

## **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 American Sod Producers Association, one member from the United States Golf Association (USGA) Green Section, one member from the Turfgrass Breeders Association, an executive director and a national program coordinator. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings.

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

Special Projects Coordinator - Dr. Robert Shearman, University of Nebraska

### **CURRENT POLICY COMMITTEE MEMBERS:**

Dr. A. Douglas Brede, Jacklin Seed Company  
Dr. David Chalmers, Virginia Tech University  
Dr. Thomas Fermanian, University of Illinois  
Dr. Donald Floyd, Pickseed West, Inc.  
Dr. Michael Kenna, USGA Green Section  
Dr. Anthony Koski, Colorado State University  
Dr. Peter Landschoot, Penn State University  
Dr. Jeffrey Nus, Golf Course Superintendents Assoc. of America  
Mr. Ike Thomas, Thomas Bros. Grass Co.

### **FOR ADDITIONAL REPORTS OR INFORMATION WRITE:**

Kevin Morris, Executive Director  
National Turfgrass Evaluation Program  
Beltsville Agricultural Research Center-West  
Building 002, Room 013  
Beltsville, Maryland 20705

CONTENTS

1996 National Tall Fescue Test - 1998 data

LOCATIONS SUBMITTING DATA FOR 1998.....1

NATIONAL TALL FESCUE TEST, 1996 Entries and Sponsors.....2

Table A - 1998 Locations, Site Descriptions and Management Practices in  
the 1996 National Tall Fescue Test .....3

Table B - Locations and Data Collected in 1998.....4

Table 1 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
Grown in Full Sun at Twenty-Seven Locations in the U.S .....7

Table 2 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars Grown  
in Full Sun for Each Month at Twenty-Seven Locations in the U.S...10

Table 3 - Ranking of Mean Turfgrass Quality Ratings of Tall Fescue  
Cultivars Grown in Full Sun at Twenty-Seven Locations in the U.S..13

Table 4 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
Grown in Dense Shade at Mississippi State, MS.....19

Table 5 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
Grown under Traffic Stress at Mead, NE.....22

Table 6 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
Grown on a Roadside at Blackstone, VA.....25

Table 7 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
at Different Nitrogen Levels.....28

Table 8 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
Grown at 0.0-2.0 lbs. of Nitrogen/1000 Sq. Ft./Year.....31

Table 9 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
Grown at 2.1-3.0 lbs. of Nitrogen/1000 Sq. Ft./Year.....33

Table 10- Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
Grown at 3.1-4.0 lbs. of Nitrogen/1000 Sq. Ft./Year.....36

Table 11- Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
Grown at 4.0+ lbs. of Nitrogen/1000 Sq. Ft./Year.....39

Table 12- Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
at Different Mowing Heights.....41

Table 13- Mean Turfgrass Quality Ratings of Tall Fescue Cultivars  
at a 0.6-1.5 Inch Mowing Height.....44

CONTENTS (continued)

Table 14-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars at a 1.6-2.0 Inch Mowing Height.....	47
Table 15-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars at a 2.1-2.5 Inch Mowing Height.....	49
Table 16-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars at a 2.6+ Inch Mowing Height.....	52
Table 17-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars at Different Irrigation Levels.....	54
Table 18-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars Irrigated to Prevent Stress.....	57
Table 19-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars Irrigated to Prevent Dormancy.....	60
Table 20-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars Not Irrigated or only during Severe Stress.....	62
Table 21-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars in Different Climatic Zones.....	64
Table 22-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars at Thirteen Locations in the Transition Zone.....	67
Table 23-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars at Ten Locations in the Cool-Humid Zone.....	70
Table 24-	Mean Turfgrass Quality Ratings of Tall Fescue Cultivars at Four Locations in the Cool-Arid Zone.....	73
Table 25-	Genetic Color Ratings of Tall Fescue Cultivars.....	75
Table 26-	Spring Greenup Ratings of Tall Fescue Cultivars.....	78
Table 27-	Leaf Texture Ratings of Tall Fescue Cultivars.....	81
Table 28-	Spring Density Ratings of Tall Fescue Cultivars.....	84
Table 29-	Summer Density Ratings of Tall Fescue Cultivars.....	87
Table 30-	Fall Density Ratings of Tall Fescue Cultivars.....	90
Table 31-	Percent Living Ground Cover (Spring) Ratings of Tall Fescue Cultivars.....	93
Table 32-	Percent Living Ground Cover (Summer) Ratings of Tall Fescue Cultivars.....	95
Table 33-	Percent Living Ground Cover (Fall) Ratings of Tall Fescue Cultivars.....	98

CONTENTS (continued)

Table 34-	Winter Color Ratings of Tall Fescue Cultivars.....	101
Table 35-	Drought Tolerance (Wilting) Ratings of Tall Fescue Cultivars....	103
Table 36-	Drought Tolerance (Dormancy) Ratings of Tall Fescue Cultivars...	105
Table 37-	Drought Tolerance (Recovery) Ratings of Tall Fescue Cultivars...	107
Table 38-	Red Thread Ratings of Tall Fescue Cultivars.....	109
Table 39-	Brown Patch Ratings of Tall Fescue Cultivars.....	111
Table 40-	Summer Color Ratings of Tall Fescue Cultivars.....	113
Table 41-	Fall Color Ratings of Tall Fescue Cultivars.....	115
Table 42-	Poa Annua (October) Ratings of Tall Fescue Cultivars.....	117
Table 43-	Brown Patch Ratings of Tall Fescue Cultivars at Fayetteville, AR.....	119
Table 44-	Percent Brown Patch Ratings of Tall Fescue Cultivars at Lexington, KY.....	121
Table 45-	Brown Patch Ratings of Tall Fescue Cultivars at Stillwater, OK.....	124

# 1996 NATIONAL TALL FESCUE TEST

## LOCATIONS SUBMITTING DATA FOR 1998

<u>State</u>	<u>Location</u>	<u>Code</u>
Arkansas	Fayetteville	AR1
California	Santa Clara	CA1
California	Riverside	CA3
Delaware	Newark	DE1
Georgia	Griffin	GA1
Iowa	Ames	IA1
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
Indiana	West Lafayette	IN1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Maryland	Silver Spring	MD1
Maine	Orono	ME1
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
Missouri	St. Louis	MO3
Mississippi	Mississippi State	MS1
Nebraska	Mead	NE1
Nebraska	Mead (Traffic)	NE2
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
New York	Ithaca	NY1
Ohio	Columbus	OH1
Oklahoma	Stillwater	OK1
South Carolina	Clemson	SC2
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Virginia	Virginia Beach	VA4
Virginia	Blackstone	VA9
Washington	Pullman	WA1

## 1996 NATIONAL TALL FESCUE TEST

## Entries and Sponsors

Entry #	Name	Sponsor	Entry #	Name	Sponsor
1	Axiom (ATF-192)	Advanta Seeds West, Inc.	66	Marksman	E. F. Burlingham & Sons
2	ATF-196	Advanta Seeds West, Inc.	67	Renegade	E. F. Burlingham & Sons
3	ATF-022	Advanta Seeds West, Inc.	68	Southern Choice	E. F. Burlingham & Sons
4	Red Coat (ATF-038)	Mountain View Seeds, Ltd.	69	Falcon II	Standard Entry
5	Reserve (ATF-182)	Advanta Seeds West, Inc.	70	TF 6 (BAR FA6 US6F)	Barenbrug USA
6	ATF-020	Advanta Seeds West, Inc.	71	Duster	Pennington Seed Company
7	ATF-253	Advanta Seeds West, Inc.	72	Cochise II	Ampac Seed Company
8	ATF-257	Advanta Seeds West, Inc.	73	Shenandoah II (WRS2)	Willamette Seed Company
9	Tulsa	Advanta Seeds West, Inc.	74	WX3-275	AgriBioTech, Inc.
10	Regiment	Advanta Seeds West, Inc.	75	Crossfire II	Pickseed West, Inc.
11	Rebel Sentry (AA-A91)	AgriBioTech, Inc.	76	Bulldawg (Pick GA-96)	Pickseed West, Inc.
12	Rebel 2000 (AA-989)	AgriBioTech, Inc.	77	Pick FA N-93	Pickseed West, Inc.
13	Velocity (AA-983)	AgriBioTech, Inc.	78	JTTFA-96	Japan Turfgrass II
14	CU9501T	Clemson University	79	JTTFC-96	Japan Turfgrass II
15	CU9502T	Clemson University	80	ISI-TF10	International Seeds, Inc.
16	Arid	Standard Entry	81	ISI-TF9	International Seeds, Inc.
17	Arid 3 (J-98)	Jacklin Seed	82	ISI-TF11	International Seeds, Inc.
18	Arid 2 (J-3)	Jacklin Seed	83	Kentucky-31 w/endo.	Standard Entry
19	DP 50-9011	DLF/ Trifolium	84	ZPS-5LZ	AgriBioTech, Inc.
20	DP 7952	DLF/ Trifolium	85	PST-5TO	Pure-Seed Testing, Inc.
21	Arabia (J-5)	Jacklin Seed	86	Olympic Gold (PST-5E5)	Pure-Seed Testing, Inc.
22	Pixie E+	Jacklin Seed	87	Wolfpack (PST-R5TK)	Pure-Seed Testing, Inc.
23	Alamo E	Medalist America	88	Bandana (PST-R5AE)	Pennington Seed, Inc.
24	Brandy (J-101)	Jacklin Seed	89	Gazelle	Zajac Performance Seeds, Inc.
25	Shortstop II	Pickseed West, Inc.	90	Safari	Turf-Seed, Inc.
26	Pick FA 15-92	Pickseed West, Inc.	91	Coyote	Zajac Performance Seeds, Inc.
27	Pick FA 6-91	Pickseed West, Inc.	92	Tomahawk-E	Turf-Seed, Inc.
28	R5AU	Rutgers University	93	Tar Heel	Pure-Seed Testing, Inc.
29	Rembrandt (LTP-4026 E+)	Lebanon Turf Products, Inc.	94	Coronado	Turf-Seed, Inc.
30	Plantation (Pennington-1901)	Pennington Seed Company	95	Apache II	Turf-Seed, Inc.
31	Millennium (TMI-RBR)	Rutgers University	96	Kitty Hawk S.S.T (SS45DW)	Smith Seed Services
32	Anthem II (TMI-FMN)	Turf Merchants, Inc.	97	Comstock (SSDE31)	Smith Seed Services
33	Equinox (TMI-N91)	Turf Merchants, Inc.	98	Titan 2	Smith Seed Services
34	Twilight II (TMI-TW)	Turf Merchants, Inc.	99	Lion	Cascade International Seed Co.
35	Aztec II (TMI-AZ)	Turf Merchants, Inc.	100	EA 41	Cascade International Seed Co.
36	Bonsai 2000 (Bullet)	Turf Merchants, Inc.	101	OFI-FWY	AgriBioTech, Inc.
37	BAR FA 6D	Barenbrug Holland	102	OFI-951	AgriBioTech, Inc.
38	BAR FA 6LV	Barenbrug Holland	103	OFI-931	AgriBioTech, Inc.
39	Pick FA UT-93	Pickseed West, Inc.	104	Finelawn Petite	AgriBioTech, Inc.
40	Watchdog (Pick FA B-93)	Pickseed West, Inc.	105	PSII-TF-10	Production Service International
41	Mustang II	Pickseed West, Inc.	106	PSII-TF-9	Production Service International
42	ATF-188	The Scotts Company	107	SRX 8500	Seed Research of Oregon
43	Chapel Hill (TA-7)	Mountain View Seeds, Ltd.	108	SRX 8084	Seed Research of Oregon
44	WVPB-1B	Willamette Valley Plant Breeders	109	SR 8210	Seed Research of Oregon
45	DLF-1	DLF/Trifolium	110	PRO 8430	Seed Research of Oregon
46	OFI-96-31	AgriBioTech, Inc.	111	Pick FA 20-92	Pickseed West, Inc.
47	OFI-96-32	AgriBioTech, Inc.	112	Pick FA XK-95	Pickseed West, Inc.
48	EC-101	Emerald Commodities	113	Empress	Zajac Performance Seeds, Inc.
49	JSC-1	Jenks Seed Company	114	Masterpiece (LTP-SD-TF)	Lebanon Turf Products, Inc.
50	AV-1	Agrivesments	115	Leprechaun	Roberts Seed Company
51	Pedestal (PC-AO)	Mountain View Seeds, Ltd.	116	PST-5M5	Pure-Seed Testing, Inc.
52	Bravo (RG-93)	LESCO, Inc.	117	Coronado Gold (PST-5RT)	Pure-Seed Testing, Inc.
53	WVPB-1D	Willamette Valley Plant Breeders	118	Jaguar 3	Standard Entry
54	WEPEZ (WVPB-1C)	Western Productions Inc./Willamette Valley Plant Breeders	119	Pick RT-95	Pickseed West, Inc.
55	Good-EN (Kooos 96-14)	Western Productions Inc.	120	Scorpio (ZPS-2PTF)	Zajac Performance Seeds, Inc.
56	MB 26	AgriBioTech, Inc.	121	Sunpro	Pickseed West, Inc.
57	MB 28	AgriBioTech, Inc.	122	Bonsai	Standard Entry
58	MB 29	E. F. Burlingham & Sons	123	PST-523	Pure-Seed Testing, Inc.
59	MB 210	E. F. Burlingham & Sons	124	Tracer (BAR Fa6 US1)	Barenbrug Research
60	MB 211	Pennington Seed, Inc.	125	BAR Fa6 US2U	Barenbrug Research
61	MB 212	E. F. Burlingham & Sons	126	Barrera (BAR Fa6 US3)	Barenbrug Research
62	MB 213	AgriBioTech, Inc.	127	Barrington (BAR Fa6D USA)	Barenbrug Research
63	MB 214	AgriBioTech, Inc.	128	Shenandoah	Standard Entry
64	MB 215	AgriBioTech, Inc.	129	Genesis	AgriBioTech, Inc.
65	MB 216	AgriBioTech, Inc.			

TABLE A.

1998 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 1996 NATIONAL TALL FESCUE 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
AR1	SILT LOAM AND SILT	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
CA1	LOAM	6.6-7.0	0-60	0-150	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
CA3	SANDY LOAM	6.6-7.0	0-60	0-150	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
DE1	-	-	-	-	-	-	-	-
GA1	-	-	-	-	-	-	-	-
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	0.0-1.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	271-450	151-240	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	7.1-7.5	61-150	376-500	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
KS2	SANDY LOAM	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
MD1	LOAMY SAND	6.1-6.5	271-450	0-150	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
ME1	-	-	-	-	-	-	-	-
MI1	SANDY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	3.1-3.5	ONLY DURING SEVERE STRESS
MO1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
MO3	SILTY CLAY LOAM	6.6-7.0	61-150	151-240	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
MS1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	DENSE SHADE	2.6-3.0	NO IRRIGATION
NE1	SILTY CLAY LOAM	6.6-7.0	0-60	0-150	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NE2	SILTY CLAY LOAM	6.6-7.0	0-60	0-150	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ1	SANDY LOAM	4.6-5.5	271-450	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	5.6-6.0	451+	376-500	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
OH1	SILTY CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OK1	SILTY CLAY LOAM	6.6-7.0	151-270	501+	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
SC2	SILTY CLAY AND CLAY	7.1-7.5	451+	376-500	3.1-4.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
UT1	-	-	-	-	-	-	-	-
VA1	SILT LOAM AND SILT	5.6-6.0	61-150	0-150	2.1-3.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
VA4	-	6.6-7.0	61-150	0-150	2.1-3.0	LIGHT SHADE	2.1-2.5	TO PREVENT DORMANCY
VA9	SANDY LOAM	5.6-6.0	0-60	0-150	0.0-1.0	FULL SUN	4.1+	NO IRRIGATION
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 1998

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
AR1			X	X	X	X	X	X	X	X	X		X		X
CA1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
CA3	X	X	X	X	X	X	X	X		X	X	X	X		X
DE1						X	X	X					X		X
GA1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
IA1					X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X		X
IL2				X	X	X	X	X	X	X	X		X		X
IN1				X	X	X	X	X	X	X	X		X	X	X
KS2				X	X	X	X	X	X	X	X		X	X	X
KY1			X	X	X	X	X	X	X	X			X		X
MD1				X	X	X	X	X	X	X			X		
ME1					X	X	X	X	X	X					
MI1				X	X	X	X	X	X	X	X		X	X	X
MO1				X	X	X	X	X	X	X	X		X		X
MO3				X	X	X	X	X	X	X	X		X	X	X
MS1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
NE1				X	X	X	X	X	X				X		X
NE2				X	X	X	X	X	X				X		X
NJ1				X	X	X	X	X	X	X	X		X	X	
NJ2				X	X	X	X	X	X	X	X		X	X	X
NY1				X	X	X	X	X	X				X		
OH1						X	X	X	X				X	X	X
OK1				X	X	X	X	X	X	X	X	X	X	X	X
SC2			X					X			X		X		X
UT1						X	X	X	X	X	X		X		
VA1			X	X	X	X	X	X	X	X	X	X	X	X	X
VA4			X	X		X		X	X		X	X	X	X	X
VA9			X	X	X	X	X	X	X	X	X		X		
WA1				X	X	X	X	X	X	X			X	X	X



TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 1998

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE WILTING	DROUGHT TOLERANCE DORMANCY	DROUGHT TOLERANCE RECOVERY	RED THREAD	BROWN PATCH
AR1 CA1 CA3		X	X		X	X						
DE1 GA1 IA1		X			X	X		X	X	X		X
IL1 IL2 IN1			X									X
KS2 KY1 MD1												
ME1 MI1 MO1				X	X				X			X
MO3 MS1 NE1	X	X	X	X	X	X						X
NE2 NJ1 NJ2	X	X				X						
NY1 OH1 OK1												
SC2 UT1 VA1	X	X	X	X	X	X	X				X	
VA4 VA9 WA1												X

TABLE A. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 1998

LOCATION	SUMMER COLOR RATING	POA ANNUA (OCTOBER)	FALL COLOR RATING	BROWN PATCH MAY	BROWN PATCH JULY	BROWN PATCH SEPTEMBER	PERCENT BROWN PATCH RATINGS		
							JULY 1	AUGUST 14	AUGUST 25
AR1					X	X			
CA1									
CA3	X		X						
DE1									
GA1									
IA1									
IL1									
IL2									
IN1									
KS2									
KY1							X	X	X
MD1									
ME1									
MI1									
MO1									
MO3									
MS1									
NE1									
NE2									
NJ1									
NJ2									
NY1		X	X						
OH1									
OK1				X	X				
SC2									
UT1									
VA1									
VA4									
VA9									
WA1									







