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 Evaluation Program.

CURRENT POLICY COMMITTEE MEMBERS:

Dr. Steve Johnson, DLF International Seeds
Mr. Steve Tubbs, Turf Merchants, Inc.
Dr. Jeff Nus, USGA Green Section
Dr. Michael Richardson, University of Arkansas
Dr. Bernd Leinauer, New Mexico State University
Mr. Warren Bell, Biograss Sod Farms
Dr. Clark Throssell, Golf Course Superintendents Assoc. of America
Dr. Brian Horgan, University of Minnesota
Mr. Duane Klundt, Scotts Turf-Seed, Inc.

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CONTENTS

2002 National Buffalograss Test - 2003-06 data

CONTENTS (continued)

CONTENTS (continued)

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 2003-06

State	Location	Code
Arizona	Tucson	AZ1
California	Riverside	CA3
Colorado	Ft. Collins	CO1
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	Tech Turf 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

* COMMERCIALLY AVAILABLE IN THE USA IN 2007.

TABLE A. 2003-06 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	TO PREVENT DORMANCY
CO1	SILTY CLAY AND CLAY	7.6-8.5	0-60	376-500	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	2.1-2.5	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	0-60	151-240	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
OK1	SANDY LOAM	6.6-7.0	0-60	241-375	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
TX1	SILTY CLAY AND CLAY	7.6-8.5	151-270	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UT1	SILT LOAM AND SILT	7.6-8.5	61-150	241-375	2.1-3.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS

TABLE B. LOCATIONS AND DATA COLLECTED IN 2003-06

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	X
CA3	X	X	X	X	X	X	X	X	X	X	X	X	X		X
CO1					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	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	X

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2003-06

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	SEEDHEAD RATINGS	POA ANNUA	MOWING QUALITY	DORMANT COLOR
AZ1	X	X	X	X	X	X		X	X	X	X	X			
CA3										X	X		X		
CO1	X	X	X	X	X	X		X	X	X					
KS1								X	X						X
NE1	X	X	X												
NM1				X	X	X	X	X	X	X	X				X
OK1		X		X	X	X	X			X	X				X
TX1	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 2003-06

LOCATION	ESTABLISH-MENT RATINGS	PERCENT ESTABLISHMENT AUGUST	SEPTEMBER	OCTOBER	SPURGE RATINGS	BROAD LEAF WEEDS	SCALPING RATINGS	DANDELION RATINGS	ARMADILLO DAMAGE	SPRING DEAD SPOT	PERCENT BUFFALO GRASS	PERCENT BERMUDA GRASS	PERCENT CLOVER	PERCENT OTHER GRASS
AZ1														
CA3					X	X	X	X	X					
CO1														
KS1		X	X	X										
NE1														
NM1														
OK1			X	X						X	X	X	X	X
TX1														
UT1	X													

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2003-06

LOCATION	COLOR JANUARY	COLOR FEBRUARY	COLOR MARCH	COLOR APRIL	COLOR MAY	COLOR JUNE	COLOR JULY	COLOR AUGUST	COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER
AZ1											
CA3											
CO1											
KS1				X	X	X	X	X	X	X	
NE1											
NM1	X	X	X	X	X	X	X	X	X	X	X
OK1					X	X	X	X	X	X	
TX1											
UT1			X	X	X	X	X	X	X	X	

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE TRANSITION REGION
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

	NAME	KS1	OK1	MEAN
*	DENSITY	5.3	5.8	5.5
*	BOWIE	5.5	5.5	5.5
*	TEXOKA	5.6	4.7	5.2
*	LEGACY	6.1	3.8	5.0
*	SWI-2000	5.9	3.9	4.9
*	TECH TURF 1 (FRONTIER TURFALLO)	4.6	5.2	4.9
*	378	5.3	4.5	4.9
	NE 95-55	5.4	4.0	4.7
*	BISON	5.2	4.1	4.6
*	609	4.8	4.0	4.4
	LSD VALUE	0.7	1.2	0.7
	C.V. (%)	7.9	19.4	13.2

TABLE 1B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE TRANSITION REGION
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	OK1	MEAN
BOWIE	5.5	5.5	5.5
TEXOKA	5.6	4.7	5.2
SWI-2000	5.9	3.9	4.9
TECH TURF 1 (FRONTIER TURFALLO)	4.6	5.2	4.9
BISON	5.2	4.1	4.6
LSD VALUE	0.8	1.3	0.8
C.V. (%)	8.9	19.8	14.5

TABLE 1C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE TRANSITION REGION
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	OK1	MEAN
DENSITY	5.3	5.8	5.5
LEGACY	6.1	3.8	5.0
378	5.3	4.5	4.9
NE 95-55	5.4	4.0	4.7
609	4.8	4.0	4.4
LSD VALUE	0.6	1.0	0.6
C.V. (%)	6.7	18.3	11.4

* COMMERCIALLY AVAILABLE IN THE USA IN 2007.
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 (SOUTHEAST REGION) 1/
2003-06 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
DENSITY	4.7	4.9	5.3	5.8	6.4	6.8	6.7	6.3	6.3	6.7	5.6	4.9	5.9
609	3.9	3.3	4.0	5.2	6.3	5.9	6.5	6.2	6.5	6.1	4.8	4.1	5.2
BOWIE	3.7	3.4	4.5	5.2	5.9	6.0	6.1	5.7	5.3	5.1	3.8	3.4	4.8
SWI-2000	3.8	3.7	4.7	5.1	5.7	5.6	5.9	5.4	5.6	4.8	3.9	3.5	4.8
LEGACY	3.4	3.3	4.3	5.6	6.5	5.8	6.3	5.3	5.2	4.7	3.8	3.4	4.8
TECH TURF 1 (FRONTIER TURFALLO)	3.7	3.3	4.0	4.3	5.6	5.6	5.5	5.0	5.3	5.4	4.3	3.7	4.6
BISON	3.6	3.3	4.2	5.0	5.5	5.6	5.2	5.3	5.2	5.1	4.2	3.5	4.6
378	3.5	3.0	3.9	4.8	6.1	5.5	6.3	5.5	5.2	4.7	3.7	3.4	4.6
NE 95-55	3.3	2.9	4.2	4.9	6.1	5.7	6.2	5.0	4.9	4.9	3.6	3.3	4.6
TEXOKA	3.3	3.0	3.6	4.3	5.5	5.6	5.6	5.2	4.8	5.4	4.1	3.3	4.5
LSD VALUE	0.7	0.7	0.9	0.8	0.8	0.7	0.9	0.8	0.9	0.7	0.7	0.5	0.5
C.V. (%)	24.1	25.2	27.0	20.0	16.7	14.6	17.9	18.7	20.7	15.6	21.4	18.5	11.8

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS FOR EACH MONTH GROWN AT DALLAS, TX (SOUTHEAST REGION) 1/
2003-06 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
BOWIE	3.7	3.4	4.5	5.2	5.9	6.0	6.1	5.7	5.3	5.1	3.8	3.4	4.8
SWI-2000	3.8	3.7	4.7	5.1	5.7	5.6	5.9	5.4	5.6	4.8	3.9	3.5	4.8
TECH TURF 1 (FRONTIER TURFALLO)	3.7	3.3	4.0	4.3	5.6	5.6	5.5	5.0	5.3	5.4	4.3	3.7	4.6
BISON	3.6	3.3	4.2	5.0	5.5	5.6	5.2	5.3	5.2	5.1	4.2	3.5	4.6
TEXOKA	3.3	3.0	3.6	4.3	5.5	5.6	5.6	5.2	4.8	5.4	4.1	3.3	4.5
LSD VALUE	0.6	0.7	0.8	0.7	0.7	0.6	0.7	0.7	0.9	0.7	0.8	0.5	0.4
C.V. (%)	21.9	24.4	22.8	17.8	14.9	13.0	16.4	16.8	21.1	15.9	23.9	16.4	10.9

