6.3
609	6.0
LSD VALUE	2.5
C.V. (%)	22.8

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 22A. BROAD LEAF WEED RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

BROAD LEAF RATINGS 1-9; 9=BEST 2/

NAME	CA3
TEXOKA	9.0
FRONTIER TURFALLO	8.7
SWI-2000	8.7
378	8.3
609	8.3
BISON	8.3
DENSITY	8.3
LEGACY	8.3
NE 95-55	8.3
BOWIE	8.0
LSD VALUE	0.8
C.V. (%)	6.1

TABLE 22B. BROAD LEAF WEED RATINGS OF BUFFALOGRASS (SEEDING) CULTIVARS 1/
2004 DATA

BROAD LEAF RATINGS 1-9; 9=BEST 2/

NAME	CA3
TEXOKA	9.0
FRONTIER TURFALLO	8.7
SWI-2000	8.7
BISON	8.3
BOWIE	8.0
LSD VALUE	0.7
C.V. (%)	5.2

TABLE 22C. BROAD LEAF WEED RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

BROAD LEAF RATINGS 1-9; 9=BEST 2/

NAME	CA3
378	8.3
609	8.3
DENSITY	8.3
LEGACY	8.3
NE 95-55	8.3
LSD VALUE	0.9
C.V. (%)	6.9

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 23A. SCALPING RATINGS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

SCALPING RATINGS 1-9; 9=NONE 2/

NAME	OK1
378	9.0
BISON	9.0
DENSITY	9.0
LEGACY	9.0
NE 95-55	9.0
TEXOKA	9.0
609	8.7
BOWIE	8.7
SWI-2000	8.7
FRONTIER TURFALLO	4.3
LSD VALUE	0.8
C.V. (%)	5.7

TABLE 23B. SCALPING RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

SCALPING RATINGS 1-9; 9=NONE 2/

NAME	OK1
BISON	9.0
TEXOKA	9.0
BOWIE	8.7
SWI-2000	8.7
FRONTIER TURFALLO	4.3
LSD VALUE	1.0
C.V. (%)	8.0

TABLE 23C. SCALPING RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

SCALPING RATINGS 1-9; 9=NONE 2/

NAME	OK1
378	9.0
DENSITY	9.0
LEGACY	9.0
NE 95-55	9.0
609	8.7
LSD VALUE	0.4
C.V. (%)	2.9

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

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

TABLE 24A. SPRING DEAD SPOT MEASUREMENTS OF BUFFALOGRASS CULTIVARS 1/
2004 DATA

SPRING DEAD SPOT MEASURED IN SQUARE CENTIMETERS 2/

NAME	OK1
DENSITY	1013.3
FRONTIER TURFALLO	972.0
LEGACY	926.0
BISON	897.7
NE 95-55	871.0
BOWIE	685.0
609	640.0
378	619.3
SWI-2000	562.7
TEXOKA	542.0
LSD VALUE	428.7
C.V. (%)	34.5

TABLE 24B. SPRING DEAD SPOT MEASUREMENTS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2004 DATA

SPRING DEAD SPOT MEASURED IN SQUARE CENTIMETERS 2/

NAME	OK1
FRONTIER TURFALLO	972.0
BISON	897.7
BOWIE	685.0
SWI-2000	562.7
TEXOKA	542.0
LSD VALUE	454.9
C.V. (%)	38.6

TABLE 24C. SPRING DEAD SPOT MEASUREMENTS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2004 DATA

SPRING DEAD SPOT MEASURED IN SQUARE CENTIMETERS 2/

NAME	OK1
DENSITY	1013.3
LEGACY	926.0
NE 95-55	871.0
609	640.0
378	619.3
LSD VALUE	400.8
C.V. (%)	30.6

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 25A.

TURFGRASS COLOR RATINGS OF BUFFALOGRASS CULTIVARS
FOR EACH MONTH 1/
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	MEAN
NE 95-55	2.3	5.8	7.7	6.9	6.3	6.4	5.0	6.1
378	2.3	5.5	7.7	7.2	6.7	5.6	3.7	6.0
BISON	2.8	5.8	7.0	6.2	6.3	6.1	6.7	6.0
LEGACY	2.7	5.5	7.4	7.2	6.7	5.9	2.3	6.0
SWI-2000	2.3	5.8	6.8	6.3	6.4	5.9	4.0	5.7
609	2.2	5.5	7.0	6.7	5.9	5.4	5.0	5.6
BOWIE	2.5	5.7	6.3	6.3	6.2	5.4	3.0	5.5
TEXOKA	2.3	5.8	6.7	6.2	6.0	5.3	4.0	5.5
DENSITY	2.2	4.5	5.3	4.7	5.8	5.6	5.3	4.8
FRONTIER TURFALLO	1.8	4.0	5.3	4.9	6.0	5.4	6.0	4.8
LSD VALUE	1.6	3.7	1.1	1.2	2.8	3.3	2.9	1.0
C.V. (%)	34.3	34.0	17.7	19.4	23.9	30.7	32.1	15.8

TABLE 25B.