TABLE 2.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH  
MONTH GROWN IN FULL SUN AT TWENTY-SEVEN LOCATIONS IN THE U.S. 1/  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
REMBRANDT (LTP-4026 E+)	6.0	6.2	6.5	6.3	6.5	6.3	6.5	6.1	6.3	6.8	6.5	6.6	6.4
PLANTATION (PENNINGTON-1901)	5.8	6.2	6.6	6.4	6.6	6.4	6.4	6.1	6.2	6.7	6.5	6.7	6.3
MILLENNIUM (TMI-RBR)	6.1	6.4	6.3	6.4	6.6	6.4	6.2	5.9	5.8	6.4	6.2	6.5	6.2
SHENANDOAH II (WRS2)	5.8	6.7	6.1	6.0	6.5	6.1	6.2	6.0	6.0	6.5	6.2	6.7	6.2
PICK RT-95	5.7	6.0	6.3	6.0	6.5	6.2	6.1	5.8	5.9	6.5	6.2	6.5	6.1
SCORPION (ZPS-2PTF)	5.6	5.9	6.3	6.1	6.5	6.2	6.0	5.7	5.9	6.5	6.2	6.7	6.1
MASTERPIECE (LTP-SD-TF)	5.8	6.3	6.3	6.0	6.2	6.0	6.2	5.8	5.9	6.6	6.4	6.6	6.1
JAGUAR 3	6.0	6.6	6.3	5.9	6.2	6.2	5.9	5.7	5.9	6.5	6.4	6.6	6.0
CROSSFIRE II	5.8	6.3	6.3	5.9	6.5	6.0	6.0	5.8	5.8	6.3	6.2	6.3	6.0
WATCHDOG (PICK FA B-93)	5.3	5.9	6.3	5.9	6.2	6.1	6.0	5.7	5.8	6.3	6.1	6.3	6.0
COYOTE	5.4	5.7	6.3	5.8	6.3	6.2	5.9	5.7	5.9	6.3	6.0	6.3	6.0
OLYMPIC GOLD (PST-5E5)	6.1	6.3	6.2	6.1	6.3	5.9	6.1	5.9	5.7	6.1	6.0	6.5	6.0
PST-523	5.7	6.7	6.3	5.7	6.2	6.0	5.9	5.8	5.8	6.2	6.0	6.5	5.9
REBEL SENTRY (AA-A91)	5.8	6.0	6.1	6.2	6.3	6.1	5.9	5.6	5.7	6.1	5.8	6.2	5.9
PST-5M5	5.6	6.0	6.1	6.0	6.3	6.0	5.8	5.8	5.8	6.3	6.0	6.4	5.9
ARID 3 (J-98)	5.3	5.9	6.3	6.2	6.5	6.0	5.8	5.6	5.7	5.9	5.7	5.8	5.9
CU9502T	5.9	6.4	6.2	5.9	6.1	6.0	5.9	5.6	5.6	6.2	5.8	6.2	5.9
MB 26	5.8	6.0	6.1	6.3	6.5	6.0	5.6	5.4	5.6	6.0	5.9	5.9	5.9
MB 29	5.6	6.1	6.4	6.0	6.4	6.1	5.7	5.7	5.5	6.0	5.8	6.1	5.9
MB 211	5.9	6.0	6.3	6.1	6.3	5.9	5.7	5.6	5.6	6.0	5.9	6.1	5.9
WOLFPACK (PST-R5TK)	6.4	6.0	5.9	5.7	5.9	5.9	5.9	5.7	5.7	6.5	6.2	6.7	5.9
TAR HEEL	5.6	5.9	6.0	5.5	6.0	5.9	6.1	5.8	5.7	6.2	6.2	6.6	5.9
SOUTHERN CHOICE	5.8	6.2	6.3	6.0	6.3	5.9	5.7	5.6	5.4	6.0	5.9	6.3	5.9
MB 212	5.4	6.1	6.4	6.0	6.2	6.0	5.7	5.6	5.5	6.0	6.0	6.0	5.9
MB 213	5.6	5.3	5.8	6.1	6.5	6.0	5.6	5.5	5.5	6.0	5.9	5.9	5.9
MUSTANG II	5.7	6.2	6.0	5.6	5.9	6.1	5.7	5.7	5.7	6.0	6.2	6.2	5.8
GAZELLE	5.9	5.7	6.0	5.9	6.4	5.9	5.3	5.4	5.6	6.3	6.0	6.3	5.8
ZPS-5LZ	5.7	6.1	6.1	5.9	6.4	6.0	5.5	5.4	5.5	6.0	5.8	5.9	5.8
OFI-931	5.2	5.9	5.9	6.0	6.2	5.9	5.8	5.5	5.5	6.0	5.8	6.2	5.8
CU9501T	5.4	6.0	6.2	5.8	6.1	6.0	5.6	5.5	5.5	6.1	5.9	6.3	5.8
GENESIS	5.7	5.9	6.1	5.9	6.1	5.9	5.8	5.7	5.4	6.0	5.7	6.3	5.8
BAR FA6D USA	5.8	6.1	5.8	5.9	6.2	6.1	5.6	5.4	5.5	6.0	5.9	6.1	5.8
PIXIE E+	5.3	5.3	5.9	5.7	6.1	6.0	5.7	5.6	5.6	6.0	5.8	6.2	5.8
BONSAI 2000 (BULLET)	5.7	6.1	6.0	5.7	5.9	5.8	5.7	5.6	5.6	6.2	6.0	6.3	5.8
BRANDY (J-101)	5.2	6.0	6.2	5.8	6.2	5.8	5.6	5.5	5.6	6.1	5.9	6.1	5.8
MB 28	5.6	5.8	6.0	6.1	6.3	5.9	5.6	5.5	5.4	5.9	5.7	6.1	5.8
BAR FA 6D	5.8	6.5	6.0	6.1	6.2	6.1	5.5	5.3	5.3	5.9	5.7	6.2	5.8
BAR FA6 US3	5.6	6.1	6.2	6.0	6.4	6.0	5.6	5.4	5.4	5.7	5.8	5.7	5.8
RENEGADE	5.3	5.9	6.1	5.7	6.1	6.0	5.7	5.5	5.4	6.0	5.7	6.4	5.8
RESERVE (ATF-182)	5.8	6.0	6.1	5.8	5.9	5.8	5.6	5.7	5.6	6.1	6.1	6.6	5.8
MB 215	5.2	5.4	5.8	5.9	6.2	5.8	5.7	5.5	5.4	5.9	5.8	6.1	5.8
EMPRESS	5.9	6.1	5.8	5.6	5.9	5.8	5.6	5.7	5.7	6.1	5.7	6.2	5.8
BRAVO (RG-93)	5.8	6.1	5.8	5.7	6.1	5.7	5.6	5.5	5.6	6.1	6.0	6.6	5.8
MB 216	5.0	6.0	6.3	6.0	6.4	5.8	5.6	5.5	5.4	5.7	5.7	6.0	5.8

TABLE 2. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH  
MONTH GROWN IN FULL SUN AT TWENTY-SEVEN LOCATIONS IN THE U.S.  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
R5AU	5.6	5.9	6.0	5.7	6.1	5.7	5.8	5.6	5.5	6.2	6.1	6.4	5.8
BAR FA6 US2U	5.4	6.1	5.7	5.9	6.2	5.8	5.6	5.6	5.4	5.9	5.7	5.8	5.8
MB 210	5.6	5.9	5.8	5.7	6.0	5.8	5.8	5.5	5.4	6.0	5.8	6.1	5.8
ISI-TF11	5.8	5.8	6.1	5.8	6.0	5.7	5.7	5.6	5.5	5.9	5.8	6.3	5.7
SHENANDOAH	5.4	5.8	6.1	5.4	5.8	5.8	5.7	5.6	5.4	6.0	5.9	6.2	5.7
REBEL 2000 (AA-989)	5.9	6.4	6.0	6.1	6.1	5.7	5.7	5.5	5.4	5.9	5.6	5.9	5.7
RED COAT (ATF-038)	5.4	5.9	6.0	5.9	5.9	5.9	5.6	5.5	5.3	5.9	5.8	6.1	5.7
CHAPEL HILL (TA-7)	5.4	5.6	6.0	5.8	6.2	5.8	5.6	5.7	5.5	5.8	5.8	6.2	5.7
SAFARI	5.6	6.0	6.1	5.7	5.9	5.8	5.7	5.5	5.5	5.9	5.9	6.3	5.7
TULSA	5.8	6.1	5.9	5.8	5.9	5.8	5.6	5.5	5.5	6.0	6.0	6.2	5.7
ARID 2 (J-3)	5.1	5.6	6.1	5.9	6.1	5.8	5.5	5.4	5.4	5.7	5.8	5.9	5.7
MB 214	5.7	5.7	5.9	6.0	6.2	5.8	5.5	5.4	5.4	5.8	5.5	5.9	5.7
ATF-196	5.2	5.8	5.8	5.8	6.0	6.0	5.7	5.3	5.5	6.1	6.2	6.2	5.7
BAR FA 6LV	5.6	6.1	6.2	6.0	6.3	6.0	5.4	5.2	5.3	5.7	5.7	6.1	5.7
CORONADO	6.0	6.2	6.2	5.8	6.1	5.8	5.5	5.4	5.6	5.8	5.9	6.4	5.7
ANTHEM II (TMI-FMN)	5.6	6.4	6.1	5.7	5.9	5.8	5.5	5.4	5.5	6.1	6.0	6.2	5.7
SUNPRO	5.3	6.0	5.8	5.8	6.2	5.9	5.5	5.5	5.3	5.8	5.5	6.0	5.7
APACHE II	5.8	6.3	6.4	5.8	6.1	5.9	5.4	5.5	5.3	5.9	5.8	6.2	5.7
AZTEC II (TMI-AZ)	5.2	5.9	6.2	5.9	6.0	5.8	5.5	5.3	5.5	5.8	5.7	6.1	5.7
ATF-257	4.9	5.0	5.6	5.6	6.0	5.8	5.8	5.6	5.3	6.0	5.9	6.3	5.7
ATF-188	5.3	6.2	6.0	5.7	5.8	5.9	5.5	5.4	5.4	5.9	6.0	6.1	5.7
BAR FA6 US1	5.3	6.2	5.9	5.8	6.2	6.0	5.4	5.3	5.3	5.7	5.6	5.8	5.7
ISI-TF9	5.9	6.1	6.0	5.7	5.9	5.6	5.6	5.6	5.4	5.9	5.9	6.2	5.7
OFI-96-31	5.5	5.9	6.1	5.9	5.9	5.9	5.6	5.5	5.2	5.7	5.6	6.2	5.7
SRX 8500	5.1	5.6	5.9	5.9	6.2	5.9	5.5	5.3	5.4	5.8	5.6	5.9	5.7
DUSTER	5.1	5.3	5.7	6.0	6.1	5.8	5.5	5.4	5.3	5.8	5.6	6.2	5.7
BULLDAWG (PICK GA-96)	5.6	6.1	6.0	5.9	6.1	5.8	5.6	5.3	5.3	5.9	5.5	5.9	5.7
TWILIGHT II (TMI-TW)	5.3	5.8	5.8	5.8	5.9	5.8	5.5	5.4	5.5	5.9	5.9	6.3	5.7
PST-5TO	5.5	6.3	6.0	5.5	5.8	5.6	5.6	5.5	5.6	6.1	6.0	6.2	5.7
CORONADO GOLD (PST-5RT)	5.9	6.1	6.0	5.5	5.8	5.7	5.5	5.6	5.5	6.0	6.1	6.5	5.7
BANDANA (PST-R5AE)	5.9	6.1	6.0	5.7	5.8	5.7	5.6	5.4	5.4	5.9	5.8	6.2	5.6
REGIMENT	5.6	5.8	6.1	5.7	5.9	5.8	5.4	5.3	5.1	5.9	5.8	6.1	5.6
PRO 8430	5.2	5.7	5.8	5.7	5.8	5.6	5.7	5.4	5.4	5.9	5.8	6.4	5.6
VELOCITY (AA-983)	5.1	5.8	5.8	5.8	5.9	5.7	5.4	5.5	5.4	5.9	5.7	6.1	5.6
ALAMO E	4.9	5.9	6.0	6.0	6.0	5.7	5.2	5.3	5.4	5.9	5.8	6.0	5.6
LION	5.1	5.3	5.6	5.7	5.9	5.8	5.5	5.6	5.3	5.7	5.8	5.9	5.6
SR 8210	5.2	5.8	5.9	5.8	5.9	5.7	5.4	5.3	5.3	5.7	5.9	6.2	5.6
OFI-951	5.0	5.4	5.8	5.8	6.1	5.8	5.3	5.3	5.3	5.8	5.6	5.8	5.6
WX3-275	5.3	6.0	5.6	5.8	6.0	5.8	5.4	5.4	5.2	5.7	5.5	5.9	5.6
ATF-253	5.2	5.4	5.7	5.6	5.7	5.7	5.5	5.3	5.4	6.0	6.0	6.3	5.6
PICK FA XK-95	5.4	5.6	5.8	5.8	5.8	5.7	5.3	5.4	5.3	5.9	5.9	6.1	5.6
PICK FA 20-92	5.4	5.9	5.7	5.9	6.1	5.8	5.5	5.3	5.2	5.6	5.5	5.9	5.6
BAR FA6 US6F	5.1	5.6	5.6	5.5	6.0	5.8	5.3	5.3	5.2	5.8	5.8	6.2	5.6
OFI-FWY	4.9	5.0	5.4	5.8	5.9	5.7	5.3	5.3	5.2	5.8	5.8	6.2	5.6
MARKSMAN	5.8	5.9	6.2	5.6	5.8	5.6	5.4	5.3	5.2	5.6	5.5	6.1	5.6

TABLE 2. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH  
MONTH GROWN IN FULL SUN AT TWENTY-SEVEN LOCATIONS IN THE U.S.  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ARABIA (J-5)	4.9	5.1	5.7	5.8	6.0	5.7	5.4	5.1	5.2	5.8	5.7	6.0	5.6
FINELAWN PETITE	5.7	5.9	5.8	5.4	5.9	5.6	5.4	5.5	5.3	5.7	5.6	6.2	5.6
ATF-022	5.1	5.3	5.8	5.7	5.8	5.8	5.5	5.3	5.2	5.8	5.7	6.0	5.6
FALCON II	5.6	6.1	6.1	5.5	5.8	5.8	5.4	5.3	5.2	5.7	5.6	6.6	5.6
ISI-TF10	5.6	5.8	5.8	5.7	5.9	5.6	5.5	5.3	5.2	5.7	5.7	6.2	5.6
TITAN 2	5.3	5.9	5.7	5.5	5.7	5.6	5.6	5.4	5.1	5.7	5.7	5.9	5.5
TOMAHAWK-E	5.8	5.3	5.6	5.7	5.9	5.7	5.4	5.2	5.2	5.8	5.5	6.0	5.5
OFI-96-32	5.8	6.0	5.8	5.7	5.7	5.7	5.5	5.3	5.1	5.7	5.7	6.3	5.5
EA 41	4.8	5.6	5.5	5.6	5.7	5.6	5.4	5.4	5.4	6.0	5.6	6.1	5.5
GOOD-EN (KOOS 96-14)	4.9	5.8	5.9	5.7	5.9	5.7	5.3	5.2	5.2	5.7	5.5	5.7	5.5
COCHISE II	5.6	6.4	6.1	5.7	5.8	5.5	5.3	5.3	5.4	5.8	5.7	6.0	5.5
SRX 8084	5.3	5.9	5.6	5.4	5.5	5.7	5.5	5.3	5.2	5.7	5.7	6.2	5.5
ATF-020	5.1	5.7	5.8	5.7	5.7	5.6	5.4	5.2	5.2	5.6	5.6	6.0	5.5
PSII-TF-9	5.3	5.6	5.7	5.6	5.7	5.6	5.5	5.3	5.0	5.6	5.5	6.2	5.5
PICK FA 6-91	4.8	5.3	5.7	5.9	5.9	5.7	5.3	5.2	5.1	5.5	5.5	5.8	5.5
PICK FA 15-92	5.4	5.9	6.0	5.6	5.8	5.5	5.2	5.1	5.3	5.7	5.7	5.6	5.5
FEDESTAL (PC-AO)	5.6	5.6	5.8	5.7	5.7	5.6	5.4	5.2	5.1	5.5	5.5	5.9	5.5
LEPRECHAUN	5.6	6.0	5.9	5.7	5.9	5.5	5.3	5.2	5.0	5.6	5.4	6.2	5.5
COMSTOCK (SSDE31)	5.6	5.4	5.8	5.5	5.5	5.5	5.4	5.3	5.2	5.6	5.7	6.2	5.4
WVPB-1D	5.2	5.9	6.2	5.6	5.6	5.5	5.4	5.3	5.1	5.5	5.5	6.1	5.4
EC-101	5.6	5.7	5.8	5.5	5.8	5.6	5.3	5.2	5.0	5.7	5.6	6.2	5.4
WVPB-1B	5.6	5.5	5.5	5.4	5.7	5.6	5.5	5.2	5.1	5.7	5.5	6.2	5.4
PICK FA N-93	4.7	4.8	5.5	5.7	5.9	5.7	5.4	5.0	5.0	5.6	5.3	5.5	5.4
SHORTSTOP II	5.0	5.2	5.5	5.9	5.8	5.8	5.2	5.0	5.0	5.4	5.3	5.6	5.4
KITTY HAWK S.S.T. (SS45DW)	5.7	5.4	5.7	5.4	5.6	5.5	5.2	5.2	5.2	5.5	5.6	6.2	5.4
WPEZE (WVPB-1C)	5.1	5.7	5.9	5.5	5.7	5.6	5.3	5.3	5.0	5.6	5.5	5.9	5.4
PSII-TF-10	5.4	5.7	5.9	5.7	5.8	5.5	5.4	5.2	5.0	5.5	5.3	5.9	5.4
EQUINOX (TMI-N91)	5.4	6.1	6.0	5.4	5.6	5.4	5.3	5.1	4.9	5.6	5.6	6.0	5.4
AXIOM (ATF-192)	5.4	5.1	5.5	5.3	5.5	5.5	5.3	5.2	5.0	5.6	5.6	6.1	5.4
DP 50-9011	5.3	5.6	5.6	5.4	5.6	5.4	5.0	5.0	4.9	5.6	5.6	5.9	5.3
JTTFC-96	5.6	5.3	5.5	5.0	5.4	5.4	5.3	5.2	5.0	5.5	5.4	6.1	5.3
BONSAI	4.9	5.3	5.4	5.4	5.4	5.4	5.1	5.1	5.0	5.5	5.6	6.1	5.3
JSC-1	5.1	5.2	5.5	5.2	5.4	5.2	5.1	5.0	4.9	5.4	5.2	5.8	5.2
JTTFA-96	5.3	5.1	5.0	4.6	5.1	5.3	5.0	5.2	4.8	5.6	5.7	6.2	5.2
PICK FA UT-93	4.2	4.7	5.3	5.2	5.6	5.4	4.8	4.9	4.9	5.4	5.0	5.3	5.1
ARID	5.2	5.1	5.5	4.7	4.8	5.0	5.2	4.9	4.7	5.3	5.3	5.7	5.0
DLF-1	5.4	5.0	5.1	4.8	5.0	5.0	4.9	5.0	4.6	5.1	5.2	5.7	5.0
DP 7952	4.0	4.1	4.8	4.7	4.7	4.9	4.9	4.8	4.6	5.1	5.1	5.6	4.9
AV-1	4.9	4.2	5.0	4.5	4.7	4.8	4.7	4.5	4.3	4.9	4.9	5.4	4.7
KENTUCKY-31 W/ENDO.	3.6	3.7	4.3	3.8	3.9	3.7	3.9	3.8	3.5	3.8	4.0	4.5	3.8
LSD VALUE	1.1	0.9	0.7	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.3
C.V. (%)	22.4	16.4	21.3	26.2	22.5	22.9	24.2	25.6	26.9	22.5	21.9	14.8	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 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN IN FULL SUN AT TWENTY-SEVEN LOCATIONS IN THE U.S. 1/  
1998 DATA