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS FOR EACH MONTH GROWN AT DALLAS, TX (SOUTHEAST REGION) 1/
2003-06 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
DENSITY	4.7	4.9	5.3	5.8	6.4	6.8	6.7	6.3	6.3	6.7	5.6	4.9	5.9
609	3.9	3.3	4.0	5.2	6.3	5.9	6.5	6.2	6.5	6.1	4.8	4.1	5.2
LEGACY	3.4	3.3	4.3	5.6	6.5	5.8	6.3	5.3	5.2	4.7	3.8	3.4	4.8
378	3.5	3.0	3.9	4.8	6.1	5.5	6.3	5.5	5.2	4.7	3.7	3.4	4.6
NE 95-55	3.3	2.9	4.2	4.9	6.1	5.7	6.2	5.0	4.9	4.9	3.6	3.3	4.6
LSD VALUE	0.8	0.7	1.1	0.9	0.9	0.8	1.0	0.9	0.9	0.7	0.7	0.6	0.5
C.V. (%)	25.9	25.9	30.4	21.7	18.0	16.0	18.9	20.2	20.4	15.4	19.0	20.0	12.5

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 3A. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS FOR EACH MONTH GROWN AT MEAD, NE (NORTH CENTRAL REGION) 1/
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
LEGACY	5.7	6.8	8.0	7.6	7.7	6.2	4.7	5.3	6.7
NE 95-55	6.3	7.3	7.3	7.0	7.8	5.4	4.4	5.7	6.4
378	4.7	6.9	7.8	7.0	7.4	5.3	4.1	3.3	6.3
BOWIE	5.7	6.8	7.3	6.8	6.3	4.8	4.3	5.0	6.0
SWI-2000	6.0	6.7	6.9	6.6	5.9	5.3	4.1	5.7	5.8
BISON	5.7	5.2	6.3	5.8	6.1	4.5	3.3	2.7	5.1
TEXOKA	5.0	5.3	5.8	5.3	5.3	4.4	3.1	2.0	4.8
609	2.0	2.3	3.6	4.6	4.3	5.2	4.8	6.0	4.1
DENSITY	1.7	3.1	3.8	4.0	4.5	4.8	4.7	7.0	4.1
TECH TURF 1 (FRONTIER TURFALLO)	2.7	1.9	3.5	3.7	3.3	3.4	3.2	4.0	3.1
LSD VALUE	0.8	1.1	0.9	0.9	1.1	1.3	1.3	0.7	0.7
C.V. (%)	10.7	22.1	18.6	18.3	22.7	33.9	39.9	8.7	17.5

TABLE 3B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS (SEEDED) FOR EACH MONTH GROWN AT MEAD, NE (NORTH CENTRAL REGION) 1/
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
BOWIE	5.7	6.8	7.3	6.8	6.3	4.8	4.3	5.0	6.0
SWI-2000	6.0	6.7	6.9	6.6	5.9	5.3	4.1	5.7	5.8
BISON	5.7	5.2	6.3	5.8	6.1	4.5	3.3	2.7	5.1
TEXOKA	5.0	5.3	5.8	5.3	5.3	4.4	3.1	2.0	4.8
TECH TURF 1 (FRONTIER TURFALLO)	2.7	1.9	3.5	3.7	3.3	3.4	3.2	4.0	3.1
LSD VALUE	0.7	1.2	0.9	0.8	0.9	1.1	1.1	0.6	0.6
C.V. (%)	8.9	24.0	18.6	17.5	21.8	30.5	36.5	9.4	14.9

TABLE 3C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS (VEGETATIVE) FOR EACH MONTH GROWN AT MEAD, NE (NORTH CENTRAL REGION) 1/
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
LEGACY	5.7	6.8	8.0	7.6	7.7	6.2	4.7	5.3	6.7
NE 95-55	6.3	7.3	7.3	7.0	7.8	5.4	4.4	5.7	6.4
378	4.7	6.9	7.8	7.0	7.4	5.3	4.1	3.3	6.3
609	2.0	2.3	3.6	4.6	4.3	5.2	4.8	6.0	4.1
DENSITY	1.7	3.1	3.8	4.0	4.5	4.8	4.7	7.0	4.1
LSD VALUE	0.8	1.0	0.9	0.9	1.2	1.5	1.5	0.7	0.9
C.V. (%)	12.7	20.1	18.6	18.9	23.3	35.9	41.5	8.2	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 4A. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE WEST/MOUNTAIN REGION
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CO1	UT1	MEAN
BISON	5.1	4.7	4.8
SWI-2000	5.1	4.8	4.8
LEGACY	5.9	4.6	4.6
BOWIE	5.2	4.5	4.5
378	6.1	4.3	4.5
TECH TURF 1 (FRONTIER TURFALLO)	4.9	4.1	4.2
DENSITY	3.1	4.1	4.0
NE 95-55	5.1	3.6	3.8
609	2.1	2.8	2.8
TEXOKA	4.8	2.0	2.3
LSD VALUE	0.4	1.0	0.9
C.V. (%)	4.6	16.0	14.9

TABLE 4B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE WEST/MOUNTAIN REGION
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CO1	UT1	MEAN
BISON	5.1	4.7	4.8
SWI-2000	5.1	4.8	4.8
BOWIE	5.2	4.5	4.5
TECH TURF 1 (FRONTIER TURFALLO)	4.9	4.1	4.2
TEXOKA	4.8	2.0	2.3
LSD VALUE	0.3	0.8	0.7
C.V. (%)	3.8	12.8	11.7

TABLE 4C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE WEST/MOUNTAIN REGION
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CO1	UT1	MEAN
LEGACY	5.9	4.6	4.6
378	6.1	4.3	4.5
DENSITY	3.1	4.1	4.0
NE 95-55	5.1	3.6	3.8
609	2.1	2.8	2.8
LSD VALUE	0.4	1.2	1.0
C.V. (%)	5.5	18.2	17.1

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
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	CA3	NM1	MEAN
DENSITY	6.5	4.1	5.2	5.4
BOWIE	6.5	3.7	5.3	5.3
TECH TURF 1 (FRONTIER TURFALLO)	6.1	4.0	5.3	5.3
SWI-2000	6.3	3.6	5.0	5.1
NE 95-55	6.2	4.1	5.0	5.1
BISON	6.3	3.5	5.1	5.1
609	6.1	3.8	5.1	5.1
LEGACY	5.8	3.7	5.1	5.0
378	5.8	3.9	5.0	5.0
TEXOKA	5.4	3.6	5.3	4.8
LSD VALUE	1.7	0.8	0.4	0.7
C.V. (%)	16.9	13.7	5.5	13.6

TABLE 5B. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE SOUTHWEST REGION
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	CA3	NM1	MEAN
BOWIE	6.5	3.7	5.3	5.3
TECH TURF 1 (FRONTIER TURFALLO)	6.1	4.0	5.3	5.3
SWI-2000	6.3	3.6	5.0	5.1
BISON	6.3	3.5	5.1	5.1
TEXOKA	5.4	3.6	5.3	4.8
LSD VALUE	1.6	0.8	0.4	0.7
C.V. (%)	16.3	14.4	4.9	13.3

TABLE 5C. MEAN TURFGRASS QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE SOUTHWEST REGION
2003-06 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	CA3	NM1	MEAN
DENSITY	6.5	4.1	5.2	5.4
NE 95-55	6.2	4.1	5.0	5.1
609	6.1	3.8	5.1	5.1
LEGACY	5.8	3.7	5.1	5.0
378	5.8	3.9	5.0	5.0
LSD VALUE	1.8	0.8	0.5	0.7
C.V. (%)	17.5	13.0	6.0	14.0

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 6A. GENETIC COLOR RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	CO1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
NE 95-55	6.8	7.3	7.3	6.9	8.8	7.1	8.1	6.8	7.0	7.2
LEGACY	6.7	7.4	6.7	7.3	8.5	6.7	8.0	7.1	7.0	7.2
BISON	7.2	6.9	6.3	7.0	7.5	7.6	7.8	6.6	6.0	7.0
378	6.4	7.0	7.0	7.1	7.2	6.9	8.2	6.2	7.2	6.9
609	6.0	6.8	6.0	6.6	7.8	7.1	7.7	7.1	5.8	6.7
BOWIE	6.1	6.7	6.7	6.6	7.3	7.0	7.3	6.3	5.3	6.5
SWI-2000	6.3	6.7	6.0	6.7	7.0	6.9	7.6	5.8	5.6	6.5
TEXOKA	6.1	6.7	5.7	6.6	6.5	7.2	7.7	5.8	5.8	6.4
TECH TURF 1 (FRONTIER TURFALLO)	5.3	5.8	5.3	5.9	5.3	6.8	6.7	4.8	3.9	5.5
DENSITY	4.8	5.9	5.0	5.0	4.8	6.9	7.1	5.7	3.5	5.4
LSD VALUE	1.2	0.8	0.7	0.6	0.7	1.4	0.6	1.5	1.2	0.4
C.V. (%)	11.4	7.1	7.2	5.7	6.6	12.9	5.0	15.6	13.3	10.6