TURFGRASS COLOR RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
FOR EACH MONTH 1/
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	MEAN
BISON	2.8	5.8	7.0	6.2	6.3	6.1	6.7	6.0
SWI-2000	2.3	5.8	6.8	6.3	6.4	5.9	4.0	5.7
BOWIE	2.5	5.7	6.3	6.3	6.2	5.4	3.0	5.5
TEXOKA	2.3	5.8	6.7	6.2	6.0	5.3	4.0	5.5
FRONTIER TURFALLO	1.8	4.0	5.3	4.9	6.0	5.4	6.0	4.8
LSD VALUE	1.4	2.8	1.4	1.2	2.1	2.4	3.2	1.1
C.V. (%)	37.1	32.8	19.3	18.7	22.3	28.9	32.5	16.6

TABLE 25C.

TURFGRASS COLOR RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
FOR EACH MONTH 1/
2004 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	MEAN
NE 95-55	2.3	5.8	7.7	6.9	6.3	6.4	5.0	6.1
378	2.3	5.5	7.7	7.2	6.7	5.6	3.7	6.0
LEGACY	2.7	5.5	7.4	7.2	6.7	5.9	2.3	6.0
609	2.2	5.5	7.0	6.7	5.9	5.4	5.0	5.6
DENSITY	2.2	4.5	5.3	4.7	5.8	5.6	5.3	4.8
LSD VALUE	1.3	3.4	1.1	1.2	2.3	2.7	2.9	0.9
C.V. (%)	32.5	36.5	16.6	20.2	25.9	32.9	32.2	15.1

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 26A. PERCENT GRASSES RATINGS OF BUFFALOGRASS CULTIVARS 1/
AT STILLWATER, OK 2/
2004 DATA

NAME	BUFFALO GRASS	BERMUDA GRASS	CLOVER	OTHER GRASS
FRONTIER TURFALLO	93.7	4.3	0.0	1.3
DENSITY	90.0	9.0	0.0	1.0
BOWIE	86.7	12.0	0.0	1.0
TEXOKA	75.7	21.7	0.0	1.7
BISON	75.3	17.7	4.0	2.3
SWI-2000	75.3	21.7	1.7	1.0
378	67.0	25.3	8.3	1.0
LEGACY	63.0	33.3	2.7	1.0
NE 95-55	60.7	36.7	0.0	1.7
609	51.0	43.3	4.3	1.0
LSD VALUE	24.0	28.9	15.9	1.9
C.V. (%)	17.1	61.9	275.5	58.7

TABLE 26B. PERCENT GRASSES RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
AT STILLWATER, OK 2/
2004 DATA

NAME	BUFFALO GRASS	BERMUDA GRASS	CLOVER	OTHER GRASS
FRONTIER TURFALLO	93.7	4.3	0.0	1.3
BOWIE	86.7	12.0	0.0	1.0
TEXOKA	75.7	21.7	0.0	1.7
BISON	75.3	17.7	4.0	2.3
SWI-2000	75.3	21.7	1.7	1.0
LSD VALUE	32.7	33.7	7.0	2.0
C.V. (%)	17.5	93.1	268.6	60.3

TABLE 26C. PERCENT GRASSES RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
AT STILLWATER, OK 2/
2004 DATA

NAME	BUFFALO GRASS	BERMUDA GRASS	CLOVER	OTHER GRASS
DENSITY	90.0	9.0	0.0	1.0
378	67.0	25.3	8.3	1.0
LEGACY	63.0	33.3	2.7	1.0
NE 95-55	60.7	36.7	0.0	1.7
609	51.0	43.3	4.3	1.0
LSD VALUE	21.4	26.7	18.8	1.2
C.V. (%)	16.3	43.3	257.8	45.6

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BUFFALAGRASS CULTIVARS
 IN THE 2002 NATIONAL BUFFALAGRASS TEST */
 2004 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
378	5.3	12.5
609	5.0	12.5
BISON	5.3	25.0
BOWIE	5.6	25.0
DENSITY	5.4	25.0
FRONTIER TURFALLO	4.9	12.5
LEGACY	5.5	25.0
NE 95-55	5.5	37.5
SWI-2000	5.5	25.0
TEXOKA	4.7	12.5
LSD VALUE	0.3	
C.V. (%)	10.9	

*/ 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/ MAXIMUM IN TOP 25% - THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.