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

NAME	AR1	CA1	CA3	DE1	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	ME1	MI1	MO1	MO3
REMBRANDT (LTP-4026 E+)	4.0	24.0	14.5	18.0	8.0	41.5	2.0	1.0	10.5	1.0	1.0	1.5	28.0	19.5	3.0	7.0
PLANTATION (PENNINGTON-1901)	10.5	2.0	3.0	85.0	3.0	4.0	27.5	15.0	20.5	7.5	2.0	8.5	11.5	4.0	1.0	2.5
MILLENNIUM (TMI-RBR)	21.0	11.5	1.0	26.5	10.0	8.5	10.0	11.0	14.5	50.5	3.5	27.0	3.0	19.5	22.0	43.5
SHENANDOAH II (WRS2)	7.0	9.0	4.5	1.0	20.0	14.5	17.0	3.0	41.0	50.5	19.0	15.5	87.5	68.0	9.0	18.5
PICK RT-95	23.0	27.5	22.5	11.5	11.0	103.5	6.5	5.0	10.5	105.5	24.5	67.0	34.0	55.5	18.5	2.5
SCORPION (ZPS-2PTF)	18.0	44.5	7.0	117.5	17.0	33.0	1.0	2.0	20.5	11.0	35.5	19.0	75.5	63.5	2.0	16.0
MASTERPIECE (LTP-SD-TF)	16.5	22.0	48.0	58.0	1.0	71.0	12.0	13.0	1.5	4.0	7.5	34.0	83.0	79.0	48.5	10.5
JAGUAR 3	1.0	3.5	7.0	98.0	7.0	76.5	12.0	4.0	25.5	38.5	19.0	88.0	66.5	72.5	22.0	16.0
CROSSFIRE II	55.5	18.5	35.5	32.5	12.0	12.0	6.5	6.0	20.5	20.0	65.5	109.5	44.0	94.5	15.0	43.5
WATCHDOG (PICK FA B-93)	15.0	50.5	10.5	64.0	68.0	21.5	41.0	21.0	6.5	116.0	12.5	22.5	2.0	24.5	72.5	52.5
OLYMPIC GOLD (PST-5E5)	16.5	14.5	4.5	18.0	5.5	66.0	23.0	36.0	48.0	71.0	6.0	46.5	18.5	5.0	48.5	29.5
COYOTE	10.5	62.5	71.5	68.0	47.0	33.0	27.5	24.5	14.5	116.0	56.0	42.0	1.0	86.5	11.5	40.5
PST-523	27.0	25.5	29.0	55.5	15.5	28.0	6.5	13.0	29.0	11.0	29.0	43.0	83.0	63.5	6.0	73.0
REBEL SENTRY (AA-A91)	51.5	35.5	43.0	64.0	21.5	21.5	21.0	29.5	41.0	20.0	19.0	1.5	75.5	108.0	15.0	12.5
PST-5M5	19.5	107.0	2.0	75.0	28.5	41.5	27.5	16.5	33.0	7.5	11.0	34.0	14.0	16.5	6.0	23.5
ARID 3 (J-98)	27.0	31.0	53.0	26.5	69.0	107.0	65.5	47.0	20.5	38.5	3.5	6.0	39.5	103.0	63.0	5.5
CU9502T	80.0	9.0	103.5	13.0	32.5	76.5	36.5	62.0	29.0	38.5	10.0	10.0	39.5	24.5	63.0	61.5
MB 29	3.0	50.5	53.0	40.5	47.0	57.0	54.0	74.5	36.0	82.5	5.0	53.5	23.0	16.5	6.0	29.5
MB 26	23.0	5.5	7.0	26.5	123.0	100.5	74.5	57.5	41.0	13.5	46.5	59.5	18.5	55.5	15.0	4.0
MB 211	9.0	27.5	65.5	26.5	57.0	125.0	65.5	27.0	67.0	4.0	12.5	88.0	15.0	12.5	9.0	40.5
WOLFPACK (PST-R5TK)	78.0	103.0	10.5	98.0	2.0	41.5	6.5	24.5	48.0	61.0	29.0	12.5	109.0	31.5	55.5	40.5
TAR HEEL	39.5	11.5	25.5	109.5	19.0	54.0	17.0	19.0	80.0	38.5	35.5	93.0	78.5	31.5	36.5	61.5
SOUTHERN CHOICE	34.5	35.5	14.5	32.5	36.0	50.5	74.5	27.0	67.0	7.5	65.5	34.0	18.5	8.5	87.0	77.5
MB 212	19.5	14.5	89.5	75.0	28.5	61.0	100.5	16.5	67.0	20.0	9.0	113.5	11.5	2.5	41.0	35.5
MB 213	2.0	50.5	75.0	18.0	89.0	50.5	116.5	63.5	67.0	4.0	42.0	100.5	11.5	68.0	11.5	8.5
MUSTANG II	12.0	72.5	75.0	14.5	9.0	68.5	12.0	9.0	48.0	7.5	56.0	96.0	39.5	47.5	87.0	87.5
GAZELLE	98.5	5.5	53.0	105.5	93.0	50.5	27.5	23.0	1.5	71.0	35.5	19.0	71.5	108.0	117.0	46.0
ZPS-5LZ	34.5	3.5	10.5	9.0	107.0	28.0	93.5	66.5	36.0	82.5	42.0	78.0	28.0	119.5	101.5	1.0
OFT-931	64.5	72.5	73.0	75.0	74.5	63.5	74.5	47.0	20.5	61.0	35.5	25.0	6.5	99.0	112.5	26.0
CU9501T	73.5	78.5	43.0	75.0	41.0	14.5	100.5	57.5	67.0	105.5	7.5	4.0	23.0	103.0	63.0	20.5
GENESIS	67.0	72.5	94.5	32.5	51.0	33.0	50.0	42.5	60.0	20.0	24.5	12.5	62.0	.	22.0	77.5
BAR FA6D USA	109.0	100.0	35.5	40.5	35.0	84.5	50.0	69.5	6.5	20.0	19.0	19.0	23.0	90.5	63.0	18.5
PIXIE E+	89.0	57.0	116.0	48.0	53.5	7.0	93.5	22.0	74.0	50.5	80.5	6.0	44.0	47.5	31.5	49.0
BONSAI 2000 (BULLET)	103.0	18.5	35.5	64.0	65.0	21.5	17.0	13.0	54.5	20.0	24.5	59.5	75.5	112.0	94.5	82.0
BRANDY (J-101)	48.5	50.5	48.0	105.5	90.0	28.0	100.5	27.0	48.0	38.5	56.0	98.5	11.5	31.5	63.0	35.5
BAR FA 6D	60.5	39.5	14.5	7.0	76.0	76.5	107.5	104.0	6.5	50.5	61.0	19.0	48.0	12.5	55.5	105.5
MB 28	41.0	117.0	39.5	75.0	37.5	5.0	100.5	73.0	93.0	11.0	71.5	72.0	34.0	24.5	26.5	29.5
RESERVE (ATF-182)	27.0	103.0	43.0	117.5	5.5	117.0	90.0	7.0	74.0	61.0	50.0	34.0	44.0	94.5	101.5	105.5
RENEGADE	76.0	78.5	48.0	3.5	31.0	1.0	54.0	55.0	104.0	50.5	35.5	8.5	28.0	79.0	72.5	77.5
MB 215	34.5	115.5	65.5	11.5	80.0	71.0	120.0	78.0	80.0	82.5	71.5	74.0	8.5	42.0	9.0	5.5
EMPRESS	89.0	31.0	85.0	32.5	26.0	41.5	17.0	52.5	25.5	71.0	29.0	29.5	95.5	108.0	41.0	82.0
BAR FA6 US3	69.0	103.0	19.5	75.0	109.0	100.5	65.5	63.5	14.5	50.5	14.5	106.5	58.5	115.5	22.0	16.0
BRAVO (RG-93)	80.0	44.5	35.5	18.0	32.5	68.5	59.5	39.0	41.0	20.0	71.5	53.5	55.5	94.5	41.0	23.5
MB 216	53.0	100.0	80.0	92.0	65.0	10.5	115.0	85.5	93.0	61.0	46.5	84.0	5.0	8.5	18.5	8.5
R5AU	27.0	18.5	65.5	40.5	15.5	50.5	74.5	10.0	54.5	93.0	52.5	82.0	28.0	31.5	31.5	20.5

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN IN FULL SUN AT TWENTY-SEVEN LOCATIONS IN THE U.S.  
1998 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	AR1	CA1	CA3	DE1	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	ME1	MI1	MO1	MO3
BAR FA6 US2U	44.0	85.0	19.5	51.5	113.0	84.5	65.5	74.5	29.0	29.5	50.0	59.5	48.0	94.5	36.5	52.5
MB 210	67.0	92.5	25.5	68.0	87.0	107.0	84.5	44.5	86.0	2.0	42.0	34.0	8.5	72.5	36.5	52.5
ISI-TF11	34.5	92.5	98.0	98.0	39.0	8.5	3.0	50.0	99.5	50.5	61.0	53.5	93.0	86.5	94.5	68.0
SHENANDOAH	63.0	121.5	112.0	3.5	37.5	14.5	22.0	34.0	80.0	20.0	71.5	3.0	87.5	36.5	94.5	116.5
TULSA	34.5	22.0	29.0	40.5	13.0	17.5	45.5	31.0	86.0	61.0	106.5	77.0	100.5	47.5	22.0	61.5
REBEL 2000 (AA-989)	58.0	57.0	59.0	109.5	45.0	41.5	125.5	82.5	80.0	38.5	77.5	19.0	6.5	108.0	26.5	49.0
RED COAT (ATF-038)	6.0	57.0	25.5	3.5	97.0	57.0	125.5	42.5	36.0	116.0	29.0	88.0	83.0	24.5	31.5	73.0
CHAPEL HILL (TA-7)	64.5	121.5	77.5	85.0	53.5	96.5	90.0	47.0	93.0	93.0	14.5	39.0	28.0	12.5	15.0	68.0
SAFARI	84.5	31.0	105.0	6.0	23.0	28.0	6.5	34.0	118.0	50.5	77.5	15.5	34.0	2.5	101.5	105.5
MB 214	34.5	25.5	53.0	60.0	101.0	76.5	124.0	85.5	93.0	82.5	35.5	46.5	48.0	86.5	87.0	10.5
ARID 2 (J-3)	76.0	92.5	53.0	3.5	73.0	122.5	65.5	55.0	93.0	71.0	65.5	76.0	71.5	29.0	87.0	52.5
ATF-196	34.5	14.5	29.0	127.0	24.5	90.0	105.0	8.0	48.0	105.5	102.5	46.5	125.0	123.0	94.5	23.5
BAR FA 6LV	84.5	44.5	10.5	14.5	56.0	84.5	116.5	69.5	20.5	29.5	29.0	39.0	18.5	101.0	119.5	82.0
CORONADO	102.0	50.5	59.0	111.5	18.0	33.0	74.5	72.0	54.5	13.5	91.5	123.5	68.5	118.0	4.0	46.0
SUNPRO	48.5	39.5	31.0	9.0	121.0	114.0	74.5	114.5	29.0	93.0	87.5	46.5	34.0	113.5	63.0	73.0
ANTHEM II (TMI-FMN)	89.0	1.0	19.5	123.0	65.0	41.5	59.5	39.0	93.0	50.5	46.5	106.5	89.5	6.0	63.0	92.5
APACHE II	30.0	57.0	35.5	51.5	47.0	76.5	45.5	78.0	41.0	50.5	50.0	29.5	28.0	108.0	94.5	98.0
AZTEC II (TMI-AZ)	125.5	31.0	65.5	40.5	85.5	21.5	27.5	60.0	60.0	29.5	71.5	125.0	95.5	10.0	55.5	46.0
ATF-257	8.0	18.5	123.0	75.0	44.0	94.0	6.5	29.5	112.5	29.5	35.5	67.0	51.0	63.5	63.0	110.0
ATF-188	72.0	44.5	48.0	30.0	72.0	90.0	90.0	39.0	3.0	29.5	56.0	93.0	91.0	24.5	125.5	98.0
BAR FA6 US1	60.5	78.5	71.5	40.5	98.5	119.0	127.0	96.5	4.0	61.0	61.0	46.5	28.0	108.0	72.5	29.5
ISI-TF9	39.5	65.0	82.5	40.5	78.0	100.5	45.5	34.0	80.0	71.0	19.0	88.0	53.0	47.5	108.0	92.5
OFI-96-31	71.0	82.0	43.0	29.0	100.0	84.5	105.0	118.0	48.0	38.5	102.5	100.5	66.5	79.0	72.5	29.5
SRX 8500	76.0	22.0	32.0	98.0	119.0	96.5	84.5	66.5	33.0	20.0	19.0	74.0	58.5	79.0	31.5	77.5
DUSTER	98.5	44.5	80.0	85.0	83.5	17.5	65.5	52.5	67.0	50.5	83.5	39.0	64.5	94.5	101.5	61.5
BULLDAWG (PICK GA-96)	73.5	72.5	102.0	85.0	91.5	122.5	41.0	98.5	41.0	71.0	46.5	67.0	34.0	117.0	87.0	68.0
PST-5TO	44.0	57.0	65.5	117.5	14.0	126.5	50.0	60.0	54.5	20.0	42.0	88.0	116.0	55.5	26.5	56.0
TWILIGHT II (TMI-TW)	101.0	44.5	77.5	51.5	61.0	57.0	84.5	50.0	112.5	38.5	87.5	88.0	112.0	36.5	48.5	14.0
CORONADO GOLD (PST-5RT)	14.0	113.5	17.0	90.0	4.0	96.5	36.5	107.5	74.0	29.5	99.0	128.0	64.5	79.0	48.5	56.0
BANDANA (PST-R5AE)	98.5	39.5	48.0	64.0	53.5	28.0	31.0	39.0	86.0	50.5	83.5	22.5	117.5	42.0	48.5	82.0
PRO 8430	94.5	72.5	75.0	85.0	53.5	33.0	17.0	32.0	60.0	29.5	99.0	96.0	71.5	99.0	63.0	98.0
REGIMENT	104.0	62.5	94.5	18.0	94.0	10.5	27.5	55.0	48.0	116.0	123.0	29.5	75.5	60.5	63.0	92.5
VELOCITY (AA-983)	44.0	121.5	65.5	85.0	49.0	129.0	111.5	50.0	67.0	82.5	87.5	67.0	18.5	68.0	72.5	12.5
ALAMO E	23.0	78.5	65.5	105.5	81.5	50.5	36.5	65.0	60.0	93.0	91.5	67.0	103.0	24.5	108.0	87.5
SR 8210	47.0	35.5	39.5	98.0	105.5	57.0	74.5	114.5	10.5	38.5	91.5	109.5	103.0	36.5	101.5	61.5
LION	5.0	107.0	22.5	125.5	120.0	76.5	36.5	44.5	112.5	71.0	71.5	46.5	62.0	36.5	48.5	23.5
WX3-275	98.5	67.0	94.5	98.0	34.0	24.5	45.5	69.5	80.0	105.5	61.0	119.0	53.0	86.5	108.0	101.5
OFI-951	67.0	92.5	14.5	60.0	117.0	107.0	111.5	114.5	20.5	71.0	52.5	53.5	120.0	68.0	55.5	35.5
ATF-253	55.5	35.5	100.0	55.5	40.0	61.0	17.0	19.0	112.5	71.0	80.5	122.0	58.5	103.0	48.5	73.0
PICK FA XK-95	34.5	9.0	65.5	92.0	103.5	96.5	54.0	91.5	6.5	82.5	61.0	127.0	122.0	121.5	41.0	56.0
BAR FA6 US6F	89.0	92.5	82.5	40.5	88.0	41.5	59.5	107.5	74.0	116.0	95.5	67.0	78.5	86.5	26.5	49.0
OFI-FWY	27.0	57.0	119.0	85.0	112.0	84.5	69.0	107.5	33.0	93.0	77.5	88.0	83.0	108.0	31.5	114.0
MARKSMAN	93.0	92.5	106.0	22.5	50.0	14.5	41.0	91.5	112.5	20.0	110.5	113.5	18.5	47.5	87.0	119.0
ARABIA (J-5)	60.5	62.5	19.5	55.5	122.0	114.0	111.5	96.5	20.5	123.0	42.0	109.5	83.0	115.5	48.5	35.5
FINELAWN PETITE	114.0	72.5	56.5	117.5	43.0	19.0	74.5	91.5	99.5	93.0	99.0	67.0	55.5	121.5	48.5	110.0

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN IN FULL SUN AT TWENTY-SEVEN LOCATIONS IN THE U.S.  
1998 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	AR1	CA1	CA3	DE1	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	ME1	MI1	MO1	MO3
PICK FA 20-92	114.0	31.0	35.5	123.0	108.0	110.5	45.5	114.5	14.5	125.0	35.5	59.5	39.5	125.0	79.5	35.5
ATF-022	50.0	100.0	112.0	113.0	42.0	76.5	100.5	19.0	107.5	93.0	87.5	96.0	48.0	86.5	79.5	98.0
FALCON II	120.0	62.5	89.5	98.0	28.5	63.5	59.5	111.5	104.0	29.5	83.5	12.5	53.0	60.5	87.0	114.0
ISI-TF10	44.0	85.0	25.5	51.5	102.0	117.0	105.0	120.5	86.0	105.5	24.5	104.5	58.5	24.5	31.5	82.0
TITAN 2	80.0	121.5	121.0	40.5	60.0	2.0	24.0	78.0	121.0	50.5	123.0	12.5	68.5	63.5	79.5	122.0
TOMAHAWK-E	121.0	57.0	94.5	75.0	79.0	114.0	36.5	82.5	86.0	93.0	113.5	102.5	4.0	55.5	112.5	92.5
OFI-96-32	70.0	67.0	85.0	68.0	24.5	41.5	59.5	60.0	93.0	71.0	117.0	104.5	117.5	79.0	72.5	87.5
EA 41	51.5	85.0	59.0	75.0	126.0	84.5	84.5	117.0	60.0	121.5	77.5	29.5	93.0	68.0	15.0	40.5
COCHISE II	13.0	39.5	85.0	92.0	105.5	90.0	74.5	78.0	54.5	105.5	123.0	53.5	109.0	119.5	48.5	87.5
GOOD-EN (KOOS 96-14)	109.0	87.0	98.0	125.5	114.5	107.0	32.5	69.5	112.5	61.0	110.5	74.0	39.5	72.5	94.5	105.5
SRX 8084	107.0	82.0	89.5	9.0	81.5	57.0	45.5	91.5	99.5	105.5	71.5	82.0	98.0	40.0	101.5	101.5
ATF-020	44.0	107.0	98.0	98.0	95.5	110.5	84.5	39.0	123.5	105.5	56.0	82.0	39.5	90.5	123.0	68.0
PSII-TF-9	82.5	110.0	118.0	22.5	58.0	41.5	84.5	82.5	104.0	120.0	91.5	53.5	113.5	55.5	79.5	105.5
PICK FA 6-91	60.5	92.5	108.0	105.5	85.5	120.0	93.5	91.5	67.0	82.5	113.5	67.0	83.0	124.0	36.5	35.5
PICK FA 15-92	55.5	7.0	65.5	22.5	116.0	107.0	120.0	101.5	54.5	105.5	83.5	119.0	124.0	113.5	108.0	61.5
PEDESTAL (PC-AO)	118.5	92.5	112.0	85.0	95.5	92.5	111.5	87.5	80.0	38.5	19.0	113.5	100.5	47.5	117.0	61.5
EC-101	114.0	67.0	56.5	105.5	70.5	117.0	93.5	100.0	93.0	71.0	65.5	126.0	89.5	7.0	87.0	68.0
LEPRECHAUN	114.0	92.5	80.0	117.5	21.5	24.5	36.5	119.0	67.0	82.5	106.5	25.0	62.0	99.0	112.5	114.0
COMSTOCK (SSDE31)	55.5	118.0	101.0	48.0	91.5	112.0	54.0	110.0	118.0	71.0	95.5	79.5	48.0	16.5	79.5	122.0
WVPB-1D	82.5	82.0	112.0	22.5	28.5	41.5	107.5	107.5	107.5	93.0	115.0	93.0	122.0	55.5	101.5	87.5
WVPB-1B	89.0	113.5	115.0	75.0	59.0	76.5	54.0	78.0	104.0	105.5	106.5	59.5	71.5	79.0	112.5	95.0
PICK FA N-93	106.0	92.5	65.5	117.5	125.0	126.5	84.5	95.0	10.5	82.5	95.5	98.5	103.0	126.0	117.0	29.5
SHORTSTOP II	114.0	72.5	43.0	111.5	124.0	66.0	100.5	104.0	41.0	105.5	117.0	25.0	127.5	127.0	41.0	73.0
KITTY HAWK S.S.T. (SS45DW)	124.0	112.0	108.0	64.0	83.5	100.5	17.0	82.5	93.0	50.5	110.5	119.0	98.0	79.0	115.0	105.5
WPEZE (WVPB-1C)	118.5	98.0	112.0	98.0	77.0	61.0	80.0	87.5	99.5	116.0	102.5	50.0	105.0	72.5	87.0	112.0
PSII-TF-10	109.0	107.0	117.0	105.5	103.5	41.5	59.5	104.0	112.5	71.0	71.5	109.5	109.0	94.5	63.0	87.5
EQUINOX (TMI-N91)	114.0	50.5	89.5	40.5	65.0	122.5	32.5	111.5	123.5	116.0	120.5	67.0	83.0	55.5	79.5	119.0
AXIOM (ATF-192)	96.0	111.0	89.5	75.0	62.0	84.5	96.5	91.5	121.0	82.5	110.5	102.5	98.0	79.0	101.5	119.0
DP 50-9011	89.0	14.5	103.5	55.5	118.0	122.5	120.0	123.0	74.0	124.0	117.0	59.5	109.0	36.5	119.5	98.0
JTTFC-96	89.0	115.5	120.0	48.0	70.5	66.0	96.5	98.5	118.0	105.5	106.5	79.5	93.0	12.5	72.5	122.0
BONSAI	122.5	107.0	89.5	40.5	129.0	103.5	111.5	101.5	104.0	93.0	119.0	119.0	109.0	16.5	72.5	116.5
JSC-1	122.5	119.0	122.0	117.5	110.0	50.5	84.5	126.0	121.0	105.5	95.5	119.0	106.0	55.5	123.0	110.0
JTTFA-96	114.0	124.0	125.0	40.5	65.0	71.0	74.5	122.0	112.5	127.0	126.0	6.0	115.0	47.5	127.0	126.0
PICK FA UT-93	94.5	72.5	108.0	117.5	127.0	128.0	128.0	127.0	29.0	128.0	102.5	123.5	126.0	128.0	125.5	61.5
DLF-1	105.0	125.0	126.0	60.0	111.0	84.5	120.0	124.0	125.0	93.0	127.0	113.5	122.0	42.0	123.0	125.0
ARID	125.5	126.0	124.0	128.0	74.5	3.0	120.0	120.5	127.0	126.0	120.5	41.0	127.5	24.5	108.0	128.0
DP 7952	127.0	127.0	127.0	123.0	128.0	41.5	123.0	125.0	126.0	105.5	125.0	37.0	119.0	47.5	121.0	124.0
AV-1	128.0	128.0	128.0	85.0	114.5	92.5	111.5	128.0	128.0	121.5	128.0	116.0	113.5	36.5	128.0	127.0
KENTUCKY-31 W/ENDO.	129.0	129.0	129.0	129.0	98.5	6.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	1.0	129.0	129.0