TABLE 6B. GENETIC COLOR RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	CO1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
BISON	7.2	6.9	6.3	7.0	7.5	7.6	7.8	6.6	6.0	7.0
BOWIE	6.1	6.7	6.7	6.6	7.3	7.0	7.3	6.3	5.3	6.5
SWI-2000	6.3	6.7	6.0	6.7	7.0	6.9	7.6	5.8	5.6	6.5
TEXOKA	6.1	6.7	5.7	6.6	6.5	7.2	7.7	5.8	5.8	6.4
TECH TURF 1 (FRONTIER TURFALLO)	5.3	5.8	5.3	5.9	5.3	6.8	6.7	4.8	3.9	5.5
LSD VALUE	1.2	0.7	0.8	0.7	0.7	1.4	0.4	1.4	1.1	0.4
C.V. (%)	12.0	6.7	8.6	6.7	6.6	13.2	3.2	15.6	13.0	10.9

TABLE 6C. GENETIC COLOR RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	CO1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
NE 95-55	6.8	7.3	7.3	6.9	8.8	7.1	8.1	6.8	7.0	7.2
LEGACY	6.7	7.4	6.7	7.3	8.5	6.7	8.0	7.1	7.0	7.2
378	6.4	7.0	7.0	7.1	7.2	6.9	8.2	6.2	7.2	6.9
609	6.0	6.8	6.0	6.6	7.8	7.1	7.7	7.1	5.8	6.7
DENSITY	4.8	5.9	5.0	5.0	4.8	6.9	7.1	5.7	3.5	5.4
LSD VALUE	1.1	0.8	0.6	0.5	0.8	1.3	0.6	1.5	1.3	0.4
C.V. (%)	10.7	7.3	5.7	4.4	6.5	12.4	5.1	15.5	13.5	10.3

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 7A. SPRING GREENUP RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
NE 95-55	6.4	4.3	5.8	6.0	4.0	5.2	6.0	4.3	5.3
BISON	6.3	4.7	5.1	5.8	4.6	4.9	6.0	4.5	5.3
BOWIE	5.5	5.0	5.1	5.1	4.2	5.2	6.3	4.4	5.2
TEXOKA	5.7	4.0	5.3	5.4	4.0	5.1	5.6	4.1	5.0
SWI-2000	5.2	4.7	5.2	5.4	3.7	5.0	5.8	4.4	5.0
LEGACY	5.9	3.3	5.6	5.2	3.9	5.2	5.0	3.8	4.9
378	6.2	3.7	5.0	4.2	3.2	5.4	5.2	3.3	4.6
609	5.6	1.0	4.2	3.2	2.4	4.9	5.5	4.2	4.3
DENSITY	4.5	1.7	3.1	3.0	3.2	5.1	5.9	3.8	4.1
TECH TURF 1 (FRONTIER TURFALLO)	5.2	2.7	2.8	2.7	3.9	2.7	4.8	3.1	3.7
LSD VALUE	1.6	0.8	1.2	1.3	1.7	1.1	1.4	1.3	0.6
C.V. (%)	16.7	13.8	15.6	18.4	32.2	18.7	16.8	20.8	18.8

TABLE 7B. SPRING GREENUP RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
BISON	6.3	4.7	5.1	5.8	4.6	4.9	6.0	4.5	5.3
BOWIE	5.5	5.0	5.1	5.1	4.2	5.2	6.3	4.4	5.2
TEXOKA	5.7	4.0	5.3	5.4	4.0	5.1	5.6	4.1	5.0
SWI-2000	5.2	4.7	5.2	5.4	3.7	5.0	5.8	4.4	5.0
TECH TURF 1 (FRONTIER TURFALLO)	5.2	2.7	2.8	2.7	3.9	2.7	4.8	3.1	3.7
LSD VALUE	1.6	0.7	1.0	1.5	1.5	1.2	1.0	1.2	0.6
C.V. (%)	17.3	10.6	13.3	19.6	31.8	19.2	11.4	19.3	18.2

TABLE 7C. SPRING GREENUP RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	KS1	NE1	NM1	OK1	TX1	UT1	MEAN
NE 95-55	6.4	4.3	5.8	6.0	4.0	5.2	6.0	4.3	5.3
LEGACY	5.9	3.3	5.6	5.2	3.9	5.2	5.0	3.8	4.9
378	6.2	3.7	5.0	4.2	3.2	5.4	5.2	3.3	4.6
609	5.6	1.0	4.2	3.2	2.4	4.9	5.5	4.2	4.3
DENSITY	4.5	1.7	3.1	3.0	3.2	5.1	5.9	3.8	4.1
LSD VALUE	1.5	0.8	1.3	1.1	1.5	0.7	1.7	1.3	0.6
C.V. (%)	15.3	18.4	17.4	16.1	28.8	16.9	21.1	22.1	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. LEAF TEXTURE RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	CO1	KS1	NM1	OK1	TX1	UT1	MEAN
DENSITY	7.1	8.0	8.0	7.7	6.7	8.3	7.6	7.1	7.4
LEGACY	7.5	7.3	7.7	8.1	7.1	6.7	7.1	7.1	7.3
378	7.2	7.0	8.0	8.0	7.3	7.3	6.6	7.1	7.3
TECH TURF 1 (FRONTIER TURFALLO)	6.5	7.0	8.0	7.3	7.5	7.7	7.0	7.5	7.3
609	6.8	7.0	7.7	7.8	7.1	7.9	6.8	6.5	7.1
SWI-2000	6.6	7.0	8.0	7.9	6.9	6.8	6.3	6.7	6.9
BOWIE	6.3	7.0	7.3	7.9	7.4	6.8	6.6	6.1	6.8
TEXOKA	6.1	7.0	7.3	7.9	7.3	6.4	6.2	5.8	6.6
NE 95-55	6.2	7.0	7.7	7.4	6.8	6.7	6.5	5.9	6.6
BISON	6.3	7.0	7.7	7.4	6.5	6.3	6.0	6.0	6.5
LSD VALUE	1.2	0.3	0.7	0.5	1.7	0.4	0.7	0.9	0.4
C.V. (%)	10.6	2.6	5.8	4.0	15.3	3.8	6.6	8.8	9.2

TABLE 8B. LEAF TEXTURE RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	CO1	KS1	NM1	OK1	TX1	UT1	MEAN
TECH TURF 1 (FRONTIER TURFALLO)	6.5	7	8.0	7.3	7.5	7.7	7.0	7.5	7.3
SWI-2000	6.6	7	8.0	7.9	6.9	6.8	6.3	6.7	6.9
BOWIE	6.3	7	7.3	7.9	7.4	6.8	6.6	6.1	6.8
TEXOKA	6.1	7	7.3	7.9	7.3	6.4	6.2	5.8	6.6
BISON	6.3	7	7.7	7.4	6.5	6.3	6.0	6.0	6.5
LSD VALUE	1.2	0	0.7	0.4	1.3	0.5	0.7	0.8	0.4
C.V. (%)	11.9	0	5.8	3.0	11.7	4.4	7.1	7.8	8.7

TABLE 8C. LEAF TEXTURE RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	CO1	KS1	NM1	OK1	TX1	UT1	MEAN
DENSITY	7.1	8.0	8.0	7.7	6.7	8.3	7.6	7.1	7.4
LEGACY	7.5	7.3	7.7	8.1	7.1	6.7	7.1	7.1	7.3
378	7.2	7.0	8.0	8.0	7.3	7.3	6.6	7.1	7.3
609	6.8	7.0	7.7	7.8	7.1	7.9	6.8	6.5	7.1
NE 95-55	6.2	7.0	7.7	7.4	6.8	6.7	6.5	5.9	6.6
LSD VALUE	1.1	0.4	0.7	0.5	2.0	0.1	0.6	1.0	0.4
C.V. (%)	9.4	3.6	5.7	3.8	18.4	1.2	5.7	9.7	9.5