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

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

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN IN FULL SUN AT TWENTY-SEVEN LOCATIONS IN THE U.S. 1/  
1998 DATA

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

NAME	NE1	NJ1	NJ2	NY1	OH1	OK1	SC2	UT1	VA1	VA4	WA1	MEAN
REMBRANDT (LTP-4026 E+)	7.5	1.0	1.0	73.5	10.0	1.5	1.0	6.5	7.0	10.5	29.0	1
PLANTATION (PENNINGTON-1901)	11.0	2.0	5.0	10.0	6.5	1.5	10.5	4.5	10.5	69.5	12.5	2
MILLENNIUM (TMI-RBR)	41.0	3.0	3.0	1.0	21.0	8.0	48.5	82.0	30.0	14.0	24.0	3
SHENANDOAH II (WRS2)	33.5	8.0	13.0	21.0	14.5	14.0	48.5	38.5	1.5	24.0	3.0	4
PICK RT-95	17.5	7.0	2.0	81.5	14.5	58.0	97.0	14.0	56.0	1.0	35.5	5
SCORPION (ZPS-2PTF)	26.5	10.0	9.5	56.0	3.0	58.0	97.0	19.0	75.5	7.5	17.0	6
MASTERPIECE (LTP-SD-TF)	26.5	6.0	9.5	60.5	65.0	42.0	37.0	66.0	48.5	2.0	20.0	7
JAGUAR 3	84.5	25.5	20.5	30.0	3.0	15.0	97.0	62.0	22.5	20.0	67.5	8
CROSSFIRE II	1.0	5.0	12.0	4.0	53.5	12.0	97.0	89.5	37.0	32.5	54.5	9
WATCHDOG (PICK FA B-93)	66.0	16.5	6.0	107.0	14.5	5.0	48.5	6.5	93.5	4.0	92.5	10
OLYMPIC GOLD (PST-5E5)	33.5	36.0	58.0	21.0	29.0	17.5	97.0	99.0	12.0	14.0	40.0	11
COYOTE	23.5	12.0	15.0	107.0	3.0	10.0	71.0	54.0	10.5	5.0	24.0	12
PST-523	30.5	44.0	34.5	81.5	53.5	8.0	71.0	42.5	70.5	7.5	45.5	13
REBEL SENTRY (AA-A91)	3.0	53.5	37.0	96.5	10.0	31.5	23.5	47.0	82.5	40.0	35.5	14
PST-5M5	20.5	63.5	70.5	125.0	86.0	5.0	120.5	21.5	4.5	3.0	54.5	15
ARID 3 (J-98)	13.5	16.5	48.5	4.0	14.5	115.5	23.5	26.5	117.5	44.5	32.0	16
CU9502T	5.0	53.5	65.5	30.0	21.0	79.0	48.5	42.5	17.5	14.0	67.5	17
MB 29	103.0	46.0	61.0	62.0	40.5	69.0	5.5	62.0	30.0	17.5	3.0	18
MB 26	20.5	38.5	31.5	6.5	1.0	23.5	23.5	94.0	109.0	95.0	17.0	19
MB 211	23.5	49.0	65.5	89.5	14.5	17.5	10.5	34.5	48.5	77.5	67.5	20
WOLFPACK (PST-R5TK)	48.0	31.5	9.5	117.0	97.5	3.0	97.0	62.0	4.5	32.5	67.5	21
TAR HEEL	105.5	16.5	18.5	91.0	65.0	58.0	48.5	11.0	14.0	44.5	67.5	22
SOUTHERN CHOICE	3.0	78.0	48.5	26.0	53.5	58.0	115.5	71.0	40.5	44.5	80.0	23
MB 212	33.5	29.0	44.5	120.0	40.5	42.0	10.5	58.0	56.0	14.0	35.5	24
MB 213	17.5	12.0	79.0	38.0	40.5	108.5	23.5	75.5	64.5	109.0	3.0	25
MUSTANG II	66.0	80.5	39.5	35.5	86.0	8.0	2.5	75.5	119.0	24.0	111.5	26
GAZELLE	26.5	21.0	4.0	114.5	6.5	79.0	97.0	34.5	82.5	24.0	67.5	27
ZPS-5LZ	52.0	21.0	91.0	93.5	6.5	50.5	97.0	13.0	70.5	69.5	40.0	28
OFI-931	41.0	73.5	28.0	46.5	29.0	58.0	71.0	24.5	37.0	32.5	45.5	29
CU9501T	46.0	68.5	52.0	81.5	21.0	42.0	8.0	62.0	60.5	44.5	80.0	30
GENESIS	105.5	41.0	105.5	8.0	106.5	23.5	48.5	42.5	3.0	24.0	67.5	31
BAR FA6D USA	29.0	16.5	65.5	116.0	40.5	12.0	71.0	31.0	78.5	55.5	32.0	32
PIXIE E+	52.0	101.0	79.0	46.5	75.5	31.5	5.5	62.0	17.5	32.5	24.0	33
BONSAI 2000 (BULLET)	52.0	31.5	9.5	68.5	65.0	42.0	48.5	50.5	110.5	62.0	98.5	34
BRANDY (J-101)	44.0	25.5	58.0	30.0	29.0	69.0	23.5	71.0	97.0	17.5	86.5	35
BAR FA 6D	37.0	38.5	41.5	51.5	40.5	50.5	71.0	19.0	116.0	62.0	29.0	36
MB 28	90.5	68.5	85.5	2.0	113.5	50.5	5.5	38.5	64.5	55.5	12.5	37
RESERVE (ATF-182)	72.5	89.0	44.5	21.0	53.5	31.5	23.5	67.5	7.0	51.0	67.5	38
RENEGADE	66.0	116.5	107.5	12.5	65.0	31.5	97.0	114.0	14.0	39.0	108.5	39
MB 215	37.0	61.0	119.0	103.5	29.0	69.0	23.5	24.5	7.0	86.5	17.0	40
EMPRESS	7.5	38.5	24.5	112.5	29.0	108.5	97.0	34.5	87.0	62.0	54.5	41
BAR FA6 US3	15.5	57.5	24.5	16.5	53.5	5.0	71.0	46.0	112.0	32.5	5.0	42
BRAVO (RG-93)	123.5	68.5	39.5	10.0	75.5	115.5	111.5	82.0	40.5	10.5	24.0	43
MB 216	81.0	49.0	110.5	79.0	53.5	69.0	5.5	34.5	48.5	62.0	9.0	44
R5AU	111.5	104.5	48.5	126.5	113.5	69.0	23.5	21.5	30.0	66.0	86.5	45

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN IN FULL SUN AT TWENTY-SEVEN LOCATIONS IN THE U.S.  
1998 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	NE1	NJ1	NJ2	NY1	OH1	OK1	SC2	UT1	VA1	VA4	WA1	MEAN
BAR FA6 US2U	66.0	61.0	54.5	30.0	65.0	115.5	71.0	1.0	97.0	51.0	12.5	46
MB 210	59.5	91.0	99.5	43.0	65.0	88.0	2.5	4.5	93.5	44.5	111.5	47
ISI-TF11	90.5	68.5	34.5	56.0	86.0	50.5	71.0	50.5	21.0	24.0	80.0	48
SHENANDOAH	66.0	86.0	85.5	12.5	97.5	84.0	71.0	89.5	24.0	77.5	120.0	49
TULSA	66.0	109.5	44.5	118.5	10.0	58.0	23.5	23.0	99.5	69.5	67.5	50
REBEL 2000 (AA-989)	52.0	57.5	113.5	24.5	65.0	122.0	10.5	50.5	14.0	51.0	1.0	51
RED COAT (ATF-038)	11.0	123.0	105.5	16.5	40.5	31.5	23.5	89.5	26.0	116.0	80.0	52
CHAPEL HILL (TA-7)	56.5	68.5	96.5	43.0	75.5	79.0	71.0	42.5	9.0	55.5	54.5	53
SAFARI	100.5	91.0	85.5	30.0	53.5	69.0	115.5	119.0	19.5	51.0	121.0	54
MB 214	59.5	49.0	110.5	10.0	14.5	111.5	23.5	50.5	26.0	95.0	6.5	55
ARID 2 (J-3)	30.5	38.5	70.5	24.5	40.5	125.0	23.5	17.0	102.5	86.5	67.5	56
ATF-196	7.5	68.5	7.0	38.0	53.5	79.0	37.0	67.5	93.5	95.0	32.0	57
BAR FA 6IV	26.5	49.0	65.5	64.5	21.0	119.5	97.0	29.0	108.0	100.0	54.5	58
CORONADO	66.0	4.0	28.0	112.5	40.5	103.5	48.5	8.0	82.5	77.5	54.5	59
SUNPRO	20.5	12.0	48.5	87.5	29.0	79.0	71.0	12.0	102.5	86.5	12.5	60
ANTHEM II (TMI-FMN)	90.5	34.5	52.0	73.5	97.5	50.5	48.5	2.0	110.5	14.0	80.0	61
APACHE II	72.5	73.5	17.0	60.5	120.5	99.5	23.5	89.5	48.5	51.0	80.0	62
AZTEC II (TMI-AZ)	77.0	31.5	18.5	35.5	21.0	95.0	71.0	104.0	106.0	7.5	80.0	63
ATF-257	7.5	97.5	31.5	89.5	86.0	99.5	48.5	99.0	48.5	86.5	117.5	64
ATF-188	59.5	68.5	28.0	43.0	29.0	23.5	71.0	99.0	93.5	86.5	54.5	65
BAR FA6 US1	15.5	28.0	74.0	21.0	6.5	50.5	71.0	42.5	126.0	103.0	24.0	66
ISI-TF9	41.0	57.5	58.0	73.5	106.5	17.5	71.0	104.0	73.5	44.5	105.5	67
OFI-96-31	52.0	44.0	24.5	16.5	53.5	42.0	71.0	29.0	73.5	62.0	40.0	68
SRX 8500	3.0	82.5	37.0	77.5	97.5	20.5	97.0	50.5	114.0	62.0	45.5	69
DUSTER	72.5	82.5	65.5	51.5	86.0	31.5	120.5	19.0	64.5	86.5	92.5	70
BULLDAWG (PICK GA-96)	56.5	14.0	41.5	6.5	86.0	84.0	97.0	75.5	43.0	32.5	54.5	71
PST-5TO	119.5	21.0	24.5	110.0	40.5	58.0	97.0	56.5	87.0	20.0	67.5	72
TWILIGHT II (TMI-TW)	111.5	24.0	79.0	73.5	120.5	20.5	97.0	34.5	64.5	32.5	45.5	73
CORONADO GOLD (PST-5RT)	121.0	9.0	31.5	114.5	65.0	42.0	97.0	99.0	37.0	32.5	49.0	74
BANDANA (PST-R5AE)	105.5	91.0	72.0	85.0	65.0	12.0	111.5	116.0	40.5	7.5	86.5	75
PRO 8430	41.0	104.5	58.0	68.5	65.0	88.0	115.5	62.0	48.5	69.5	98.5	76
REGIMENT	90.5	86.0	91.0	64.5	75.5	108.5	23.5	110.5	33.0	32.5	105.5	77
VELOCITY (AA-983)	11.0	107.0	119.0	96.5	40.5	62.0	23.5	71.0	59.0	77.5	24.0	78
ALAMO E	100.5	42.0	22.0	107.0	29.0	69.0	23.5	94.0	107.0	95.0	40.0	79
SR 8210	90.5	57.5	31.5	56.0	21.0	95.0	126.0	26.5	102.5	20.0	102.0	80
LION	90.5	61.0	91.0	121.0	53.5	31.5	71.0	107.0	82.5	32.5	92.5	81
WX3-275	66.0	34.5	85.5	4.0	97.5	91.5	97.0	99.0	82.5	77.5	98.5	82
OFI-951	46.0	75.5	37.0	56.0	40.5	88.0	111.5	29.0	121.0	69.5	29.0	83
ATF-253	100.5	53.5	54.5	124.0	113.5	31.5	71.0	125.0	56.0	103.0	67.5	84
PICK FA XK-95	52.0	31.5	20.5	64.5	75.5	69.0	97.0	116.0	70.5	86.5	35.5	85
BAR FA6 US6F	95.0	86.0	65.5	129.0	40.5	42.0	120.5	9.5	70.5	32.5	45.5	86
OFI-FWY	37.0	80.5	74.0	56.0	97.5	42.0	120.5	15.5	48.5	58.0	67.5	87
MARKSMAN	41.0	113.0	79.0	100.0	40.5	69.0	23.5	82.0	89.5	32.5	102.0	88
ARABIA (J-5)	111.5	44.0	103.0	56.0	106.5	99.5	37.0	3.0	117.5	55.5	6.5	89
FINELAWN PETITE	100.5	86.0	107.5	77.5	53.5	42.0	71.0	9.5	48.5	62.0	54.5	90

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN IN FULL SUN AT TWENTY-SEVEN LOCATIONS IN THE U.S.  
1998 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	NE1	NJ1	NJ2	NY1	OH1	OK1	SC2	UT1	VA1	VA4	WA1	MEAN
PICK FA 20-92	46.0	63.5	15.0	38.0	75.5	31.5	115.5	104.0	115.0	113.0	17.0	91
ATF-022	77.0	118.5	65.5	46.5	86.0	84.0	37.0	82.0	35.0	118.5	108.5	92
FALCON II	59.5	97.5	110.5	73.5	106.5	95.0	97.0	50.5	48.5	44.5	80.0	93
ISI-TF10	119.5	68.5	110.5	49.5	97.5	17.5	97.0	42.5	64.5	118.5	40.0	94
TITAN 2	90.5	104.5	58.0	14.0	113.5	99.5	48.5	112.5	40.5	109.0	122.0	95
TOMAHAWK-E	13.5	78.0	113.5	100.0	86.0	111.5	97.0	71.0	68.0	95.0	45.5	96
OFI-96-32	114.5	97.5	103.0	73.5	75.5	69.0	48.5	89.5	19.5	103.0	80.0	97
EA 41	98.0	53.5	44.5	118.5	40.5	79.0	126.0	94.0	87.0	77.5	9.0	98
COCHISE II	77.0	101.0	52.0	16.5	21.0	31.5	111.5	124.0	105.0	106.0	67.5	99
GOOD-EN (KOOS 96-14)	96.5	78.0	99.5	46.5	86.0	69.0	48.5	75.5	22.5	77.5	67.5	100
SRX 8084	81.0	109.5	74.0	111.0	75.5	103.5	126.0	99.0	56.0	44.5	119.0	101
ATF-020	83.0	116.5	94.5	93.5	97.5	103.5	37.0	82.0	99.5	109.0	67.5	102
PSII-TF-9	111.5	113.0	91.0	21.0	120.5	50.5	71.0	112.5	48.5	116.0	111.5	103
PICK FA 6-91	20.5	75.5	94.5	128.0	86.0	69.0	23.5	55.0	124.5	95.0	9.0	104
PICK FA 15-92	66.0	21.0	91.0	85.0	120.5	126.0	23.5	89.5	121.0	123.5	24.0	105
PEDESTAL (PC-AO)	72.5	104.5	79.0	64.5	97.5	115.5	71.0	122.0	30.0	77.5	98.5	106
EC-101	77.0	97.5	119.0	107.0	65.0	88.0	71.0	82.0	64.5	69.5	105.5	107
LEPRECHAIN	105.5	101.0	122.0	40.5	113.5	103.5	120.5	99.0	77.0	107.0	86.5	108
COMSTOCK (SSDE31)	108.5	94.0	116.0	122.0	97.5	88.0	48.5	108.0	1.5	95.0	92.5	109
WVPB-1D	86.0	109.5	103.0	68.5	113.5	31.5	97.0	126.0	34.0	95.0	102.0	110
WVPB-1B	114.5	86.0	116.0	93.5	97.5	108.5	120.5	71.0	30.0	116.0	114.0	111
PICK FA N-93	81.0	21.0	15.0	100.0	29.0	23.5	97.0	62.0	127.0	111.0	17.0	112
SHORTSTOP II	33.5	27.0	85.5	30.0	75.5	119.5	23.5	56.5	124.5	103.0	54.5	113
KITTY HAWK S.S.T. (SS45DW)	117.0	109.5	65.5	49.5	86.0	91.5	48.5	106.0	60.5	77.5	105.5	114
WPEZE (WVPB-1C)	122.0	121.5	99.5	30.0	97.5	106.0	71.0	82.0	16.0	86.5	115.5	115
PSII-TF-10	52.0	95.0	121.0	56.0	113.5	69.0	97.0	110.5	26.0	95.0	92.5	116
EQUINOX (TMI-N91)	127.5	93.0	79.0	103.5	120.5	95.0	48.5	86.0	97.0	77.5	92.5	117
AXIOM (ATF-192)	123.5	118.5	99.5	93.5	127.0	115.5	23.5	34.5	75.5	103.0	111.5	118
DP 50-9011	96.5	115.0	123.0	40.5	75.5	115.5	71.0	78.0	123.0	121.0	117.5	119
JTTFC-96	117.0	121.5	116.0	100.0	126.0	31.5	126.0	127.0	91.0	113.0	125.0	120
BONSAI	77.0	113.0	96.5	85.0	113.5	50.5	71.0	123.0	89.5	113.0	92.5	121
JSC-1	90.5	120.0	124.0	87.5	106.5	124.0	71.0	116.0	56.0	121.0	115.5	122
JTTFA-96	125.0	124.0	85.5	68.5	106.5	79.0	126.0	109.0	113.0	121.0	126.0	123
PICK FA UT-93	84.5	49.0	79.0	81.5	53.5	123.0	97.0	15.5	128.0	123.5	92.5	124
DLF-1	117.0	125.0	125.5	126.5	124.0	95.0	23.5	120.5	82.5	125.0	123.0	125
ARID	108.5	126.0	128.0	107.0	125.0	121.0	48.5	118.0	102.5	128.0	127.0	126
DP 7952	127.5	127.0	125.5	34.0	120.5	127.0	71.0	120.5	121.0	126.0	128.0	127
AV-1	126.0	128.0	127.0	123.0	128.0	128.0	48.5	128.0	78.5	127.0	124.0	128
KENTUCKY-31 W/ENDO.	129.0	129.0	129.0	100.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129

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

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

TABLE 4.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN DENSE SHADE AT MISSISSIPPI STATE, MS 1/  
1998 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
MILLENNIUM (TMI-RBR)	5.0	5.3	5.0	5.7	6.3	6.3	5.3	5.3	5.0	4.3	4.0	4.3	5.2
MB 29	5.0	5.3	4.3	5.3	6.0	6.0	6.0	5.3	5.0	4.3	4.7	4.3	5.1
JTTFC-96	4.7	5.3	5.0	5.7	5.7	6.0	5.3	5.0	5.0	4.0	4.3	4.3	5.0
SHENANDOAH II (WRS2)	4.3	4.3	5.0	5.3	5.7	6.0	5.7	5.0	5.0	4.7	4.7	4.7	5.0
GOOD-EN (KOOS 96-14)	4.0	5.3	5.3	5.7	5.7	6.0	5.7	5.0	5.0	3.7	4.3	4.3	5.0
TOMAHAWK-E	4.3	5.0	5.0	5.7	6.0	6.3	5.3	5.0	5.0	4.0	4.0	4.3	5.0
FALCON II	5.3	4.7	5.0	5.3	5.7	6.0	5.7	5.0	5.0	3.7	4.0	4.3	5.0
WVPB-1D	4.7	5.0	5.0	5.7	6.0	6.0	5.3	5.0	5.0	3.7	4.0	4.3	5.0
PLANTATION (PENNINGTON-1901)	4.7	5.0	4.7	5.3	6.0	6.0	5.7	5.0	5.0	3.7	4.0	4.3	4.9
REBEL 2000 (AA-989)	4.7	5.3	5.3	5.7	6.0	6.0	5.0	4.7	4.7	3.7	4.3	4.0	4.9
DLF-1	5.0	5.3	5.0	6.0	6.0	6.0	5.3	4.7	5.0	3.0	3.7	4.0	4.9
OFI-FWY	5.0	5.3	5.0	6.0	6.0	6.0	5.0	4.7	4.7	3.3	4.0	4.0	4.9
DUSTER	4.7	5.3	4.7	5.7	5.7	5.7	5.7	4.7	5.0	3.7	4.0	4.0	4.9
PSII-TF-9	4.7	5.0	5.0	5.3	6.0	6.0	5.3	5.0	5.0	3.7	3.7	4.0	4.9
CORONADO	4.3	5.0	5.0	5.3	5.7	6.3	5.0	5.0	4.7	3.7	4.0	4.3	4.9
KITTY HAWK S.S.T. (SS45DW)	5.0	5.7	5.0	5.7	6.0	6.0	5.0	4.7	4.3	3.0	4.0	4.0	4.9
VELOCITY (AA-983)	4.7	5.0	4.7	5.3	5.7	6.0	5.3	5.3	5.0	3.7	3.7	4.0	4.9
ATF-196	4.3	5.0	4.3	5.7	5.7	6.0	5.3	4.7	5.0	4.0	4.0	4.0	4.8
RED COAT (ATF-038)	4.7	5.7	4.7	5.3	6.0	5.3	5.3	5.0	5.0	3.7	3.3	4.0	4.8
EA 41	4.3	5.0	4.3	5.3	6.0	5.3	5.3	4.7	4.7	4.0	4.3	4.3	4.8
MB 214	4.7	5.3	4.7	6.0	5.7	5.7	5.7	4.7	4.7	3.3	3.7	3.7	4.8
OLYMPIC GOLD (PST-5E5)	5.0	5.0	5.0	5.7	5.7	5.7	5.3	5.3	4.0	3.7	3.7	3.7	4.8
PICK FA XK-95	4.7	5.0	4.3	5.7	5.7	5.7	5.0	4.7	5.0	4.0	3.7	4.3	4.8
WOLFPACK (PST-R5TK)	4.3	5.0	5.0	5.3	5.3	5.7	5.3	5.3	4.7	3.7	3.7	4.3	4.8
WPEZE (WVPB-1C)	4.0	5.0	4.7	5.0	5.7	6.0	5.7	5.3	5.0	3.3	3.7	4.3	4.8
MB 216	4.7	4.7	5.0	5.3	5.7	5.7	5.7	4.7	4.7	3.3	4.0	4.3	4.8
ATF-188	4.7	5.3	4.7	5.0	6.0	5.7	5.0	4.7	4.7	3.7	4.0	4.3	4.8
PIXIE E+	4.7	4.7	4.3	5.7	5.7	5.7	5.3	5.3	4.7	3.3	4.0	4.0	4.8
TAR HEEL	4.7	5.0	4.3	5.3	5.7	5.7	5.3	5.0	5.0	4.0	3.7	3.7	4.8
RESERVE (ATF-182)	4.7	5.0	4.7	5.3	5.7	5.7	5.0	5.0	4.3	4.0	4.0	4.0	4.8
TULSA	5.0	5.3	5.0	5.7	6.0	6.0	5.3	4.3	4.0	3.3	3.7	3.7	4.8
ISI-TF11	4.7	5.0	5.0	5.3	5.7	5.7	5.3	4.7	4.3	3.3	3.7	4.3	4.8
PICK FA 6-91	4.3	4.7	4.0	5.0	5.7	5.3	5.3	5.0	5.0	4.3	4.3	4.0	4.8
PST-5TO	4.7	5.3	4.3	5.0	5.7	6.0	5.3	4.3	4.3	3.7	4.0	4.3	4.8
SRX 8500	4.3	4.7	4.7	5.3	5.7	6.0	5.0	4.7	4.7	3.7	4.3	4.0	4.8
ISI-TF10	4.7	5.0	4.7	5.7	5.7	5.7	5.3	4.7	4.7	3.7	3.3	3.7	4.7
TWILIGHT II (TMI-TW)	4.3	4.7	4.7	5.0	5.7	5.7	5.3	5.0	5.0	3.3	3.7	4.3	4.7
MUSTANG II	4.3	5.0	4.7	5.3	5.7	6.0	5.3	4.7	4.7	3.7	3.7	3.7	4.7
FINELAWN PETITE	4.7	5.3	4.7	5.0	5.3	6.0	5.0	4.3	4.0	4.0	4.0	4.0	4.7
ARID	5.0	5.3	5.3	5.3	5.7	5.7	5.0	4.3	4.3	3.0	3.7	3.7	4.7
PEDESTAL (PC-AO)	4.3	5.0	5.0	5.3	5.3	5.7	5.3	5.0	4.7	3.0	3.7	4.0	4.7
SOUTHERN CHOICE	4.0	5.0	4.7	5.0	5.3	5.7	5.3	5.0	5.0	3.7	3.7	4.0	4.7
WVPB-1B	4.3	4.7	4.7	5.0	5.7	5.7	5.0	4.7	4.7	3.7	4.0	4.3	4.7
CU9502T	4.3	5.0	5.0	5.0	5.7	5.7	5.3	4.7	4.7	3.3	3.7	3.7	4.7

TABLE 4. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN DENSE SHADE AT MISSISSIPPI STATE, MS  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
REMBRANDT (LTP-4026 E+)	4.7	5.3	4.7	5.3	5.7	5.3	4.7	4.7	4.3	3.7	3.7	4.0	4.7
BANDANA (PST-R5AE)	5.0	6.0	5.0	5.7	6.0	5.7	4.7	4.3	4.0	3.0	3.3	3.3	4.7
ARABIA (J-5)	4.3	5.0	4.3	5.3	5.3	5.3	5.0	5.0	4.7	3.3	3.7	4.3	4.6
ATF-022	4.3	5.3	4.7	5.3	6.0	5.7	5.0	4.7	4.7	3.3	3.3	3.3	4.6
BAR FA6 US2U	4.3	5.3	4.7	5.3	5.7	5.7	5.0	4.7	4.3	3.7	3.3	3.7	4.6
PICK RT-95	4.7	5.0	4.7	5.3	6.0	5.7	5.0	4.3	4.0	3.3	3.7	4.0	4.6
PST-523	5.0	5.0	5.3	5.3	5.3	5.7	4.7	4.3	4.0	3.3	3.7	3.7	4.6
BAR FA6 US1	4.7	4.7	4.7	5.7	5.7	6.0	5.0	4.7	4.3	3.3	3.3	3.3	4.6
SRX 8084	4.3	5.0	4.7	5.3	5.7	5.7	5.0	4.0	4.3	3.3	4.0	4.0	4.6
AXIOM (ATF-192)	4.3	5.0	4.3	5.0	5.3	5.3	5.0	4.7	4.3	3.7	3.7	4.3	4.6
BAR FA6D USA	4.0	4.7	4.7	5.0	5.3	5.3	5.3	4.7	4.7	3.7	4.0	3.7	4.6
COCHISE II	4.7	5.0	4.7	6.0	5.7	5.7	4.7	4.3	4.0	3.0	3.7	3.7	4.6
EMPRESS	4.3	5.0	4.3	5.3	5.7	5.7	4.7	4.3	4.3	3.7	3.7	4.0	4.6
MB 210	4.3	5.0	5.0	5.7	6.0	6.0	4.7	4.0	4.0	3.0	3.3	4.0	4.6
MB 211	4.7	5.7	5.0	5.3	5.7	5.7	4.7	4.0	4.3	3.0	3.3	3.7	4.6
MB 212	4.0	5.0	4.3	5.0	5.3	5.0	5.3	5.0	5.0	3.3	3.7	4.0	4.6
TITAN 2	4.0	5.0	4.7	5.0	5.7	5.7	4.3	4.3	3.7	4.0	4.3	4.3	4.6
CROSSFIRE II	3.7	4.7	4.7	5.0	5.3	5.3	5.0	4.7	4.3	4.0	3.7	4.3	4.6
SR 8210	4.3	4.7	4.7	5.3	5.7	5.3	4.7	4.0	4.3	3.7	4.0	4.0	4.6
SUNPRO	4.3	5.0	4.3	5.3	5.7	5.3	5.0	4.3	4.3	3.3	4.0	3.7	4.6
LION	4.3	4.7	4.7	4.7	5.7	5.3	5.0	4.7	4.0	3.3	4.0	4.0	4.5
PSII-TF-10	4.3	5.0	4.7	5.3	5.7	5.7	4.7	4.3	5.0	3.0	3.0	3.7	4.5
SHENANDOAH	4.7	4.7	5.0	5.3	5.7	5.7	4.7	4.0	4.0	3.0	3.7	3.7	4.5
BRANDY (J-101)	4.7	5.3	5.0	5.7	6.0	5.7	4.3	3.7	4.0	2.7	3.3	3.7	4.5
JAGUAR 3	4.7	5.3	4.7	5.3	5.7	5.3	4.7	4.0	4.0	3.3	3.3	3.7	4.5
MB 215	4.7	5.3	4.7	5.3	5.3	5.3	4.7	4.0	4.0	3.0	3.7	4.0	4.5
ALAMO E	4.7	4.7	4.7	5.3	5.3	5.7	5.0	3.7	4.3	3.3	3.7	3.3	4.5
CU9501T	4.3	5.3	4.7	5.3	5.7	5.7	4.3	4.0	3.7	3.3	3.7	3.7	4.5
GENESIS	4.0	4.7	4.7	5.0	5.3	5.3	5.0	5.0	4.3	2.7	3.7	4.0	4.5
ZPS-5LZ	3.7	4.7	4.3	5.0	5.0	5.0	4.7	4.3	5.0	4.0	4.0	4.0	4.5
GAZELLE	4.3	5.0	4.7	5.3	5.7	5.3	4.3	3.7	3.3	3.7	4.0	4.0	4.4
COMSTOCK (SSDE31)	4.3	5.0	4.7	5.0	5.0	5.3	4.7	4.7	4.3	3.0	3.7	3.7	4.4
BAR FA 6LV	4.0	4.7	4.7	4.7	5.3	5.3	4.7	4.0	4.3	3.7	4.0	3.7	4.4
ISI-TF9	4.3	5.7	4.7	5.3	5.7	5.3	4.7	4.3	4.0	2.7	3.0	3.3	4.4
PICK FA 20-92	4.0	4.3	3.7	4.7	5.3	5.7	4.7	4.7	4.7	3.7	3.7	4.0	4.4
RENEGADE	4.3	4.7	4.3	5.0	5.3	5.3	5.0	5.0	3.7	3.7	3.3	3.3	4.4
SAFARI	4.7	4.7	4.7	5.3	5.7	5.3	4.7	3.7	3.7	3.3	3.7	3.7	4.4
MB 26	4.7	4.7	4.0	4.7	5.7	5.7	5.3	4.3	4.3	3.0	3.3	3.3	4.4
BULLDAWG (PICK GA-96)	4.0	5.0	4.7	5.0	5.3	5.7	5.0	4.0	4.3	3.0	3.3	3.3	4.4
OFI-931	4.0	4.3	4.3	5.0	5.3	5.3	4.7	4.0	4.7	3.7	3.7	3.7	4.4
ATF-020	3.7	4.7	4.3	5.0	5.3	5.3	5.3	4.3	4.7	3.3	3.3	3.3	4.4
ATF-257	4.0	4.3	4.3	5.0	5.0	5.3	4.7	4.3	4.0	3.7	4.0	4.0	4.4
DP 7952	4.0	5.0	4.3	4.3	5.0	5.0	4.7	5.0	5.0	3.0	4.0	3.3	4.4
JTTFA-96	4.0	4.0	5.0	5.0	5.0	4.7	4.7	4.7	4.7	3.3	3.7	3.7	4.4
BAR FA6 US3	3.7	4.0	4.0	4.7	5.3	5.3	5.0	4.7	4.7	3.7	3.7	3.7	4.4



TABLE 4. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN DENSE SHADE AT MISSISSIPPI STATE, MS  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
COYOTE	4.3	4.7	4.7	5.0	5.3	5.3	4.7	4.3	4.0	3.0	3.3	3.7	4.4
WATCHDOG (PICK FA B-93)	3.7	4.7	4.3	4.7	4.7	4.7	4.7	4.3	4.3	3.7	4.3	4.3	4.4
DP 50-9011	3.7	4.7	4.3	4.7	5.0	5.3	5.0	4.7	4.3	3.3	3.7	3.3	4.3
PST-5M5	4.3	5.0	4.3	5.0	5.3	5.3	4.7	4.0	4.0	3.3	3.3	3.3	4.3
SCORPION (ZPS-2PTF)	4.0	4.7	4.7	4.7	5.3	5.3	4.7	4.0	4.0	3.3	3.7	3.7	4.3
REBEL SENTRY (AA-A91)	4.3	4.7	4.3	5.3	5.3	5.7	4.3	4.0	4.0	3.0	3.3	3.3	4.3
WX3-275	4.0	4.0	4.3	5.0	5.3	5.7	4.7	4.0	4.0	3.3	3.7	3.3	4.3
ARID 3 (J-98)	3.7	4.3	4.0	4.7	4.7	4.7	4.3	4.7	4.3	3.7	4.0	4.0	4.3
BAR FA 6D	4.7	4.3	4.0	4.7	5.3	4.7	4.7	4.0	4.7	2.7	3.7	3.7	4.3
JSC-1	4.3	5.3	4.7	5.0	5.7	5.3	4.0	3.3	3.7	3.0	3.3	3.3	4.3
CORONADO GOLD (PST-SRT)	4.0	4.7	4.7	4.7	5.3	5.0	4.3	4.0	3.7	3.3	3.3	3.7	4.2
EC-101	4.3	4.7	4.3	4.3	5.3	5.0	4.3	4.0	4.0	3.0	3.7	3.7	4.2
KENTUCKY-31 W/ENDO.	4.0	4.7	4.7	4.3	4.7	4.7	4.0	4.0	4.3	3.3	4.0	4.0	4.2
LEPRECHAUN	4.0	4.7	4.3	4.7	4.7	5.0	4.7	4.0	4.0	3.3	3.7	3.7	4.2
MASTERPIECE (LTP-SD-TF)	4.3	4.7	4.7	4.7	5.3	5.0	4.3	4.0	3.7	3.3	3.3	3.3	4.2
MB 213	4.0	4.3	4.3	5.0	5.3	5.3	4.3	4.0	4.0	3.0	3.3	3.7	4.2
PICK FA 15-92	4.0	4.3	4.0	4.7	5.0	5.0	4.7	4.0	4.0	3.3	3.7	4.0	4.2
BONSAI	3.3	4.3	3.7	4.0	4.3	4.3	4.7	4.7	4.7	3.7	3.7	4.3	4.1
CHAPEL HILL (TA-7)	4.0	4.3	4.3	4.7	5.0	5.0	4.3	4.3	3.7	3.3	3.3	3.3	4.1
OFI-96-32	3.7	4.3	4.0	4.7	5.0	4.7	4.7	4.0	4.0	3.3	3.7	3.7	4.1
PRO 8430	4.0	5.0	4.7	4.3	5.0	5.0	4.0	3.3	4.0	3.3	3.7	3.3	4.1
R5AU	4.0	4.7	4.3	4.7	4.7	4.7	4.3	4.0	3.7	3.3	3.7	3.7	4.1
MB 28	4.0	4.7	4.3	4.7	5.3	5.0	4.3	3.3	3.7	3.0	3.3	3.7	4.1
APACHE II	4.0	4.3	4.3	4.7	5.0	4.7	4.0	3.7	4.0	3.0	3.7	3.7	4.1
ATF-253	4.0	4.0	4.3	4.7	5.0	4.7	4.3	3.7	3.3	3.3	3.7	3.7	4.1
MARKSMAN	4.3	4.3	4.0	4.7	4.7	5.0	4.3	3.7	3.3	3.3	3.7	3.3	4.1
ARID 2 (J-3)	3.3	3.7	3.7	4.0	5.0	5.0	4.7	4.7	4.7	2.7	3.3	3.7	4.0
AV-1	4.0	4.3	3.7	4.3	5.0	4.7	4.0	4.0	4.3	3.0	3.3	3.7	4.0
BAR FA6 US6F	4.0	4.0	4.0	4.3	5.0	5.0	4.3	4.0	4.0	2.7	3.7	3.3	4.0
SHORTSTOP II	3.7	4.3	4.0	4.3	5.0	5.0	4.3	4.0	4.0	3.0	3.0	3.7	4.0
ANTHEM II (TMI-FMN)	4.0	4.7	4.3	4.3	4.7	4.7	4.0	3.7	3.7	3.3	3.3	3.3	4.0
REGIMENT	4.0	4.3	4.0	4.3	5.0	5.0	4.3	4.0	4.0	3.0	3.0	3.0	4.0
OFI-96-31	4.7	4.0	3.7	4.3	4.7	4.3	4.3	4.0	4.0	3.0	3.3	3.7	4.0
PICK FA N-93	4.0	4.0	3.3	4.3	4.7	4.7	4.3	4.0	4.0	3.3	3.3	3.3	3.9
OFI-951	3.7	4.0	4.3	4.3	5.0	4.3	4.0	3.7	4.0	3.0	3.3	3.7	3.9
BRAVO (RG-93)	3.7	4.3	4.3	4.3	4.7	4.7	4.0	3.3	3.7	2.7	3.3	3.3	3.9
EQUINOX (TMI-N91)	3.7	4.3	3.7	4.0	4.0	4.3	4.3	3.7	4.0	3.3	3.3	3.7	3.9
BONSAI 2000 (BULLET)	3.3	4.3	4.0	4.3	4.7	4.3	4.0	3.7	3.3	3.3	3.7	3.3	3.9
PICK FA UT-93	3.3	4.3	4.0	4.3	4.7	4.7	4.0	3.3	4.7	2.7	3.3	3.0	3.9
AZTEC II (TMI-AZ)	3.3	4.7	4.0	4.0	4.3	4.3	3.7	3.3	3.7	3.0	3.3	3.0	3.7
LSD VALUE	1.3	1.4	1.2	1.5	1.2	1.4	1.6	1.8	1.8	2.6	1.9	1.7	1.3
C.V. (%)	19.1	17.9	16.7	17.8	14.2	16.2	20.9	25.4	25.5	47.9	31.6	28.0	17.7

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 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT MEAD, NE 1/  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS						MEAN
	APR	MAY	JUN	JUL	AUG	SEP	
MILLENNIUM (TMI-RBR)	9.0	7.7	7.0	7.3	7.0	6.7	7.4
PLANTATION (PENNINGTON-1901)	8.7	7.7	7.0	7.3	6.3	7.7	7.4
REMBRANDT (LTP-4026 E+)	8.3	7.3	7.7	7.7	6.0	7.0	7.3
OLYMPIC GOLD (PST-5E5)	8.7	6.7	7.3	7.0	7.0	7.0	7.3
OFI-931	8.7	7.0	7.7	7.7	5.7	6.7	7.2
WATCHDOG (PICK FA B-93)	8.7	7.0	6.7	7.7	6.7	6.7	7.2
GAZELLE	9.0	7.3	7.3	6.7	4.7	8.0	7.2
PST-5M5	8.3	7.0	6.7	6.7	7.0	7.3	7.2
SRX 8500	8.7	6.7	7.7	6.7	6.0	7.3	7.2
CU9502T	9.0	7.0	7.0	6.7	6.3	6.7	7.1
DUSTER	9.0	6.3	7.3	7.0	6.0	6.7	7.1
PICK RT-95	8.7	7.0	7.3	6.3	6.3	6.7	7.1
BAR FA6 US1	8.3	6.7	6.3	7.3	6.0	7.3	7.0
MASTERPIECE (LTP-SD-TF)	8.0	6.3	7.0	7.0	6.7	7.0	7.0
SCORPION (ZPS-2PTF)	9.0	7.0	7.3	6.0	6.0	6.7	7.0
SOUTHERN CHOICE	9.0	6.7	5.7	6.3	6.7	7.3	6.9
SUNERO	9.0	6.3	6.7	6.3	6.0	7.3	6.9
ATF-022	8.3	6.3	7.3	7.0	6.3	6.3	6.9
ATF-257	8.0	6.3	6.3	7.3	6.7	7.0	6.9
CU9501T	8.7	6.7	7.0	6.7	6.0	6.7	6.9
MB 29	8.3	7.0	6.0	6.7	7.0	6.7	6.9
OFI-96-31	8.0	6.3	7.0	6.7	6.3	7.3	6.9
BAR FA 6LV	9.0	6.3	7.7	7.0	5.0	6.3	6.9
ARID 2 (J-3)	8.3	7.0	7.3	6.0	6.0	6.3	6.8
ATF-020	8.3	6.0	7.0	6.3	6.3	7.0	6.8
ATF-196	8.7	6.7	6.7	6.0	5.7	7.3	6.8
EMPRESS	8.3	6.3	6.3	6.7	6.0	7.3	6.8
GENESIS	8.7	5.7	7.0	6.7	6.7	6.3	6.8
PICK FA N-93	8.7	6.7	7.3	7.0	5.0	6.3	6.8
PIXIE E+	8.3	6.3	7.3	7.0	6.3	5.7	6.8
REBEL SENTRY (AA-A91)	8.7	6.7	7.0	6.7	5.7	6.3	6.8
REGIMENT	8.3	6.0	7.0	7.0	5.7	7.0	6.8
SHENANDOAH II (WRS2)	8.0	6.3	6.7	7.0	7.3	5.7	6.8
BAR FA 6D	8.7	6.7	7.0	6.7	5.3	6.3	6.8
REBEL 2000 (AA-989)	8.0	6.7	6.7	7.0	6.0	6.3	6.8
RED COAT (ATF-038)	8.7	7.0	7.0	6.3	5.7	5.7	6.7
TOMAHAWK-E	8.3	6.7	6.7	6.3	5.7	6.7	6.7
VELOCITY (AA-983)	8.3	7.3	6.7	5.7	5.7	6.7	6.7
BRANDY (J-101)	8.3	7.0	6.3	6.3	6.3	6.0	6.7
JAGUAR 3	9.0	6.7	7.3	6.3	4.7	6.3	6.7
ARID 3 (J-98)	8.3	6.3	6.3	6.3	6.0	6.7	6.7
ATF-188	8.7	6.3	7.0	5.3	6.7	6.0	6.7
FALCON II	8.0	6.3	6.0	6.7	6.0	7.0	6.7
MARKSMAN	8.3	6.3	6.0	6.3	6.3	6.7	6.7