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/
2003-06 DATA

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

NAME	AZ1	CO1	NE1	TX1	MEAN
LEGACY	6.9	7.3	8.7	6.5	7.1
378	6.9	8.0	8.8	5.7	6.9
NE 95-55	6.2	7.3	8.9	6.1	6.9
SWI-2000	6.2	6.3	8.8	5.9	6.8
BOWIE	6.3	6.3	8.6	6.1	6.8
BISON	5.2	6.3	8.0	5.8	6.3
DENSITY	7.2	2.3	5.6	6.9	6.2
TEXOKA	5.2	6.0	8.1	4.9	5.9
609	6.4	2.3	4.7	6.1	5.5
TECH TURF 1 (FRONTIER TURFALLO)	6.3	4.3	2.7	5.2	4.8
LSD VALUE	1.7	0.8	1.0	1.7	1.0
C.V. (%)	16.1	9.1	8.5	17.5	14.8

TABLE 9B. SPRING DENSITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	NE1	TX1	MEAN
SWI-2000	6.2	6.3	8.8	5.9	6.8
BOWIE	6.3	6.3	8.6	6.1	6.8
BISON	5.2	6.3	8.0	5.8	6.3
TEXOKA	5.2	6.0	8.1	4.9	5.9
TECH TURF 1 (FRONTIER TURFALLO)	6.3	4.3	2.7	5.2	4.8
LSD VALUE	1.3	0.8	0.9	1.6	0.8
C.V. (%)	13.7	8.8	7.9	17.7	13.4

TABLE 9C. SPRING DENSITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	NE1	TX1	MEAN
LEGACY	6.9	7.3	8.7	6.5	7.1
378	6.9	8.0	8.8	5.7	6.9
NE 95-55	6.2	7.3	8.9	6.1	6.9
DENSITY	7.2	2.3	5.6	6.9	6.2
609	6.4	2.3	4.7	6.1	5.5
LSD VALUE	2.1	0.8	1.1	1.7	1.1
C.V. (%)	17.5	9.4	9.1	17.3	15.8

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 10A. SUMMER DENSITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	NE1	OK1	TX1	UT1	MEAN
DENSITY	7.4	3.3	6.4	9.0	7.6	6.0	7.3
SWI-2000	6.8	7.0	8.8	6.3	7.3	5.3	7.3
378	6.5	8.3	8.7	6.9	7.3	4.0	7.2
LEGACY	7.0	8.0	8.9	7.1	6.7	3.7	7.2
BOWIE	6.5	7.7	8.9	5.9	7.1	5.3	7.1
NE 95-55	6.8	8.0	8.7	6.4	7.0	2.7	7.1
609	6.6	3.7	6.8	7.7	6.9	2.7	6.6
TECH TURF 1 (FRONTIER TURFALLO)	6.3	8.0	6.5	5.8	7.0	4.3	6.5
BISON	5.9	8.0	8.6	4.6	6.4	4.7	6.5
TEXOKA	5.9	7.3	8.1	5.0	6.8	1.0	6.4
LSD VALUE	2.0	0.7	1.1	1.0	1.3	1.5	0.7
C.V. (%)	17.8	5.9	8.5	9.9	12.0	23.0	12.9

TABLE 10B. SUMMER DENSITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	NE1	OK1	TX1	UT1	MEAN
SWI-2000	6.8	7.0	8.8	6.3	7.3	5.3	7.3
BOWIE	6.5	7.7	8.9	5.9	7.1	5.3	7.1
TECH TURF 1 (FRONTIER TURFALLO)	6.3	8.0	6.5	5.8	7.0	4.3	6.5
BISON	5.9	8.0	8.6	4.6	6.4	4.7	6.5
TEXOKA	5.9	7.3	8.1	5.0	6.8	1.0	6.4
LSD VALUE	1.9	0.6	0.8	1.1	1.3	1.3	0.7
C.V. (%)	17.6	4.8	6.1	13.2	11.9	19.8	12.8

TABLE 10C. SUMMER DENSITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	NE1	OK1	TX1	UT1	MEAN
DENSITY	7.4	3.3	6.4	9.0	7.6	6.0	7.3
378	6.5	8.3	8.7	6.9	7.3	4.0	7.2
LEGACY	7.0	8.0	8.9	7.1	6.7	3.7	7.2
NE 95-55	6.8	8.0	8.7	6.4	7.0	2.7	7.1
609	6.6	3.7	6.8	7.7	6.9	2.7	6.6
LSD VALUE	2.1	0.7	1.3	0.9	1.3	1.6	0.7
C.V. (%)	17.5	7.1	10.4	7.3	11.7	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 11A. FALL DENSITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	NE1	TX1	MEAN
NE 95-55	6.5	9.0	8.2	7.2	7.4
LEGACY	6.9	9.0	7.9	7.1	7.4
378	6.6	9.0	8.0	6.9	7.3
BOWIE	6.6	9.0	7.5	6.9	7.2
SWI-2000	6.4	8.0	7.7	7.1	7.1
DENSITY	7.2	6.7	6.4	7.8	7.1
609	6.7	6.7	6.7	7.3	6.9
TEXOKA	6.2	8.7	6.7	7.3	6.8
BISON	6.1	9.0	7.2	6.8	6.8
TECH TURF 1 (FRONTIER TURFALLO)	6.1	9.0	5.3	7.2	6.4
LSD VALUE	2.1	0.5	1.0	1.1	0.8
C.V. (%)	19.1	3.8	8.8	9.9	12.6

TABLE 11B. FALL DENSITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	NE1	TX1	MEAN
BOWIE	6.6	9.0	7.5	6.9	7.2
SWI-2000	6.4	8.0	7.7	7.1	7.1
TEXOKA	6.2	8.7	6.7	7.3	6.8
BISON	6.1	9.0	7.2	6.8	6.8
TECH TURF 1 (FRONTIER TURFALLO)	6.1	9.0	5.3	7.2	6.4
LSD VALUE	1.9	0.4	0.9	1.1	0.8
C.V. (%)	18.7	3.0	8.6	9.8	12.4

TABLE 11C. FALL DENSITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	NE1	TX1	MEAN
NE 95-55	6.5	9.0	8.2	7.2	7.4
LEGACY	6.9	9.0	7.9	7.1	7.4
378	6.6	9.0	8.0	6.9	7.3
DENSITY	7.2	6.7	6.4	7.8	7.1
609	6.7	6.7	6.7	7.3	6.9
LSD VALUE	2.2	0.6	1.0	1.1	0.8
C.V. (%)	19.1	4.5	8.7	9.9	12.7

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 12A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	CO1	NM1	OK1	TX1	UT1	MEAN
BOWIE	72.2	95.0	38.3	94.8	70.0	76.3	83.4
SWI-2000	75.6	83.3	39.3	81.9	76.7	77.4	80.5
LEGACY	77.2	93.3	23.3	75.7	73.3	76.2	79.0
BISON	70.6	95.0	36.7	79.4	66.7	72.1	77.2
TECH TURF 1 (FRONTIER TURFALLO)	46.1	81.7	31.7	87.3	73.3	73.2	71.4
378	66.9	96.3	11.7	77.3	30.0	68.8	71.3
DENSITY	45.0	25.0	28.3	93.4	83.3	74.2	69.2
NE 95-55	68.3	68.3	20.0	77.2	46.7	57.8	67.3
TEXOKA	64.4	95.0	26.7	89.4	16.7	33.3	59.8
609	56.9	6.7	11.7	72.4	50.0	45.6	48.6
LSD VALUE	15.2	6.2	7.7	11.8	17.1	14.2	10.2
C.V. (%)	14.3	5.2	17.8	12.4	18.1	13.7	13.9

TABLE 12B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	CO1	NM1	OK1	TX1	UT1	MEAN
BOWIE	72.2	95.0	38.3	94.8	70.0	76.3	83.4
SWI-2000	75.6	83.3	39.3	81.9	76.7	77.4	80.5
BISON	70.6	95.0	36.7	79.4	66.7	72.1	77.2
TECH TURF 1 (FRONTIER TURFALLO)	46.1	81.7	31.7	87.3	73.3	73.2	71.4
TEXOKA	64.4	95.0	26.7	89.4	16.7	33.3	59.8
LSD VALUE	14.4	4.6	9.4	11.1	18.1	10.2	7.6
C.V. (%)	13.1	3.2	16.9	10.2	18.6	11.1	10.9

TABLE 12C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	CO1	NM1	OK1	TX1	UT1	MEAN
LEGACY	77.2	93.3	23.3	75.7	73.3	76.2	79.0
378	66.9	96.3	11.7	77.3	30.0	68.8	71.3
DENSITY	45.0	25.0	28.3	93.4	83.3	74.2	69.2
NE 95-55	68.3	68.3	20.0	77.2	46.7	57.8	67.3
609	56.9	6.7	11.7	72.4	50.0	45.6	48.6
LSD VALUE	14.7	7.4	5.5	12.3	16.1	16.5	11.9
C.V. (%)	14.9	7.9	18.0	15.3	17.6	14.9	16.3

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 13A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	CO1	NM1	OK1	TX1	UT1	MEAN
TECH TURF 1 (FRONTIER TURFALLO)	70.6	96.3	56.7	78.0	99.0	87.4	78.8
BOWIE	76.8	97.7	0.0	76.8	99.0	91.7	78.6
DENSITY	79.5	41.7	46.7	82.1	99.0	72.9	75.5
378	71.8	97.7	55.0	54.7	89.7	89.4	71.8
BISON	73.3	97.7	46.7	54.7	99.0	87.4	71.7
LEGACY	74.3	97.7	65.0	48.1	99.0	90.6	71.6
SWI-2000	76.5	88.3	28.3	49.7	99.0	90.7	70.0
TEXOKA	65.8	96.3	20.0	66.8	96.0	57.4	66.1
NE 95-55	68.9	83.3	40.0	48.2	96.0	71.9	63.9
609	71.7	23.3	13.3	41.7	96.0	56.4	52.4
LSD VALUE	20.0	4.1	55.2	24.6	6.7	20.8	13.3
C.V. (%)	16.5	3.1	92.3	34.1	4.3	17.5	22.1

TABLE 13B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	CO1	NM1	OK1	TX1	UT1	MEAN
TECH TURF 1 (FRONTIER TURFALLO)	70.6	96.3	56.7	78.0	99.0	87.4	78.8
BOWIE	76.8	97.7	0.0	76.8	99.0	91.7	78.6
BISON	73.3	97.7	46.7	54.7	99.0	87.4	71.7
SWI-2000	76.5	88.3	28.3	49.7	99.0	90.7	70.0
TEXOKA	65.8	96.3	20.0	66.8	96.0	57.4	66.1
LSD VALUE	15.4	3.9	63.8	26.7	3.7	9.3	13.1
C.V. (%)	12.9	2.6	130.8	31.5	2.4	8.1	20.9

TABLE 13C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	CO1	NM1	OK1	TX1	UT1	MEAN
DENSITY	79.5	41.7	46.7	82.1	99.0	72.9	75.5
378	71.8	97.7	55.0	54.7	89.7	89.4	71.8
LEGACY	74.3	97.7	65.0	48.1	99.0	90.6	71.6
NE 95-55	68.9	83.3	40.0	48.2	96.0	71.9	63.9
609	71.7	23.3	13.3	41.7	96.0	56.4	52.4
LSD VALUE	23.9	4.3	44.9	22.0	8.6	27.1	13.4
C.V. (%)	19.4	3.9	63.4	37.3	5.6	24.1	23.1

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 14A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	CO1	NM1	OK1	UT1	MEAN
DENSITY	62.2	55.0	33.0	84.3	93.0	68.4
TECH TURF 1 (FRONTIER TURFALLO)	54.4	99.0	33.0	86.3	86.3	67.0
BISON	49.7	97.7	91.7	61.7	92.8	60.0
BOWIE	43.8	99.0	31.7	83.7	91.2	58.2
609	63.1	36.7	63.3	48.6	56.7	54.6
378	42.7	99.0	64.7	61.7	83.0	54.2
SWI-2000	53.3	96.3	0.0	56.8	92.8	51.9
LEGACY	53.5	99.0	0.0	50.7	96.0	50.8
TEXOKA	51.7	97.7	31.7	71.4	43.3	49.6
NE 95-55	44.2	91.7	28.3	51.3	66.7	45.2
LSD VALUE	22.8	5.9	73.9	24.5	16.2	20.0
C.V. (%)	43.7	4.2	121.8	28.1	12.5	44.8

TABLE 14B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	CO1	NM1	OK1	UT1	MEAN
TECH TURF 1 (FRONTIER TURFALLO)	54.4	99.0	33.0	86.3	86.3	67.0
BISON	49.7	97.7	91.7	61.7	92.8	60.0
BOWIE	43.8	99.0	31.7	83.7	91.2	58.2
SWI-2000	53.3	96.3	0.0	56.8	92.8	51.9
TEXOKA	51.7	97.7	31.7	71.4	43.3	49.6
LSD VALUE	18.5	2.9	69.3	25.7	10.8	16.1
C.V. (%)	35.2	1.8	114.7	25.4	8.3	36.7

TABLE 14C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	CO1	NM1	OK1	UT1	MEAN
DENSITY	62.2	55.0	33.0	84.3	93.0	68.4
609	63.1	36.7	63.3	48.6	56.7	54.6
378	42.7	99.0	64.7	61.7	83.0	54.2
LEGACY	53.5	99.0	0.0	50.7	96.0	50.8
NE 95-55	44.2	91.7	28.3	51.3	66.7	45.2
LSD VALUE	25.0	7.8	78.2	22.8	20.2	22.4
C.V. (%)	42.7	6.3	128.4	31.4	15.8	45.7

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 15A. WINTER COLOR RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	NM1	OK1	MEAN
TECH TURF 1 (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/
2003-06 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	NM1	OK1	MEAN
TECH TURF 1 (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/
2003-06 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

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.

3/ WINTER COLOR RATED IN 2004 ONLY.

TABLE 16A. FALL COLOR (SEPTEMBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	KS1	NM1	TX1	UT1	MEAN
609	6.4	7.3	6.8	6.3	7.4	6.0	6.7
DENSITY	5.4	7.0	7.2	6.0	6.8	5.8	6.2
BISON	7.7	5.3	5.3	5.8	6.0	4.9	5.9
TECH TURF 1 (FRONTIER TURFALLO)	5.2	7.0	4.6	5.7	6.3	5.4	5.6
NE 95-55	7.0	5.3	4.7	6.2	5.5	4.9	5.6
TEXOKA	6.1	5.0	5.2	6.3	5.8	4.6	5.5
SWI-2000	6.4	4.7	5.0	5.7	5.6	4.1	5.3
BOWIE	6.8	4.7	4.8	6.3	5.5	3.3	5.3
378	6.8	5.3	3.8	5.7	5.6	3.2	5.1
LEGACY	6.3	5.7	5.2	5.3	5.6	2.7	5.0
LSD VALUE	1.8	0.8	1.2	1.3	1.2	1.6	0.7
C.V. (%)	16.0	8.4	13.9	14.1	12.1	23.2	15.3

TABLE 16B. FALL COLOR (SEPTEMBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	KS1	NM1	TX1	UT1	MEAN
BISON	7.7	5.3	5.3	5.8	6.0	4.9	5.9
TECH TURF 1 (FRONTIER TURFALLO)	5.2	7.0	4.6	5.7	6.3	5.4	5.6
TEXOKA	6.1	5.0	5.2	6.3	5.8	4.6	5.5
SWI-2000	6.4	4.7	5.0	5.7	5.6	4.1	5.3
BOWIE	6.8	4.7	4.8	6.3	5.5	3.3	5.3
LSD VALUE	1.4	0.7	1.3	1.5	1.0	1.6	0.7
C.V. (%)	13.0	8.4	15.0	16.0	10.7	22.9	14.5

TABLE 16C. FALL COLOR (SEPTEMBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	KS1	NM1	TX1	UT1	MEAN
609	6.4	7.3	6.8	6.3	7.4	6.0	6.7
DENSITY	5.4	7.0	7.2	6.0	6.8	5.8	6.2
NE 95-55	7.0	5.3	4.7	6.2	5.5	4.9	5.6
378	6.8	5.3	3.8	5.7	5.6	3.2	5.1
LEGACY	6.3	5.7	5.2	5.3	5.6	2.7	5.0
LSD VALUE	2.1	0.8	1.1	1.1	1.3	1.6	0.8
C.V. (%)	18.8	8.4	12.0	11.5	13.1	23.3	15.9