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER TRAFFIC STRESS AT MEAD, NE  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS							
NAME	APR	MAY	JUN	JUL	AUG	SEP	MEAN
MB 212	8.3	6.0	6.7	6.0	6.3	6.7	6.7
R5AU	8.0	5.3	6.3	6.7	6.7	7.0	6.7
TAR HEEL	8.0	6.0	6.7	7.3	5.7	6.3	6.7
TULSA	8.3	6.0	6.7	6.7	6.0	6.3	6.7
WOLFPACK (PST-R5TK)	8.0	5.7	6.7	7.3	5.7	6.7	6.7
CROSSFIRE II	8.7	6.0	6.7	7.0	5.3	6.0	6.6
MB 210	8.0	6.7	6.3	6.3	5.7	6.7	6.6
MUSTANG II	8.3	6.0	6.7	6.0	6.3	6.3	6.6
COYOTE	8.7	6.3	6.7	6.3	5.3	6.3	6.6
MB 215	8.3	6.7	6.3	6.3	5.7	6.3	6.6
PICK FA 6-91	8.3	7.0	6.3	6.3	5.7	6.0	6.6
MB 26	8.3	6.3	6.3	6.7	5.3	6.3	6.6
PICK FA 20-92	8.7	7.3	6.7	6.3	5.3	5.0	6.6
SR 8210	8.0	6.7	6.0	6.0	6.3	6.3	6.6
BAR FA6 US3	7.7	6.3	6.7	6.7	5.7	6.3	6.6
APACHE II	8.3	5.7	6.7	6.7	6.0	5.7	6.5
ATF-253	8.7	6.7	6.0	6.3	5.7	5.7	6.5
EC-101	8.7	6.0	7.0	6.3	5.7	5.3	6.5
MB 211	8.3	6.3	6.3	6.3	5.3	6.3	6.5
MB 214	8.3	7.0	6.7	6.3	5.3	5.3	6.5
MB 216	8.3	6.3	6.3	6.7	5.3	6.0	6.5
OPI-FWY	8.7	6.0	7.0	6.3	5.7	5.3	6.5
PEDESTAL (PC-AO)	8.7	6.0	5.7	6.3	6.3	6.0	6.5
BAR FA6 US6F	8.3	6.3	5.7	7.0	4.7	6.7	6.4
RESERVE (ATF-182)	8.3	6.0	6.0	6.3	6.0	6.0	6.4
FINELAWN PETITE	8.3	6.7	6.3	5.3	5.3	6.3	6.4
PST-523	8.3	6.3	6.0	6.0	6.3	5.3	6.4
RENEGADE	8.3	6.0	5.7	6.3	5.3	6.7	6.4
PRO 8430	8.3	6.3	6.0	6.3	5.3	6.0	6.4
BONSAI 2000 (BULLET)	8.3	5.7	6.0	5.3	6.0	6.7	6.3
BULLDAWG (PICK GA-96)	8.7	6.0	7.3	5.3	5.0	5.7	6.3
ALAMO E	8.3	6.7	6.0	5.7	5.0	6.0	6.3
LEPRECHAUN	7.7	6.0	6.0	6.3	5.3	6.3	6.3
BAR FA6 US2U	8.0	6.3	5.7	6.0	5.7	6.0	6.3
CORONADO	8.0	6.0	6.7	5.7	5.7	5.7	6.3
DP 50-9011	8.3	5.3	5.7	5.3	6.3	6.7	6.3
SAFARI	7.7	6.3	5.3	6.7	6.0	5.7	6.3
WX3-275	8.7	6.3	6.0	6.0	4.7	6.0	6.3
ISI-TF11	8.3	5.7	6.0	5.7	5.7	6.0	6.2
ISI-TF9	8.0	5.3	6.3	5.7	6.0	6.0	6.2
OPI-951	8.3	6.7	6.0	6.0	5.0	5.3	6.2
SHENANDOAH	8.3	6.3	6.0	5.3	5.0	6.3	6.2
ZPS-5LZ	8.7	6.7	6.0	6.0	5.0	5.0	6.2
BAR FA6D USA	8.0	6.0	6.0	6.3	5.3	5.7	6.2
AZTEC II (TMI-AZ)	7.7	6.0	6.3	5.7	5.0	6.3	6.2

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER TRAFFIC STRESS AT MEAD, NE  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS							
NAME	APR	MAY	JUN	JUL	AUG	SEP	MEAN
PICK FA XK-95	8.0	6.3	6.0	6.3	4.7	5.7	6.2
ESII-TF-9	7.7	5.7	6.3	5.7	6.0	5.7	6.2
PST-5TO	7.7	5.7	6.0	6.3	6.0	5.3	6.2
SHORTSTOP II	7.7	6.0	6.7	5.3	6.3	5.0	6.2
WVPB-1D	8.0	6.0	6.0	6.3	5.7	5.0	6.2
AXIOM (ATF-192)	8.0	6.3	5.7	5.3	5.7	5.7	6.1
ESII-TF-10	8.0	6.0	5.7	5.3	6.0	5.7	6.1
ERAVO (RG-93)	7.7	6.3	6.3	5.3	5.7	5.3	6.1
MB 213	7.7	6.3	6.0	5.0	5.7	6.0	6.1
MB 28	8.0	6.0	5.3	6.0	5.7	5.7	6.1
ARABIA (J-5)	8.0	6.3	6.3	5.3	5.0	5.3	6.1
COMSTOCK (SSDE31)	8.0	5.3	5.7	6.0	5.3	6.0	6.1
PICK FA 15-92	8.0	5.7	6.3	5.3	4.3	6.3	6.0
ISI-TF10	7.7	6.3	5.3	5.7	5.0	5.7	5.9
ANTHEM II (TMI-FMN)	7.7	5.7	5.7	5.7	5.7	5.3	5.9
BONSAI	8.0	6.0	6.3	4.3	5.7	5.3	5.9
CHAPEL HILL (TA-7)	8.0	5.0	5.7	6.0	5.7	5.3	5.9
CORONADO GOLD (PST-5RT)	8.3	5.7	6.0	5.3	4.7	5.7	5.9
JTTFC-96	7.3	5.3	5.7	6.0	5.7	5.7	5.9
WVPB-1B	7.3	5.7	6.0	6.0	5.3	5.3	5.9
ARID	7.3	6.0	5.7	5.7	6.0	4.7	5.9
EA 41	8.0	6.3	5.3	5.3	4.7	5.7	5.9
BANDANA (PST-R5AE)	7.0	5.3	5.7	5.7	5.7	6.0	5.9
PICK FA UT-93	8.0	6.3	5.7	5.0	4.3	5.7	5.8
SRX 8084	8.3	6.0	5.0	5.0	5.7	5.0	5.8
COCHISE II	8.0	6.0	5.3	5.0	5.0	5.3	5.8
JTTFA-96	7.7	5.0	5.0	5.0	6.0	5.7	5.7
LION	7.7	5.0	5.0	5.3	6.0	5.3	5.7
TWILIGHT II (TMI-TW)	7.7	5.3	5.3	5.0	5.7	5.3	5.7
KITTY HAWK S.S.T. (SS45DW)	7.7	5.3	5.3	5.3	5.3	5.3	5.7
GOOD-EN (KOOS 96-14)	8.3	6.0	5.0	6.0	4.7	4.0	5.7
TITAN 2	7.3	5.3	5.3	5.0	5.3	5.7	5.7
JSC-1	8.0	5.7	5.7	5.0	5.0	4.3	5.6
WPEZE (WVPB-1C)	8.0	5.7	5.3	6.0	5.3	3.0	5.6
DP 7952	7.3	5.0	5.0	5.3	5.3	5.0	5.5
DLF-1	7.7	5.0	5.0	5.0	5.3	4.7	5.4
OFI-96-32	8.0	5.7	5.0	5.3	4.3	4.3	5.4
EQUINOX (TMI-N91)	7.7	4.7	4.7	4.3	5.3	5.0	5.3
AV-1	7.3	4.7	4.7	4.0	5.0	4.7	5.1
KENTUCKY-31 W/ENDO.	6.3	3.0	2.3	2.0	2.3	2.0	3.0
LSD VALUE	1.0	1.3	1.3	1.4	1.5	1.5	0.8
C.V. (%)	7.6	12.7	12.5	14.2	16.9	15.6	7.6

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 6.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
ON A ROADSIDE AT BLACKSTONE, VA 1/  
1998 DATA

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

NAME	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
KENTUCKY-31 W/ENDO.	7.0	6.0	5.3	6.3	7.7	7.3	6.7	6.7	6.3	6.6
OFI-FWY	6.7	7.0	7.0	6.3	5.3	5.7	6.7	7.3	6.7	6.5
JAGUAR 3	7.7	6.7	6.3	6.0	5.0	6.0	7.0	7.7	6.3	6.5
JTTFA-96	6.7	7.0	6.3	6.7	6.0	6.3	6.7	6.0	7.0	6.5
TITAN 2	7.3	6.3	6.3	6.7	6.3	6.3	6.7	6.3	6.3	6.5
OFI-96-32	7.3	6.3	6.3	6.0	6.0	6.0	6.7	6.7	7.0	6.5
BONSAI 2000 (BULLET)	7.3	6.7	6.3	6.7	5.7	6.0	6.7	6.7	6.0	6.4
ISI-TF9	7.0	6.3	6.0	6.7	5.7	6.0	6.7	7.0	6.7	6.4
RENEGADE	7.3	6.7	6.7	6.3	5.0	6.3	6.0	6.3	7.0	6.4
LION	7.0	6.0	6.7	6.3	6.3	5.7	6.7	6.7	6.0	6.4
AV-1	7.7	7.3	6.0	6.3	6.3	4.7	6.7	6.0	6.3	6.4
PST-523	7.0	6.7	6.7	6.3	5.3	6.3	6.0	7.0	6.0	6.4
SCORPION (ZPS-2PTF)	7.3	5.7	6.7	6.7	6.0	5.7	6.0	6.7	6.7	6.4
ARID	6.7	6.3	6.0	6.0	6.3	6.7	6.0	6.3	6.7	6.3
ISI-TF10	7.3	6.7	6.3	6.0	5.3	5.3	6.3	6.7	7.0	6.3
REMBRANDT (LTP-4026 E+)	7.0	6.3	6.3	6.3	5.0	6.7	6.3	7.0	6.0	6.3
WATCHDOG (PICK FA B-93)	7.7	7.0	6.3	6.0	5.7	4.7	6.7	7.0	6.0	6.3
ATF-257	6.7	6.3	6.0	6.3	6.0	6.7	6.3	6.7	5.7	6.3
BANDANA (PST-R5AE)	7.3	6.7	6.7	6.3	5.3	5.7	7.0	5.7	6.0	6.3
PRO 8430	7.3	6.3	5.7	6.7	5.3	6.0	6.7	6.7	6.0	6.3
REBEL SENTRY (AA-A91)	7.0	5.7	6.0	6.3	5.3	6.0	6.7	7.3	6.3	6.3
WVPB-1D	8.0	6.0	6.3	6.0	5.3	6.3	6.3	5.7	6.7	6.3
EA 41	7.0	7.0	5.7	6.0	6.0	6.3	6.7	5.7	6.0	6.3
PICK FA XK-95	7.0	6.3	6.3	6.7	5.7	6.0	6.0	6.3	6.0	6.3
PSII-TF-9	7.0	6.7	6.0	6.3	6.0	5.7	5.7	6.7	6.3	6.3
MB 211	7.7	6.0	6.3	6.7	5.3	6.0	5.7	6.7	5.7	6.2
MUSTANG II	7.3	5.7	6.0	6.0	6.0	6.0	6.0	6.3	6.7	6.2
SAFARI	7.0	6.3	6.3	6.0	6.0	5.0	6.0	6.3	7.0	6.2
SRX 8500	7.0	6.3	6.3	6.7	4.7	6.0	5.7	6.3	7.0	6.2
SOUTHERN CHOICE	6.7	6.0	6.7	6.0	5.7	5.3	6.0	7.0	6.7	6.2
AXIOM (ATF-192)	6.7	6.7	6.3	6.7	5.7	5.7	6.0	6.0	6.0	6.2
MASTERPIECE (LTP-SD-TF)	7.0	6.0	6.3	6.3	5.3	5.3	6.7	6.7	6.0	6.2
PICK FA 15-92	6.7	6.3	6.0	6.3	5.3	5.3	6.3	6.3	7.0	6.2
RED COAT (ATF-038)	7.0	6.3	6.0	5.7	5.7	5.3	6.7	6.3	6.7	6.2
SRX 8084	6.7	6.7	6.0	6.3	5.3	6.0	6.3	6.3	6.0	6.2
SUNPRO	7.3	6.3	6.3	6.3	5.7	5.7	6.3	6.0	5.7	6.2
TOMAHAWK-E	6.7	7.0	5.7	6.3	5.7	5.3	6.0	6.7	6.3	6.2
JTTFC-96	6.0	6.3	6.0	6.3	5.7	6.7	6.0	6.3	6.3	6.2
DP 7952	6.7	5.7	6.7	6.0	7.3	5.0	5.7	6.7	5.7	6.1
WVPB-1B	7.0	6.7	6.3	5.7	5.3	6.0	6.3	6.3	5.7	6.1
COCHISE II	7.3	7.3	6.7	6.3	4.7	5.3	6.0	6.0	5.7	6.1
PSII-TF-10	6.3	6.7	6.3	6.7	5.0	5.3	6.0	6.7	6.3	6.1
TWILIGHT II (IMI-TW)	7.0	6.7	6.0	6.3	5.3	5.3	6.3	6.7	5.7	6.1
COYOTE	7.0	6.3	6.3	6.0	4.3	5.7	6.0	7.0	6.3	6.1

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) ON A ROADSIDE AT BLACKSTONE, VA  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS

NAME	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
ARID 3 (J-98)	7.0	6.7	6.3	6.7	5.0	5.0	6.0	6.0	6.3	6.1
DLF-1	7.3	6.3	6.0	6.3	5.7	5.7	6.0	6.0	5.7	6.1
EMPRESS	7.7	7.0	6.0	6.7	5.3	5.3	5.3	5.7	6.0	6.1
PICK RT-95	7.0	6.7	6.0	6.0	5.0	6.0	6.3	6.3	5.7	6.1
APACHE II	7.3	5.3	5.7	6.7	5.0	6.0	6.3	6.0	6.3	6.1
CHAPEL HILL (TA-7)	7.3	6.3	6.3	6.0	6.0	5.0	5.7	6.0	6.0	6.1
CU9501T	6.7	6.7	5.7	6.3	5.7	5.7	5.7	6.7	5.7	6.1
DUSTER	7.7	7.0	6.0	6.0	4.7	5.0	6.3	6.3	5.7	6.1
PLANTATION (PENNINGTON-1901)	7.0	6.3	6.3	6.3	4.7	5.0	6.3	6.3	6.3	6.1
SHENANDOAH II (WRS2)	6.3	6.7	6.0	6.0	5.3	6.0	6.3	6.0	6.0	6.1
BAR FA 6D	7.3	6.7	6.0	6.3	5.3	4.3	6.3	6.3	5.7	6.0
FINELAWN PETITE	6.3	6.0	6.0	6.3	5.0	5.0	6.3	7.0	6.3	6.0
ISI-TF11	6.7	6.3	5.7	6.0	5.3	5.3	6.0	7.0	6.0	6.0
JSC-1	7.3	6.7	5.7	5.7	5.7	5.3	6.0	6.0	6.0	6.0
LEPRECHAUN	7.0	6.3	5.7	6.3	5.3	5.7	5.7	6.3	6.0	6.0
MARKSMAN	5.7	6.0	5.3	6.0	6.0	5.3	6.3	7.3	6.3	6.0
R5AU	7.0	6.0	5.3	6.0	5.3	5.7	5.7	6.7	6.7	6.0
ANTHEM II (TMI-FMN)	6.3	6.0	6.0	6.3	5.3	5.0	6.3	6.7	6.0	6.0
ATF-196	5.7	6.0	6.3	6.7	6.3	4.7	6.3	6.0	6.0	6.0
CORONADO	7.3	6.0	5.3	6.0	5.3	6.0	6.7	5.7	5.7	6.0
EQUINOX (TMI-N91)	6.7	5.3	6.7	6.0	5.3	5.3	6.0	6.7	6.0	6.0
PEDESTAL (PC-AO)	7.3	6.0	6.0	6.7	5.7	5.0	6.0	6.0	5.3	6.0
SR 8210	7.3	5.7	5.7	6.0	6.0	5.7	5.7	6.0	6.0	6.0
TAR HEEL	6.7	6.3	6.3	5.7	5.3	5.3	6.0	6.7	5.7	6.0
BAR FA6 US3	7.0	7.0	6.0	6.0	5.3	5.3	5.3	6.0	5.7	6.0
MB 28	7.0	6.7	6.0	6.3	6.3	4.7	5.3	5.3	6.0	6.0
MILLENNIUM (TMI-RBR)	7.3	6.3	5.7	7.0	4.7	5.0	6.0	6.0	5.7	6.0
BAR FA6 US6F	6.7	6.0	6.0	6.0	5.0	5.3	5.7	7.0	5.7	5.9
BRAVO (RG-93)	6.7	5.7	6.0	6.0	4.7	5.0	6.3	7.0	6.0	5.9
CU9502T	6.7	6.0	5.7	5.7	5.3	6.0	5.3	6.3	6.3	5.9
KITTY HAWK S.S.T. (SS45DW)	7.0	6.3	6.0	5.7	5.7	5.3	5.7	6.3	5.3	5.9
MB 216	6.7	5.7	6.0	6.3	5.0	5.7	5.3	6.3	6.3	5.9
OFI-931	6.3	5.7	6.0	6.3	5.3	5.0	6.0	6.3	6.3	5.9
REGIMENT	7.3	6.7	6.3	6.0	4.7	5.7	5.7	5.7	5.3	5.9
TULSA	7.3	5.7	5.7	5.0	5.7	5.7	6.0	6.3	6.0	5.9
WPEZE (WVPB-1C)	7.3	6.3	5.7	5.7	5.3	4.7	5.7	6.7	6.0	5.9
ATF-253	6.7	6.0	5.7	6.0	5.0	5.0	6.3	6.3	6.0	5.9
BAR FA6 US2U	7.0	5.3	6.7	6.3	4.7	5.0	6.0	6.3	5.7	5.9
MB 215	6.7	6.0	6.0	6.3	4.7	5.3	6.0	5.7	6.3	5.9
PST-5M5	6.3	5.7	6.0	5.7	5.7	6.0	5.7	6.0	6.0	5.9
VELOCITY (AA-983)	6.3	6.3	6.0	5.3	5.3	5.7	6.0	5.7	6.3	5.9
ATF-188	6.7	6.3	6.3	6.0	4.7	5.3	6.0	6.0	5.7	5.9
CROSSFIRE II	7.3	6.3	6.3	6.3	4.3	5.3	5.7	5.7	5.7	5.9
EC-101	6.7	6.3	5.0	6.7	5.7	5.0	5.7	6.0	6.0	5.9
ARABIA (J-5)	6.0	5.7	6.0	6.7	4.3	5.3	6.3	6.7	5.7	5.9