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. FALL COLOR (OCTOBER) RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	KS1	NM1	TX1	UT1	MEAN
609	5.5	1.7	5.6	4.0	7.6	6.2	5.6
DENSITY	4.4	2.0	6.6	4.0	6.8	5.5	5.3
TECH TURF 1 (FRONTIER TURFALLO)	4.4	2.0	5.1	4.7	6.4	5.0	5.0
BISON	4.7	1.0	4.4	4.9	5.2	3.3	4.3
TEXOKA	3.8	1.0	4.7	4.9	5.7	3.0	4.1
NE 95-55	4.0	1.0	3.3	5.2	4.7	2.4	3.7
LEGACY	4.3	1.0	3.9	5.0	4.6	2.0	3.6
BOWIE	4.0	1.0	3.4	5.0	5.2	1.7	3.5
SWI-2000	3.8	1.0	3.9	4.1	5.0	2.2	3.5
378	4.2	1.0	2.6	4.8	4.1	1.4	3.1
LSD VALUE	1.1	0.3	1.4	1.9	1.2	1.4	0.7
C.V. (%)	17.3	14.4	20.0	27.2	13.4	27.3	21.2

TABLE 17B. FALL COLOR (OCTOBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	KS1	NM1	TX1	UT1	MEAN
TECH TURF 1 (FRONTIER TURFALLO)	4.4	2	5.1	4.7	6.4	5.0	5.0
BISON	4.7	1	4.4	4.9	5.2	3.3	4.3
TEXOKA	3.8	1	4.7	4.9	5.7	3.0	4.1
BOWIE	4.0	1	3.4	5.0	5.2	1.7	3.5
SWI-2000	3.8	1	3.9	4.1	5.0	2.2	3.5
LSD VALUE	0.8	0	1.2	2.3	1.3	1.1	0.7
C.V. (%)	13.9	0	18.3	31.5	14.2	24.6	20.5

TABLE 17C. FALL COLOR (OCTOBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CO1	KS1	NM1	TX1	UT1	MEAN
609	5.5	1.7	5.6	4.0	7.6	6.2	5.6
DENSITY	4.4	2.0	6.6	4.0	6.8	5.5	5.3
NE 95-55	4.0	1.0	3.3	5.2	4.7	2.4	3.7
LEGACY	4.3	1.0	3.9	5.0	4.6	2.0	3.6
378	4.2	1.0	2.6	4.8	4.1	1.4	3.1
LSD VALUE	1.2	0.4	1.4	1.5	1.1	1.6	0.7
C.V. (%)	18.4	19.4	19.5	21.6	12.2	28.9	21.5

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

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/
2003-06 DATA

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

NAME	AZ1	CA3	CO1	NM1	OK1	TX1	UT1	MEAN
DENSITY	3.3	4.0	1.7	3.7	4.3	5.8	5.2	4.4
609	4.0	4.7	1.3	3.7	3.5	4.6	5.5	4.0
TECH TURF 1 (FRONTIER TURFALLO)	2.7	5.0	1.7	3.9	3.0	5.1	4.8	4.0
TEXOKA	1.7	1.7	1.0	3.9	2.0	3.8	2.8	3.0
BISON	1.0	1.7	1.0	3.3	2.0	3.4	2.5	2.6
LEGACY	1.0	1.3	1.0	4.2	1.7	2.9	1.7	2.5
BOWIE	1.0	1.0	1.0	3.3	1.5	2.9	1.7	2.3
SWI-2000	1.3	1.0	1.0	3.0	1.5	3.1	1.7	2.3
NE 95-55	1.0	1.0	1.0	3.1	1.5	2.9	1.5	2.2
378	1.3	1.0	1.0	3.2	1.0	2.4	1.0	2.0
LSD VALUE	1.0	0.8	0.5	1.3	0.8	1.1	1.3	0.6
C.V. (%)	33.0	21.6	27.1	30.4	22.9	19.8	30.4	26.0

TABLE 18B. FALL COLOR (NOVEMBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	CO1	NM1	OK1	TX1	UT1	MEAN
TECH TURF 1 (FRONTIER TURFALLO)	2.7	5.0	1.7	3.9	3.0	5.1	4.8	4.0
TEXOKA	1.7	1.7	1.0	3.9	2.0	3.8	2.8	3.0
BISON	1.0	1.7	1.0	3.3	2.0	3.4	2.5	2.6
BOWIE	1.0	1.0	1.0	3.3	1.5	2.9	1.7	2.3
SWI-2000	1.3	1.0	1.0	3.0	1.5	3.1	1.7	2.3
LSD VALUE	0.7	0.9	0.4	1.4	0.7	1.1	0.8	0.6
C.V. (%)	29.2	27.9	22.8	31.7	24.1	18.4	19.7	26.5

TABLE 18C. FALL COLOR (NOVEMBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	CO1	NM1	OK1	TX1	UT1	MEAN
DENSITY	3.3	4.0	1.7	3.7	4.3	5.8	5.2	4.4
609	4.0	4.7	1.3	3.7	3.5	4.6	5.5	4.0
LEGACY	1.0	1.3	1.0	4.2	1.7	2.9	1.7	2.5
NE 95-55	1.0	1.0	1.0	3.1	1.5	2.9	1.5	2.2
378	1.3	1.0	1.0	3.2	1.0	2.4	1.0	2.0
LSD VALUE	1.2	0.6	0.6	1.1	0.8	1.1	1.6	0.6
C.V. (%)	34.2	15.2	30.4	24.6	21.5	19.9	36.4	24.7

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/
2003-06 DATA

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

NAME	AZ1	CA3	NM1	OK1	TX1	MEAN
DENSITY	2.3	2.0	1.7	3	3.7	3.1
TECH TURF 1 (FRONTIER TURFALLO)	1.7	4.0	1.7	1	2.7	2.8
609	2.3	2.0	1.8	3	2.4	2.3
BISON	1.0	1.2	1.7	1	2.2	1.9
TEXOKA	1.0	1.0	2.0	1	2.0	1.8
BOWIE	1.0	1.0	1.8	1	1.8	1.6
LEGACY	1.0	1.0	1.8	1	1.8	1.6
NE 95-55	1.0	1.0	1.7	1	1.9	1.6
SWI-2000	1.0	1.0	1.5	1	1.8	1.6
378	1.0	1.0	1.5	1	1.8	1.5
LSD VALUE	0.5	0.8	0.7	0	0.7	0.5
C.V. (%)	23.7	31.5	29.6	0	21.4	23.3

TABLE 19B. FALL COLOR (DECEMBER) RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	NM1	OK1	TX1	MEAN
TECH TURF 1 (FRONTIER TURFALLO)	1.7	4.0	1.7	1	2.7	2.8
BISON	1.0	1.2	1.7	1	2.2	1.9
TEXOKA	1.0	1.0	2.0	1	2.0	1.8
BOWIE	1.0	1.0	1.8	1	1.8	1.6
SWI-2000	1.0	1.0	1.5	1	1.8	1.6
LSD VALUE	0.4	0.6	0.9	0	0.7	0.5
C.V. (%)	22.8	21.7	35.4	0	22.7	24.1

TABLE 19C. FALL COLOR (DECEMBER) RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

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

NAME	AZ1	CA3	NM1	OK1	TX1	MEAN
DENSITY	2.3	2.0	1.7	3	3.7	3.1
609	2.3	2.0	1.8	3	2.4	2.3
LEGACY	1.0	1.0	1.8	1	1.8	1.6
NE 95-55	1.0	1.0	1.7	1	1.9	1.6
378	1.0	1.0	1.5	1	1.8	1.5
LSD VALUE	0.6	0.9	0.4	0	0.7	0.5
C.V. (%)	23.8	35.9	10.8	0	19.8	22.5

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 20A. SEEDHEAD RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/ 3/

NAME	AZ1
609	8.7
LEGACY	8.2
378	8.0
NE 95-55	8.0
BOWIE	7.8
TEXOKA	7.5
DENSITY	7.3
BISON	7.2
SWI-2000	6.8
TECH TURF 1 (FRONTIER TURFALLO)	5.5
LSD VALUE	1.5
C.V. (%)	12.5

TABLE 20B. SEEDHEAD RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/ 3/

NAME	AZ1
BOWIE	7.8
TEXOKA	7.5
BISON	7.2
SWI-2000	6.8
TECH TURF 1 (FRONTIER TURFALLO)	5.5
LSD VALUE	1.0
C.V. (%)	9.3

TABLE 20C. SEEDHEAD RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/ 3/

NAME	AZ1
609	8.7
LEGACY	8.2
378	8.0
NE 95-55	8.0
DENSITY	7.3
LSD VALUE	1.8
C.V. (%)	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.

3/ SEEDHEAD RATED IN 2003 AND 2006.