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
ON A ROADSIDE AT BLACKSTONE, VA  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS										
NAME	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
BULLDAWG (PICK GA-96)	7.0	6.0	6.0	6.0	4.3	5.0	6.7	6.0	5.7	5.9
COMSTOCK (SSDE31)	6.7	5.3	5.3	6.0	5.7	5.3	6.0	6.3	6.0	5.9
DP 50-9011	7.0	6.0	5.7	5.3	5.7	5.3	5.3	6.3	6.0	5.9
MB 212	6.7	5.7	5.3	6.0	5.3	5.3	6.3	6.3	5.7	5.9
PICK FA N-93	6.7	6.0	6.0	6.0	4.7	5.0	6.3	5.7	6.3	5.9
SHORTSTOP II	6.3	6.0	6.7	6.3	4.3	5.0	5.7	6.7	5.7	5.9
AZTEC II (TMI-AZ)	6.3	6.3	5.7	6.0	5.3	5.0	6.0	6.0	5.7	5.8
MB 210	6.7	6.3	5.7	6.3	5.0	4.7	6.0	5.7	6.0	5.8
ALAMO E	6.0	5.7	6.0	6.0	5.0	4.7	6.3	6.3	6.3	5.8
ATF-020	7.0	6.0	6.0	6.0	4.7	5.0	6.0	6.0	5.7	5.8
MB 26	6.3	6.7	7.0	5.3	5.0	4.7	5.7	6.0	5.7	5.8
PIXIE E+	6.7	5.7	5.7	6.3	5.0	5.3	5.7	6.3	5.7	5.8
ATF-022	7.3	5.7	6.3	5.3	5.0	5.7	6.0	5.7	5.0	5.8
BAR FA6 US1	6.3	5.3	6.3	6.0	5.0	5.0	6.0	6.7	5.3	5.8
MB 214	7.3	6.0	5.7	6.0	5.3	4.7	5.7	5.3	6.0	5.8
OFI-96-31	7.0	5.3	5.3	6.3	5.0	5.7	6.0	5.7	5.7	5.8
PICK FA 20-92	6.3	6.7	6.0	6.0	4.7	5.0	6.0	5.7	5.7	5.8
WX3-275	7.0	6.0	6.0	6.0	5.0	5.0	5.7	5.3	6.0	5.8
BAR FA 6LV	6.0	6.7	6.7	5.3	5.0	4.3	5.7	6.0	6.0	5.7
BAR FA6D USA	7.0	6.0	6.3	6.0	4.7	5.3	5.0	5.3	6.0	5.7
BONSAI	6.3	5.3	6.0	5.7	6.0	5.3	5.3	6.0	5.7	5.7
CORONADO GOLD (PST-5RT)	6.7	5.7	6.7	5.7	4.7	5.3	5.3	5.3	6.3	5.7
FALCON II	6.0	5.3	5.3	6.3	5.7	6.0	5.7	5.7	5.7	5.7
GOOD-EN (KOOS 96-14)	6.7	5.7	6.0	6.0	5.3	4.7	5.7	6.0	5.7	5.7
MB 213	6.3	6.0	6.0	6.3	5.0	4.7	6.0	5.7	5.7	5.7
OFI-951	6.3	6.0	6.0	6.0	5.3	5.0	5.7	5.7	5.7	5.7
RESERVE (ATF-182)	6.3	6.0	5.7	6.0	5.0	4.7	5.7	5.7	6.7	5.7
MB 29	6.0	6.0	5.3	5.3	4.7	5.7	6.0	6.0	6.3	5.7
PST-5TO	6.7	6.0	6.0	6.0	5.0	4.0	6.3	6.0	5.3	5.7
SHENANDOAH	6.3	5.3	5.0	5.7	5.0	6.0	5.7	6.3	6.0	5.7
GENESIS	6.7	6.0	5.7	5.3	4.7	6.0	5.0	6.3	5.3	5.7
OLYMPIC GOLD (PST-5E5)	6.0	6.0	4.7	6.7	4.7	5.0	5.7	6.0	6.3	5.7
WOLFPACK (PST-R5TK)	6.7	5.7	6.0	6.0	4.7	4.7	5.7	6.3	5.3	5.7
ZPS-5LZ	6.7	6.3	6.3	5.3	5.0	4.3	5.7	6.0	5.3	5.7
ARID 2 (J-3)	7.0	5.3	6.3	5.7	4.7	4.7	5.7	5.7	5.3	5.6
PICK FA 6-91	7.0	5.7	5.7	5.3	4.0	4.0	6.3	5.0	6.0	5.4
BRANDY (J-101)	6.0	5.7	6.0	5.0	4.7	5.3	5.0	5.0	6.0	5.4
GAZELLE	6.0	5.0	5.3	5.3	4.3	4.7	6.0	5.7	6.3	5.4
PICK FA UT-93	6.7	5.3	5.7	5.3	3.7	4.0	6.0	5.7	6.3	5.4
REBEL 2000 (AA-989)	6.7	5.3	5.7	5.7	4.7	4.3	5.3	5.7	5.3	5.4
LSD VALUE	1.3	1.3	1.2	1.0	1.6	1.5	1.2	1.3	1.1	0.7
C.V. (%)	12.3	13.2	12.6	10.1	18.4	17.6	12.1	13.1	11.6	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 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
AT DIFFERENT NITROGEN LEVELS 1/  
1998 DATA

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

NAME	NITROGEN LEVEL (LBS OF N/1000 SQ. FT./YEAR)				MEAN
	0.0-2.0	2.1-3.0	3.1-4.0	4.1+	
REMBRANDT (LTP-4026 E+)	5.3	6.6	6.4	6.2	6.4
PLANTATION (PENNINGTON-1901)	6.0	6.5	6.3	6.2	6.4
MILLENNIUM (TMI-RBR)	5.8	6.3	6.2	6.0	6.2
SHENANDOAH II (WRS2)	5.6	6.4	6.1	6.1	6.2
SCORPION (ZPS-2PTF)	5.3	6.3	6.1	6.2	6.1
PICK RT-95	4.7	6.3	6.1	5.9	6.1
MASTERPIECE (LTP-SD-TF)	5.1	6.2	6.1	5.8	6.1
JAGUAR 3	5.0	6.2	6.0	6.2	6.0
CROSSFIRE II	5.7	6.0	6.1	5.8	6.0
WATCHDOG (PICK FA B-93)	5.5	6.2	5.9	5.9	6.0
COYOTE	5.3	6.3	5.8	5.9	6.0
REBEL SENTRY (AA-A91)	5.5	6.3	5.8	5.8	6.0
PST-523	5.4	6.1	5.9	5.9	6.0
OLYMPIC GOLD (PST-5E5)	5.1	6.3	5.8	5.9	6.0
PST-5M5	5.3	6.3	5.7	6.1	5.9
ARID 3 (J-98)	4.7	6.1	6.0	5.7	5.9
MB 26	4.8	6.2	5.8	6.0	5.9
TAR HEEL	5.2	6.1	5.9	5.8	5.9
WOLFPACK (PST-R5TK)	5.3	6.3	5.7	5.7	5.9
GAZELLE	5.2	6.1	5.9	5.4	5.9
CU9502T	5.0	6.2	5.8	5.4	5.9
MB 29	5.2	6.2	5.6	6.1	5.9
MB 211	4.3	6.1	5.8	6.0	5.9
MB 212	5.1	6.1	5.8	5.7	5.8
SOUTHERN CHOICE	5.2	6.1	5.7	5.8	5.8
MB 213	5.2	6.0	5.7	6.0	5.8
BONSAI 2000 (BULLET)	5.5	5.9	5.9	5.4	5.8
BRANDY (J-101)	5.4	6.0	5.8	5.7	5.8
OFI-931	5.1	6.1	5.7	5.5	5.8
BAR FA6 US3	4.8	6.0	5.8	5.8	5.8
ZPS-5LZ	5.4	6.1	5.7	5.7	5.8
GENESIS	5.3	6.2	5.7	5.6	5.8
CU9501T	5.6	6.2	5.6	5.6	5.8
MUSTANG II	5.1	5.9	5.8	5.7	5.8
ATF-196	4.9	5.9	5.8	5.7	5.8
PIXIE E+	5.9	6.2	5.6	5.4	5.8
BAR FA6D USA	4.9	6.2	5.7	5.5	5.8
MB 28	5.9	6.1	5.6	5.8	5.8
BAR FA6 US2U	4.9	6.0	5.7	5.8	5.8
EMRESS	5.3	6.0	5.8	5.5	5.8
RESERVE (ATF-182)	4.5	6.1	5.7	5.7	5.8
ISI-TF11	5.8	6.0	5.7	5.6	5.8
BAR FA 6D	5.0	6.0	5.7	5.7	5.8
ANTHEM II (TMI-FMN)	5.3	5.9	5.8	5.6	5.8
MB 216	5.8	6.2	5.5	5.7	5.8



TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) AT DIFFERENT NITROGEN LEVELS  
 1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	NITROGEN LEVEL (LBS OF N/1000 SQ. FT./YEAR)				MEAN
	0.0-2.0	2.1-3.0	3.1-4.0	4.1+	
MB 214	5.0	6.2	5.6	5.7	5.8
MB 210	4.7	6.0	5.7	5.7	5.7
CHAPEL HILL (TA-7)	4.8	6.1	5.6	5.7	5.7
BRAVO (RG-93)	5.1	6.1	5.6	5.6	5.7
MB 215	5.1	6.2	5.4	5.9	5.7
TULSA	5.6	6.0	5.5	5.9	5.7
REBEL 2000 (AA-989)	5.3	6.1	5.5	5.7	5.7
CORONADO	5.3	5.8	5.7	5.7	5.7
AZTEC II (TMI-AZ)	5.5	6.0	5.7	5.3	5.7
RED COAT (ATF-038)	5.2	6.0	5.5	6.0	5.7
RENEGADE	6.3	6.1	5.4	5.5	5.7
R5AU	5.2	6.0	5.6	5.8	5.7
SRX 8500	4.8	5.9	5.7	5.7	5.7
SUNPRO	4.6	6.0	5.7	5.7	5.7
SHENANDOAH	5.6	6.0	5.6	5.4	5.7
ATF-188	4.9	6.0	5.7	5.4	5.7
PST-5TO	4.2	6.0	5.6	5.8	5.7
ATF-257	4.8	5.8	5.7	5.6	5.7
ARID 2 (J-3)	4.3	5.9	5.7	5.5	5.7
APACHE II	5.0	5.9	5.6	5.7	5.7
OFI-96-31	4.9	6.0	5.6	5.6	5.7
TWILIGHT II (TMI-TW)	5.2	6.1	5.5	5.5	5.7
BAR FA6 US1	4.4	5.9	5.6	5.6	5.7
BANDANA (PST-R5AE)	5.4	6.2	5.4	5.5	5.7
LION	5.0	6.1	5.4	6.0	5.7
DUSTER	5.6	6.0	5.6	5.4	5.7
ISI-TF9	4.8	5.9	5.6	5.6	5.7
BAR FA 6LV	4.9	5.9	5.7	5.5	5.7
ALAMO E	5.2	6.0	5.5	5.7	5.7
BULLDAWG (PICK GA-96)	4.3	5.9	5.7	5.4	5.7
SR 8210	5.2	5.9	5.5	5.6	5.7
SAFARI	5.4	6.1	5.5	5.3	5.7
OFI-951	4.7	6.0	5.5	5.7	5.7
PICK FA XK-95	4.8	5.8	5.6	5.7	5.7
PRO 8430	5.3	5.9	5.6	5.5	5.6
REGIMENT	5.8	6.0	5.4	5.4	5.6
CORONADO GOLD (PST-5RT)	4.8	5.9	5.4	5.9	5.6
ARABIA (J-5)	4.6	5.8	5.5	5.7	5.6
VELOCITY (AA-983)	3.9	6.1	5.4	5.7	5.6
OFI-FWY	4.9	5.8	5.5	5.6	5.6
EA 41	4.9	6.1	5.3	5.8	5.6
PICK FA 20-92	4.6	5.8	5.6	5.4	5.6
WX3-275	5.4	5.7	5.6	5.3	5.6
BAR FA6 US6F	5.3	6.0	5.3	5.5	5.6
FINELAWN PETITE	5.6	5.9	5.4	5.4	5.6

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) AT DIFFERENT NITROGEN LEVELS  
 1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	NITROGEN LEVEL (LBS OF N/1000 SQ. FT./YEAR)				MEAN
	0.0-2.0	2.1-3.0	3.1-4.0	4.1+	
COCHISE II	4.9	5.9	5.4	5.8	5.6
ATF-253	5.1	5.8	5.5	5.6	5.6
SHORTSTOP II	5.1	5.7	5.5	5.5	5.6
ATF-022	5.0	5.8	5.5	5.5	5.6
ISI-TF10	4.5	5.9	5.3	5.8	5.6
GOOD-EN (KOOS 96-14)	4.7	5.9	5.4	5.3	5.5
FALCON II	5.1	6.0	5.4	5.2	5.5
OFI-96-32	5.3	5.9	5.3	5.5	5.5
TITAN 2	6.2	5.8	5.4	5.3	5.5
PICK FA N-93	4.2	5.7	5.6	5.3	5.5
MARKSMAN	5.6	5.8	5.4	5.3	5.5
TOMAHAWK-E	4.6	5.9	5.4	5.2	5.5
ATF-020	4.6	5.8	5.4	5.4	5.5
PICK FA 15-92	4.7	5.6	5.5	5.6	5.5
PICK FA 6-91	4.4	5.8	5.3	5.5	5.5
PEDESTAL (PC-AO)	4.9	5.9	5.4	5.1	5.5
SRX 8084	5.2	5.9	5.3	5.3	5.5
EC-101	4.5	5.9	5.3	5.4	5.5
PSII-TF-9	5.3	5.8	5.3	5.3	5.5
PSII-TF-10	5.3	5.8	5.3	5.2	5.5
WEEZE (WVPB-1C)	5.1	5.9	5.2	5.2	5.4
LEPRECHAUN	5.4	5.8	5.2	5.3	5.4
WVPB-1B	5.0	5.8	5.3	5.2	5.4
WVPB-1D	5.3	5.9	5.2	5.3	5.4
KITTY HAWK S.S.T. (SS45DW)	4.8	5.8	5.4	5.0	5.4
COMSTOCK (SSDE31)	4.6	5.9	5.1	5.5	5.4
EQUINOX (TMI-N91)	4.3	5.8	5.2	5.3	5.4
BONSAI	4.7	5.7	5.2	5.2	5.4
AXIOM (ATF-192)	4.9	5.6	5.2	5.3	5.3
DP 50-9011	4.3	5.7	5.2	5.2	5.3
JTTFC-96	5.1	5.6	5.0	5.2	5.2
PICK FA UT-93	4.2	5.4	5.3	5.1	5.2
JSC-1	5.2	5.7	5.0	4.9	5.2
JTFA-96	5.1	5.7	4.9	4.9	5.2
ARID	6.1	5.5	4.7	4.9	5.0
DLF-1	4.9	5.5	4.7	4.9	5.0
DP 7952	5.3	5.4	4.7	4.6	4.9
AV-1	4.9	5.3	4.3	4.4	4.7
KENTUCKY-31 W/ENDO.	5.9	4.5	3.2	4.1	3.8
LSD VALUE	1.3	0.3	0.3	0.4	0.2
C.V. (%)	15.6	7.5	10.2	7.9	9.3

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 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT 0.0-2.0 LBS OF NITROGEN/1000 SQ. FT./YEAR 1/  
1998 DATA

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

NAME	IA1	NAME	IA1
RENEGADE	6.3	REMBRANDT (LTP-4026 E+)	5.3
TITAN 2	6.2	WOLFPACK (PST-R5TK)	5.3
ARID	6.1	WVPB-1D	5.3
PLANTATION (PENNINGTON-1901)	6.0	ALAMO E	5.2
MB 28	5.9	GAZELLE	5.2
KENTUCKY-31 W/ENDO.	5.9	JSC-1	5.2
PIXIE E+	5.9	MB 213	5.2
ISI-TF11	5.8	R5AU	5.2
MILLENNIUM (TMI-RBR)	5.8	SOUTHERN CHOICE	5.2
MB 216	5.8	TAR HEEL	5.2
REGIMENT	5.8	MB 29	5.2
CROSSFIRE II	5.7	RED COAT (ATF-038)	5.2
CU9501T	5.6	SR 8210	5.2
MARKSMAN	5.6	SRX 8084	5.2
SHENANDOAH	5.6	TWILIGHT II (TMI-TW)	5.2
SHENANDOAH II (WRS2)	5.6	ATF-253	5.1
DUSTER	5.6	MB 212	5.1
TULSA	5.6	WPEZE (WVPB-1C)	5.1
FINELAWN PETITE	5.6	FALCON II	5.1
AZTEC II (TMI-AZ)	5.5	OFI-931	5.1
BONSAI 2000 (BULLET)	5.5	JTTFC-96	5.1
REBEL SENTRY (AA-A91)	5.5	OLYMPIC GOLD (PST-5E5)	5.1
WATCHDOG (PICK FA B-93)	5.5	SHORTSTOP II	5.1
LEPRECHAUN	5.4	BRAVO (RG-93)	5.1
WX3-275	5.4	MUSTANG II	5.1
BANDANA (PST-R5AE)	5.4	JTTFA-96	5.1
BRANDY (J-101)	5.4	MASTERPIECE (LTP-SD-TF)	5.1
PST-523	5.4	MB 215	5.1
SAFARI	5.4	APACHE II	5.0
ZPS-5LZ	5.4	ATF-022	5.0
CORONADO	5.3	BAR FA 6D	5.0
COYOTE	5.3	CU9502T	5.0
GENESIS	5.3	JAGUAR 3	5.0
PRO 8430	5.3	LION	5.0
SCORPION (ZPS-2PTF)	5.3	MB 214	5.0
ANTHEM II (TMI-FMN)	5.3	WVPB-1B	5.0
BAR FA6 US6F	5.3	AXIOM (ATF-192)	4.9
DP 7952	5.3	BAR FA 6LV	4.9
EMPRESS	5.3	BAR FA6 US2U	4.9
OFI-96-32	5.3	BAR FA6D USA	4.9
PSII-TF-10	5.3	DLF-1	4.9
PSII-TF-9	5.3	EA 41	4.9
PST-5M5	5.3	OFI-96-31	4.9
REBEL 2000 (AA-989)	5.3	OFI-FWY	4.9

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) GROWN AT 0.0-2.0 LBS OF NITROGEN/1000 SQ. FT./YEAR  
 1998 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IA1
ATF-188	4.9
ATF-196	4.9
COCHISE II	4.9
AV-1	4.9
PEDESTAL (PC-AO)	4.9
ATF-257	4.8
CHAPEL HILL (TA-7)	4.8
CORONADO GOLD (PST-5RT)	4.8
PICK FA XK-95	4.8
SFX 8500	4.8
BAR FA6 US3	4.8
ISI-TF9	4.8
KITTY HAWK S.S.T. (SS45DW)	4.8
MB 26	4.8
BONSAI	4.7
PICK RT-95	4.7
ARID 3 (J-98)	4.7
GOOD-EN (KOOS 96-14)	4.7
MB 210	4.7
OFT-951	4.7
PICK FA 15-92	4.7
ATF-020	4.6
PICK FA 20-92	4.6
COMSTOCK (SSDE31)	4.6
ARABIA (J-5)	4.6
SUNPRO	4.6
TOMAHAWK-E	4.6
EC-101	4.5
ISI-TF10	4.5
RESERVE (ATF-182)	4.5
BAR FA6 US1	4.4
PICK FA 6-91	4.4
ARID 2 (J-3)	4.3
BULLDAWG (PICK GA-96)	4.3
DP 50-9011	4.3
EQUINOX (TMI-N91)	4.3
MB 211	4.3
PICK FA N-93	4.2
PST-5TO	4.2
PICK FA UT-93	4.2
VELOCITY (AA-983)	3.9
LSD VALUE	1.3
C.V. (%)	15.6

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 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT 2.1-3.0 LBS OF NITROGEN/1000 SQ. FT./YEAR 1/  
1998 DATA