TABLE 21A. POA ANNUA RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

NAME	POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/ CA3
NE 95-55	7.6
609	7.2
DENSITY	7.1
378	6.4
TECH TURF 1 (FRONTIER TURFALLO)	6.4
LEGACY	6.3
BOWIE	6.2
BISON	5.2
SWI-2000	5.2
TEXOKA	4.8
LSD VALUE	2.3
C.V. (%)	25.5

TABLE 21B. POA ANNUA RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

NAME	POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/ CA3
TECH TURF 1 (FRONTIER TURFALLO)	6.4
BOWIE	6.2
BISON	5.2
SWI-2000	5.2
TEXOKA	4.8
LSD VALUE	2.4
C.V. (%)	29.3

TABLE 21C. POA ANNUA RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

NAME	POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/ CA3
NE 95-55	7.6
609	7.2
DENSITY	7.1
378	6.4
LEGACY	6.3
LSD VALUE	2.2
C.V. (%)	21.8

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.

3/ POA ANNUA RATED IN 2004-06.

TABLE 22A. MOWING QUALITY RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/ 3/

NAME	UT1
DENSITY	8.7
LEGACY	8.3
378	7.7
TECH TURF 1 (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 22B. MOWING QUALITY RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/ 3/

NAME	UT1
TECH TURF 1 (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 22C. MOWING QUALITY RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/ 3/

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.

3/ MOWING QUALITY RATED IN 2003 ONLY.

TABLE 23A. DORMANT COLOR RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

DORMANT COLOR RATINGS 1-9; 1=BROWN, 9=GOLDEN 2/ 3/

NAME	KS1	NM1	OK1	UT1	MEAN
DENSITY	8.0	4.3	9.0	3.8	6.2
TECH TURF 1 (FRONTIER TURFALLO)	7.0	6.5	7.2	2.8	5.8
609	6.3	4.8	6.8	3.2	5.3
BISON	5.0	6.5	5.5	3.2	5.1
BOWIE	6.0	6.5	5.7	2.2	4.9
NE 95-55	5.0	6.0	4.5	2.5	4.5
378	5.3	5.5	4.8	2.3	4.4
TEXOKA	5.0	5.5	4.5	2.8	4.4
SWI-2000	5.3	4.3	5.2	2.8	4.3
LEGACY	5.0	6.0	3.7	2.0	4.1
LSD VALUE	0.5	2.7	1.1	1.1	1.1
C.V. (%)	5.5	30.0	11.9	24.9	21.2

TABLE 23B. DORMANT COLOR RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

DORMANT COLOR RATINGS 1-9; 1=BROWN, 9=GOLDEN 2/ 3/

NAME	KS1	NM1	OK1	UT1	MEAN
TECH TURF 1 (FRONTIER TURFALLO)	7.0	6.5	7.2	2.8	5.8
BISON	5.0	6.5	5.5	3.2	5.1
BOWIE	6.0	6.5	5.7	2.2	4.9
TEXOKA	5.0	5.5	4.5	2.8	4.4
SWI-2000	5.3	4.3	5.2	2.8	4.3
LSD VALUE	0.4	2.8	1.1	1.2	1.1
C.V. (%)	4.6	29.9	12.4	26.5	21.5

TABLE 23C. DORMANT COLOR RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

DORMANT COLOR RATINGS 1-9; 1=BROWN, 9=GOLDEN 2/ 3/

NAME	KS1	NM1	OK1	UT1	MEAN
DENSITY	8.0	4.3	9.0	3.8	6.2
609	6.3	4.8	6.8	3.2	5.3
NE 95-55	5.0	6.0	4.5	2.5	4.5
378	5.3	5.5	4.8	2.3	4.4
LEGACY	5.0	6.0	3.7	2.0	4.1
LSD VALUE	0.6	2.6	1.1	1.1	1.0
C.V. (%)	6.2	30.0	11.5	23.2	20.8

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.

3/ DORMANT COLOR RATED AT "KS1" IN 2003, AT"NM1" IN 2005-06, AT "OK1" IN 2003 & 2005, AND AT "UT1" IN 2005-06.

TABLE 24A. TURFGRASS COLOR RATINGS OF BUFFALOGRASS CULTIVARS
FOR EACH MONTH 1/
2003-06 DATA
TURFGRASS COLOR RATINGS 1-9; 9=BEST 2/

NAME	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
LEGACY	3.0	3.0	4.1	4.6	6.8	7.1	6.9	6.2	5.6	5.0	5.0	6.1
378	2.7	3.0	3.5	4.3	6.9	7.0	6.8	6.3	5.6	4.6	2.0	6.0
BISON	2.7	2.7	4.1	4.7	6.2	6.4	6.5	6.4	6.5	5.4	3.3	6.0
NE 95-55	2.7	2.7	4.0	5.0	6.9	6.6	6.7	6.4	5.7	4.9	2.0	6.0
609	2.7	3.0	2.9	4.6	6.1	5.9	6.4	6.4	6.9	6.3	5.0	5.9
TEXOKA	2.7	3.0	3.8	5.0	6.4	6.4	6.4	6.3	5.8	5.3	3.0	5.9
SWI-2000	2.3	2.3	3.7	4.8	6.2	6.3	6.5	6.2	5.7	4.8	2.3	5.8
BOWIE	2.7	3.0	4.0	5.0	6.1	6.3	6.3	6.1	5.4	4.8	2.0	5.7
DENSITY	2.3	2.3	3.7	4.4	5.1	5.4	5.5	5.7	5.8	5.5	6.7	5.2
TECH TURF 1 (FRONTIER TURFALLO)	2.7	3.0	3.5	3.9	5.3	5.6	5.7	5.6	5.4	5.2	6.3	5.2
LSD VALUE	1.4	0.8	2.1	1.7	0.7	0.6	0.6	0.9	1.3	1.9	1.2	0.5
C.V. (%)	18.2	13.2	43.4	35.3	26.1	20.7	21.8	23.6	32.5	41.8	20.4	19.2

TABLE 24B. TURFGRASS COLOR RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS
FOR EACH MONTH 1/
2003-06 DATA

TURFGRASS COLOR RATINGS 1-9; 9=BEST 2/

NAME	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
BISON	2.7	2.7	4.1	4.7	6.2	6.4	6.5	6.4	6.5	5.4	3.3	6.0
TEXOKA	2.7	3.0	3.8	5.0	6.4	6.4	6.4	6.3	5.8	5.3	3.0	5.9
SWI-2000	2.3	2.3	3.7	4.8	6.2	6.3	6.5	6.2	5.7	4.8	2.3	5.8
BOWIE	2.7	3.0	4.0	5.0	6.1	6.3	6.3	6.1	5.4	4.8	2.0	5.7
TECH TURF 1 (FRONTIER TURFALLO)	2.7	3.0	3.5	3.9	5.3	5.6	5.7	5.6	5.4	5.2	6.3	5.2
LSD VALUE	1.1	0.7	1.9	1.3	0.9	0.6	0.7	0.7	1.2	1.8	1.1	0.6
C.V. (%)	17.9	12.2	43.8	34.9	28.1	19.7	21.9	22.3	32.4	40.8	17.4	19.8

TABLE 24C. TURFGRASS COLOR RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS
FOR EACH MONTH 1/
2003-06 DATA

TURFGRASS COLOR RATINGS 1-9; 9=BEST 2/

NAME	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
LEGACY	3.0	3.0	4.1	4.6	6.8	7.1	6.9	6.2	5.6	5.0	5.0	6.1
378	2.7	3.0	3.5	4.3	6.9	7.0	6.8	6.3	5.6	4.6	2.0	6.0
NE 95-55	2.7	2.7	4.0	5.0	6.9	6.6	6.7	6.4	5.7	4.9	2.0	6.0
609	2.7	3.0	2.9	4.6	6.1	5.9	6.4	6.4	6.9	6.3	5.0	5.9
DENSITY	2.3	2.3	3.7	4.4	5.1	5.4	5.5	5.7	5.8	5.5	6.7	5.2
LSD VALUE	1.2	0.9	1.5	1.5	0.6	0.6	0.6	0.9	1.2	1.6	1.6	0.5
C.V. (%)	19.4	14.6	43.6	36.0	24.2	21.7	21.8	24.7	32.8	42.9	21.2	18.7

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 25A. ESTABLISHMENT RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

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

NAME	UT1
TECH TURF 1 (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 25B. ESTABLISHMENT RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

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

NAME	UT1
TECH TURF 1 (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 25C. ESTABLISHMENT RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 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 26A. 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
TECH TURF 1 (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 26B. 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
TECH TURF 1 (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 26C. 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 27A. 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
TECH TURF 1 (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 27B. 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
TECH TURF 1 (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 27C. 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.

TABLE 28A. SPURGE RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

SPURGE RATINGS 1-9; 9=BEST 2/ 3/

NAME	CA3
NE 95-55	8.3
TECH TURF 1 (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 28B. SPURGE RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

SPURGE RATINGS 1-9; 9=BEST 2/ 3/

NAME	CA3
TECH TURF 1 (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 28C. SPURGE RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

SPURGE RATINGS 1-9; 9=BEST 2/ 3/

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.

3/ SPURGE RATED IN 2004 ONLY.

TABLE 29A. BROAD LEAF WEED RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

BROAD LEAF RATINGS 1-9; 9=BEST 2/ 3/

NAME	CA3
TEXOKA	9.0
TECH TURF 1 (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 29B. BROAD LEAF WEED RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

BROAD LEAF RATINGS 1-9; 9=BEST 2/ 3/

NAME	CA3
TEXOKA	9.0
TECH TURF 1 (FRONTIER TURFALLO)	8.7
SWI-2000	8.7
BISON	8.3
BOWIE	8.0
LSD VALUE	0.7
C.V. (%)	5.2

TABLE 29C. BROAD LEAF WEED RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

BROAD LEAF RATINGS 1-9; 9=BEST 2/ 3/

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.

3/ BROAD LEAF WEED RATED IN 2004 ONLY.

TABLE 30A. SCALPING RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

SCALPING RATINGS 1-9; 9=NONE 2/ 3/

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
TECH TURF 1 (FRONTIER TURFALLO)	4.3
LSD VALUE	0.8
C.V. (%)	5.7

TABLE 30B. SCALPING RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

SCALPING RATINGS 1-9; 9=NONE 2/ 3/

NAME	OK1
BISON	9.0
TEXOKA	9.0
BOWIE	8.7
SWI-2000	8.7
TECH TURF 1 (FRONTIER TURFALLO)	4.3
LSD VALUE	1.0
C.V. (%)	8.0

TABLE 30C. SCALPING RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

SCALPING RATINGS 1-9; 9=NONE 2/ 3/

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.

3/ SCALPING RATED IN 2004 ONLY.

TABLE 31A. SPRING DEAD SPOT MEASUREMENTS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

SPRING DEAD SPOT MEASURED IN SQUARE CENTIMETERS 2/ 3/

NAME	OK1
DENSITY	1013.3
TECH TURF 1 (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 31B. SPRING DEAD SPOT MEASUREMENTS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

SPRING DEAD SPOT MEASURED IN SQUARE CENTIMETERS 2/ 3/

NAME	OK1
TECH TURF 1 (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 31C. SPRING DEAD SPOT MEASUREMENTS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

SPRING DEAD SPOT MEASURED IN SQUARE CENTIMETERS 2/ 3/

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.

3/ SPRING DEAD SPOT MEASURED IN 2004 ONLY.

TABLE 32A. DANDELION RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

DANDELION RATINGS 1-9; 9=NONE 2/ 3/

NAME	CA3
DENSITY	6.3
TEXOKA	6.0
LEGACY	5.3
NE 95-55	5.3
SWI-2000	5.3
TECH TURF 1 (FRONTIER TURFALLO)	5.3
378	5.0
BOWIE	5.0
609	4.7
BISON	3.3
LSD VALUE	2.4
C.V. (%)	28.9

TABLE 32B. DANDELION RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

DANDELION RATINGS 1-9; 9=NONE 2/ 3/

NAME	CA3
TEXOKA	6.0
SWI-2000	5.3
TECH TURF 1 (FRONTIER TURFALLO)	5.3
BOWIE	5.0
BISON	3.3
LSD VALUE	2.2
C.V. (%)	26.8

TABLE 32C. DANDELION RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

DANDELION RATINGS 1-9; 9=NONE 2/ 3/

NAME	CA3
DENSITY	6.3
LEGACY	5.3
NE 95-55	5.3
378	5.0
609	4.7
LSD VALUE	2.6
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.

3/ DANDELION RATED IN 2005 ONLY.

TABLE 33A. ARMADILLO DAMAGE RATINGS OF BUFFALOGRASS CULTIVARS 1/
2003-06 DATA

ARMADILLO DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	OK1
BISON	9.0
LEGACY	9.0
TEXOKA	9.0
BOWIE	8.7
TECH TURF 1 (FRONTIER TURFALLO)	8.0
378	7.3
DENSITY	7.0
NE 95-55	6.7
SWI-2000	6.7
609	4.7
LSD VALUE	3.9
C.V. (%)	31.6

TABLE 33B. ARMADILLO DAMAGE RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
2003-06 DATA

ARMADILLO DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	OK1
BISON	9.0
TEXOKA	9.0
BOWIE	8.7
TECH TURF 1 (FRONTIER TURFALLO)	8.0
SWI-2000	6.7
LSD VALUE	3.0
C.V. (%)	22.7

TABLE 33C. ARMADILLO DAMAGE RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
2003-06 DATA

ARMADILLO DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	OK1
LEGACY	9.0
378	7.3
DENSITY	7.0
NE 95-55	6.7
609	4.7
LSD VALUE	4.5
C.V. (%)	40.8

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.

3/ ARMADILLO DAMAGE RATED IN 2005 ONLY.

TABLE 34A. PERCENT GRASSES RATINGS OF BUFFALOGRASS CULTIVARS 1/
AT STILLWATER, OK 2/ 3/
2003-06 DATA

NAME	BERMUDA GRASS	CLOVER	OTHER GRASS	BUFFALO GRASS
TECH TURF 1 (FRONTIER TURFALLO)	4.2	0.0	10.7	93.7
DENSITY	10.8	0.0	2.2	90.0
BOWIE	14.8	0.0	4.8	86.7
TEXOKA	23.0	0.0	13.3	75.7
BISON	23.0	8.7	7.7	75.3
SWI-2000	25.0	3.0	4.5	75.3
378	29.5	14.2	6.8	67.0
LEGACY	43.3	5.5	3.3	63.0
NE 95-55	47.5	0.0	7.2	60.7
609	50.0	8.8	1.7	51.0
LSD VALUE	17.2	18.5	16.9	24.0
C.V. (%)	56.1	269.4	146.0	17.1

TABLE 34B. PERCENT GRASSES RATINGS OF BUFFALOGRASS (SEEDED) CULTIVARS 1/
AT STILLWATER, OK 2/ 3/
2003-06 DATA

NAME	BERMUDA GRASS	CLOVER	OTHER GRASS	BUFFALO GRASS
TECH TURF 1 (FRONTIER TURFALLO)	4.2	0.0	10.7	93.7
BOWIE	14.8	0.0	4.8	86.7
TEXOKA	23.0	0.0	13.3	75.7
BISON	23.0	8.7	7.7	75.3
SWI-2000	25.0	3.0	4.5	75.3
LSD VALUE	18.0	10.4	17.6	32.7
C.V. (%)	73.1	301.0	129.6	17.5

TABLE 34C. PERCENT GRASSES RATINGS OF BUFFALOGRASS (VEGETATIVE) CULTIVARS 1/
AT STILLWATER, OK 2/ 3/
2003-06 DATA

NAME	BERMUDA GRASS	CLOVER	OTHER GRASS	BUFFALO GRASS
DENSITY	10.8	0.0	2.2	90.0
378	29.5	14.2	6.8	67.0
LEGACY	43.3	5.5	3.3	63.0
NE 95-55	47.5	0.0	7.2	60.7
609	50.0	8.8	1.7	51.0
LSD VALUE	19.2	21.6	12.4	21.4
C.V. (%)	44.5	241.0	176.2	16.3

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.

3/ PERCENT BUFFALO RATED IN 2004 ONLY, AND ALL OF OTHERS RATED IN 2004-05.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BUFFALAGRASS CULTIVARS */
2003-06 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
378	5.0	11.1
609	4.4	11.1
BISON	4.9	11.1
BOWIE	5.3	22.2
DENSITY	5.1	44.4
LEGACY	5.1	33.3
NE 95-55	4.9	22.2
SWI-2000	5.1	22.2
TECH TURF 1 (FRONTIER TURFALLO)	4.7	11.1
TEXOKA	4.5	11.1
LSD VALUE	0.4	
C.V. (%)	12.8	

*/ 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.