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

NAME	MD1	MI1	MO3	OH1	OK1	VA1	VA4	WA1	MEAN
REMBRANDT (LTP-4026 E+)	5.8	6.3	7.1	8.2	6.9	6.1	6.1	5.9	6.6
PLANTATION (PENNINGTON-1901)	5.4	6.5	7.3	8.3	6.9	6.1	5.8	6.0	6.5
SHENANDOAH II (WRS2)	5.3	6.0	6.9	8.1	6.6	6.3	6.0	6.1	6.4
PST-5M5	5.0	6.3	6.8	7.5	6.7	6.2	6.2	5.7	6.3
COYOTE	4.9	5.8	6.6	8.3	6.6	6.1	6.2	5.9	6.3
MILLENNIUM (TMI-RBR)	5.1	6.3	6.6	8.0	6.7	5.8	6.1	5.9	6.3
OLYMPIC GOLD (PST-5E5)	4.8	6.5	6.7	7.9	6.5	6.1	6.1	5.8	6.3
WOLFPACK (PST-R5TK)	5.3	6.3	6.6	7.4	6.9	6.2	6.0	5.7	6.3
SCORPION (ZPS-2PTF)	5.2	6.0	6.9	8.3	6.3	5.4	6.1	6.0	6.3
PICK RT-95	4.6	6.1	7.3	8.1	6.3	5.6	6.4	5.8	6.3
REBEL SENTRY (AA-A91)	5.8	5.6	7.0	8.2	6.4	5.4	5.9	5.8	6.3
CU9502T	5.4	6.3	6.4	8.0	6.2	6.0	6.1	5.7	6.2
MASTERPIECE (LTP-SD-TF)	5.0	5.9	7.0	7.7	6.4	5.6	6.4	6.0	6.2
PIXIE E+	5.5	6.1	6.5	7.6	6.4	6.0	6.0	5.9	6.2
MB 29	4.7	6.3	6.7	7.8	6.3	5.8	6.0	6.1	6.2
MB 215	4.6	6.2	7.2	7.9	6.3	6.1	5.7	6.0	6.2
WATCHDOG (PICK FA B-93)	5.1	6.3	6.5	8.1	6.7	5.3	6.2	5.6	6.2
JAGUAR 3	4.4	5.9	6.9	8.3	6.6	5.9	6.0	5.7	6.2
MB 26	4.7	6.1	7.2	8.7	6.4	5.1	5.6	6.0	6.2
GENESIS	5.3	.	6.3	7.3	6.4	6.3	6.0	5.7	6.2
CU9501T	5.5	5.7	6.8	8.0	6.4	5.6	5.9	5.6	6.2
BAR FA6D USA	5.2	5.8	6.9	7.8	6.6	5.4	5.9	5.9	6.2
MB 216	4.4	6.4	7.1	7.8	6.3	5.6	5.8	6.0	6.2
MB 214	4.8	5.8	7.0	8.1	6.0	5.8	5.6	6.1	6.2
BANDANA (PST-R5AE)	5.1	6.2	6.2	7.7	6.6	5.7	6.1	5.6	6.2
OFI-931	5.1	5.7	6.8	7.9	6.3	5.7	6.0	5.8	6.1
CHAPEL HILL (TA-7)	4.9	6.4	6.3	7.6	6.2	6.1	5.9	5.7	6.1
RENEGADE	5.4	5.9	6.3	7.7	6.4	6.0	6.0	5.5	6.1
ARID 3 (J-98)	5.5	5.7	7.2	8.1	6.0	4.9	5.9	5.9	6.1
REBEL 2000 (AA-989)	5.2	5.6	6.5	7.7	5.9	6.0	5.9	6.2	6.1
MB 211	4.4	6.4	6.6	8.1	6.5	5.6	5.7	5.7	6.1
PST-523	4.9	6.0	6.3	7.8	6.7	5.5	6.1	5.8	6.1
VELOCITY (AA-983)	4.6	6.0	7.0	7.8	6.3	5.6	5.7	5.9	6.1
SOUTHERN CHOICE	5.0	6.4	6.3	7.8	6.3	5.7	5.9	5.6	6.1
GAZELLE	5.2	5.6	6.5	8.3	6.2	5.4	6.0	5.7	6.1
LION	4.8	6.2	6.8	7.8	6.4	5.4	6.0	5.6	6.1
ZPS-5LZ	4.5	5.4	7.3	8.3	6.3	5.5	5.8	5.8	6.1
MB 212	4.0	6.5	6.7	7.8	6.4	5.6	6.1	5.8	6.1
EA 41	5.0	6.0	6.6	7.8	6.2	5.4	5.7	6.0	6.1
SAFARI	5.3	6.5	6.0	7.8	6.3	5.9	5.9	5.1	6.1
MB 28	4.6	6.3	6.7	7.3	6.3	5.5	5.9	6.0	6.1
BRAVO (RG-93)	4.7	5.8	6.8	7.6	6.0	5.7	6.1	5.9	6.1
TAR HEEL	4.3	6.3	6.4	7.7	6.3	6.0	5.9	5.7	6.1
RESERVE (ATF-182)	5.0	5.8	6.0	7.8	6.4	6.1	5.9	5.7	6.1

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT 2.1-3.0 LBS OF NITROGEN/1000 SQ. FT./YEAR  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MD1	MI1	MO3	OH1	OK1	VA1	VA4	WA1	MEAN
TWILIGHT II (TMI-TW)	4.4	6.2	7.0	7.2	6.5	5.5	6.0	5.8	6.1
BAR FA6 US6F	4.6	5.8	6.5	7.8	6.4	5.5	6.0	5.8	6.0
MB 213	4.2	6.0	7.1	7.8	6.1	5.5	5.5	6.1	6.0
BAR FA 6D	5.2	6.4	6.0	7.8	6.3	4.9	5.8	5.9	6.0
ISI-TF11	4.7	5.8	6.3	7.5	6.3	5.9	6.0	5.6	6.0
BRANDY (J-101)	4.2	6.3	6.7	7.9	6.3	5.3	6.0	5.6	6.0
R5AU	4.4	6.3	6.8	7.3	6.3	5.8	5.8	5.6	6.0
TULSA	4.5	6.1	6.4	8.2	6.3	5.2	5.8	5.7	6.0
BAR FA6 US3	4.1	5.5	6.9	7.8	6.7	5.0	6.0	6.1	6.0
PST-5TO	4.4	6.1	6.4	7.8	6.3	5.4	6.0	5.7	6.0
CROSSFIRE II	4.0	5.8	6.6	7.8	6.6	5.7	6.0	5.7	6.0
REGIMENT	5.0	6.0	6.1	7.6	6.1	5.8	6.0	5.5	6.0
RED COAT (ATF-038)	4.4	6.3	6.3	7.8	6.4	5.8	5.4	5.6	6.0
OFI-96-31	4.2	5.9	6.7	7.8	6.4	5.5	5.8	5.8	6.0
SHENANDOAH	5.6	6.2	5.8	7.4	6.2	5.9	5.7	5.1	6.0
MB 210	5.0	5.9	6.5	7.7	6.2	5.3	5.9	5.4	6.0
FALCON II	5.3	6.0	5.8	7.3	6.1	5.6	5.9	5.6	6.0
ALAMO E	4.6	6.3	6.2	7.9	6.3	5.1	5.6	5.8	6.0
AZTEC II (TMI-AZ)	3.8	6.4	6.5	8.0	6.1	5.1	6.1	5.6	6.0
EMPRESS	5.0	5.6	6.2	7.9	6.1	5.4	5.8	5.7	6.0
OFI-951	4.7	6.0	6.7	7.8	6.2	4.7	5.8	5.9	6.0
ATF-188	4.3	6.3	6.0	7.9	6.4	5.3	5.7	5.7	6.0
DUSTER	4.9	5.8	6.4	7.5	6.4	5.5	5.7	5.6	6.0
SUNPRO	4.8	5.6	6.3	7.9	6.2	5.2	5.7	6.0	6.0
BAR FA6 US2U	4.7	5.8	6.5	7.7	6.0	5.3	5.9	6.0	6.0
ATF-196	4.8	5.2	6.8	7.8	6.2	5.3	5.6	5.9	5.9
SR 8210	4.0	6.2	6.4	8.0	6.1	5.2	6.0	5.5	5.9
BAR FA6 US1	4.8	5.6	6.7	8.3	6.3	4.3	5.6	5.9	5.9
GOOD-EN (KOOS 96-14)	4.6	5.9	6.0	7.5	6.3	5.9	5.7	5.7	5.9
BULLDAWG (PICK GA-96)	4.6	5.5	6.3	7.5	6.2	5.6	6.0	5.7	5.9
COMSTOCK (SSDE31)	4.4	6.3	5.6	7.4	6.2	6.3	5.6	5.6	5.9
ARID 2 (J-3)	4.6	6.3	6.5	7.8	5.7	5.2	5.7	5.7	5.9
CORONADO GOLD (PST-5RT)	3.7	5.9	6.4	7.7	6.4	5.7	6.0	5.7	5.9
ISI-TF9	4.4	6.1	6.1	7.3	6.5	5.5	5.9	5.5	5.9
ISI-TF10	4.1	6.3	6.2	7.4	6.5	5.5	5.3	5.8	5.9
BAR FA 6LV	4.9	5.7	6.2	8.0	6.0	5.1	5.6	5.7	5.9
SRX 8500	4.6	5.9	6.3	7.4	6.5	5.0	5.8	5.8	5.9
ANTHEM II (TMI-FMN)	4.1	6.4	6.1	7.4	6.3	5.0	6.1	5.6	5.9
EC-101	3.8	6.4	6.3	7.7	6.2	5.5	5.8	5.5	5.9
OFI-96-32	4.1	5.9	6.2	7.6	6.3	5.9	5.6	5.6	5.9
WVPB-1D	4.3	6.1	6.2	7.3	6.4	5.8	5.6	5.5	5.9
FINELAWN PETITE	4.6	5.3	5.9	7.8	6.4	5.6	5.8	5.7	5.9
APACHE II	5.0	5.6	6.0	7.2	6.1	5.6	5.9	5.6	5.9
WPEZE (WVPB-1C)	4.8	5.9	5.9	7.4	6.1	6.0	5.7	5.4	5.9
COCHISE II	4.7	5.4	6.2	8.0	6.4	5.2	5.5	5.7	5.9

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT 2.1-3.0 LBS OF NITROGEN/1000 SQ. FT./YEAR  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MD1	MI1	MO3	OH1	OK1	VA1	VA4	WA1	MEAN
SRX 8084	4.4	6.2	6.0	7.6	6.1	5.6	5.9	5.2	5.9
MUSTANG II	4.3	6.1	6.2	7.5	6.7	4.9	6.0	5.4	5.9
PEDESTAL (PC-AO)	4.0	6.1	6.4	7.4	6.0	5.8	5.7	5.5	5.9
BONSAI 2000 (BULLET)	4.7	5.6	6.2	7.7	6.4	5.0	5.8	5.5	5.9
PRO 8430	4.3	5.7	6.0	7.7	6.2	5.6	5.8	5.5	5.9
TOMAHAWK-E	4.1	6.1	6.1	7.5	6.0	5.5	5.6	5.8	5.9
OPI-FWY	4.4	5.6	5.8	7.4	6.4	5.6	5.8	5.7	5.8
ATF-257	4.6	6.0	5.9	7.5	6.1	5.6	5.7	5.3	5.8
PICK FA 20-92	4.7	5.1	6.7	7.6	6.4	4.9	5.4	6.0	5.8
PSII-TF-9	4.7	6.1	6.0	7.2	6.3	5.6	5.4	5.4	5.8
WVPB-1B	4.7	5.9	6.1	7.4	6.1	5.8	5.4	5.4	5.8
MARKSMAN	4.0	6.1	5.7	7.8	6.3	5.3	6.0	5.5	5.8
CORONADO	3.8	5.5	6.5	7.8	6.1	5.4	5.7	5.7	5.8
ARABIA (J-5)	4.0	5.5	6.7	7.3	6.1	4.9	5.9	6.1	5.8
LEPRECHAUN	5.1	5.7	5.8	7.3	6.1	5.4	5.5	5.6	5.8
PSII-TF-10	4.0	5.8	6.2	7.3	6.3	5.8	5.6	5.6	5.8
PICK FA 6-91	4.6	5.2	6.7	7.5	6.3	4.6	5.6	6.0	5.8
ATF-020	4.4	5.8	6.3	7.4	6.1	5.2	5.5	5.7	5.8
ATF-022	4.3	5.8	6.0	7.5	6.2	5.7	5.3	5.5	5.8
TITAN 2	5.3	6.0	5.6	7.3	6.1	5.7	5.5	5.0	5.8
ATF-253	3.8	5.7	6.3	7.3	6.4	5.6	5.6	5.7	5.8
PICK FA XK-95	3.7	5.3	6.4	7.6	6.3	5.5	5.7	5.8	5.8
EQUINOX (TMI-N91)	4.6	6.1	5.7	7.2	6.1	5.3	5.7	5.6	5.8
KITTY HAWK S.S.T. (SS45DW)	3.9	5.9	6.0	7.5	6.1	5.6	5.7	5.5	5.8
WX3-275	3.9	5.8	6.0	7.4	6.1	5.4	5.7	5.5	5.7
BONSAI	3.9	6.3	5.8	7.3	6.3	5.3	5.4	5.6	5.7
PICK FA N-93	4.2	4.9	6.7	7.9	6.4	4.2	5.4	6.0	5.7
DP 50-9011	4.7	6.2	6.0	7.6	6.0	4.7	5.3	5.3	5.7
SHORTSTOP II	5.1	4.9	6.3	7.6	6.0	4.6	5.6	5.7	5.7
JTTFA-96	5.5	6.1	5.3	7.3	6.2	5.0	5.3	4.7	5.7
JSC-1	3.9	6.1	5.9	7.3	5.8	5.6	5.3	5.4	5.7
JTTFC-96	4.4	6.4	5.6	6.8	6.4	5.3	5.4	4.7	5.6
AXIOM (ATF-192)	4.1	5.9	5.7	6.7	6.0	5.4	5.6	5.4	5.6
PICK FA 15-92	3.9	5.6	6.4	7.2	5.6	4.7	5.2	5.9	5.6
DLF-1	4.0	6.2	5.3	7.1	6.1	5.4	5.1	4.9	5.5
ARID	4.9	6.3	4.9	7.0	6.0	5.2	5.0	4.6	5.5
DP 7952	5.0	6.1	5.4	7.2	5.6	4.7	5.0	4.5	5.4
PICK FA UT-93	3.8	4.3	6.4	7.8	5.9	4.0	5.2	5.6	5.4
AV-1	3.9	6.2	5.1	6.6	5.3	5.4	5.0	4.9	5.3
KENTUCKY-31 W/ENDO.	3.6	6.6	3.5	5.2	5.2	4.0	4.0	3.5	4.5
LSD VALUE	1.1	0.8	0.6	0.6	0.7	0.8	0.5	0.4	0.3
C.V. (%)	15.4	8.4	5.4	4.7	6.9	8.7	5.8	4.1	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 10.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT 3.1-4.0 LBS OF NITROGEN/1000 SQ. FT./YEAR 1/  
1998 DATA

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

NAME	CA1	IL1	IL2	IN1	KS2	KY1	NE1	NJ1	NJ2	NY1	SC2	UT1	MEAN
REMERANDT (LTP-4026 E+)	6.8	5.9	8.0	6.5	7.0	8.3	6.6	6.0	6.2	3.7	6.0	5.9	6.4
PLANTATION (PENNINGTON-1901)	7.0	5.4	7.2	6.4	6.9	8.3	6.6	6.0	5.8	4.4	5.7	6.1	6.3
MILLENNIUM (TMI-RBR)	6.9	5.7	7.3	6.4	6.6	8.3	6.2	5.9	6.0	4.8	5.4	4.8	6.2
PICK RT-95	6.8	5.8	7.6	6.5	6.4	7.7	6.4	5.7	6.1	3.6	5.2	5.7	6.1
SCORPION (ZPS-2PTF)	6.7	6.0	7.8	6.4	6.8	7.6	6.3	5.5	5.5	3.8	5.2	5.6	6.1
MASTERPIECE (LTP-SD-TF)	6.8	5.7	7.3	6.7	6.9	8.0	6.3	5.7	5.5	3.8	5.4	5.0	6.1
CROSSFIRE II	6.8	5.8	7.6	6.4	6.8	7.3	6.8	5.8	5.5	4.5	5.2	4.8	6.1
SHENANDOAH II (WRS2)	6.9	5.7	7.8	6.2	6.6	7.7	6.2	5.6	5.5	4.3	5.4	5.3	6.1
JAGUAR 3	7.0	5.7	7.7	6.3	6.7	7.7	5.7	5.2	5.3	4.2	5.2	5.0	6.0
ARID 3 (J-98)	6.8	5.1	6.3	6.4	6.7	8.3	6.5	5.3	4.8	4.5	5.6	5.4	6.0
BONSAI 2000 (BULLET)	6.8	5.7	7.3	6.1	6.8	7.7	6.0	5.0	5.5	3.7	5.4	5.2	5.9
WATCHDOG (PICK FA B-93)	6.7	5.3	7.0	6.5	6.4	7.8	5.9	5.3	5.7	3.2	5.4	5.9	5.9
GAZELLE	7.0	5.4	6.8	6.7	6.5	7.6	6.3	5.3	5.9	2.9	5.2	5.3	5.9
PST-523	6.8	5.8	7.3	6.3	6.8	7.6	6.3	4.8	5.0	3.6	5.3	5.3	5.9
TAR HEEL	6.9	5.7	7.0	5.9	6.7	7.6	5.4	5.3	5.3	3.4	5.4	5.8	5.9
REBEL SENTRY (AA-A91)	6.7	5.6	6.7	6.2	6.8	7.7	6.8	4.6	5.0	3.3	5.6	5.2	5.8
MUSTANG II	6.6	5.7	7.4	6.1	6.9	7.4	5.9	4.3	5.0	4.1	5.9	4.9	5.8
CU9502T	6.9	5.3	6.0	6.3	6.7	8.0	6.7	4.6	4.6	4.2	5.4	5.3	5.8
COYOTE	6.6	5.4	6.8	6.4	6.4	7.4	6.4	5.4	5.4	3.2	5.3	5.1	5.8
ATF-196	6.9	4.9	7.5	6.1	6.4	6.9	6.6	4.5	5.6	4.1	5.4	4.9	5.8
MB 26	7.0	5.0	6.1	6.2	6.8	7.5	6.4	4.9	5.1	4.4	5.6	4.7	5.8
OLYMPIC GOLD (PST-5E5)	6.9	5.5	6.4	6.1	6.5	8.1	6.2	4.9	4.7	4.3	5.2	4.7	5.8
MB 211	6.8	5.1	6.7	6.0	6.9	7.8	6.4	4.7	4.6	3.5	5.7	5.3	5.8
ANTHEM II (TMI-FMN)	7.1	5.1	6.4	5.8	6.6	7.5	5.7	5.0	4.8	3.7	5.4	6.2	5.8
BAR FA6 US3	6.4	5.1	5.9	6.4	6.6	7.8	6.4	4.6	5.2	4.3	5.3	5.2	5.8
EMPRESS	6.8	5.7	6.2	6.3	6.5	7.6	6.6	4.9	5.2	3.0	5.2	5.3	5.8
MB 212	6.9	4.9	7.2	6.0	6.8	8.0	6.2	5.0	4.9	2.7	5.7	5.1	5.8
BRANDY (J-101)	6.7	4.9	6.7	6.1	6.7	7.4	6.1	5.2	4.7	4.2	5.6	4.9	5.8
WOLFPAK (PST-R5TK)	6.4	5.8	6.8	6.1	6.6	7.6	6.1	5.0	5.5	2.8	5.2	5.0	5.7
SOUTHERN CHOICE	6.7	5.0	6.7	6.0	6.9	7.3	6.8	4.3	4.8	4.2	5.1	4.9	5.7
OFI-931	6.6	5.0	6.3	6.4	6.6	7.6	6.2	4.4	5.1	3.9	5.3	5.4	5.7
BAR FA6 US2U	6.5	5.1	5.7	6.3	6.7	7.5	5.9	4.5	4.8	4.2	5.3	6.3	5.7
RESERVE (ATF-182)	6.4	5.0	7.5	6.0	6.6	7.5	5.9	4.2	4.9	4.3	5.6	4.9	5.7
CORNADO	6.7	5.0	5.8	6.1	6.8	7.0	5.9	5.9	5.1	3.0	5.4	5.9	5.7
PST-5M5	6.4	5.4	7.2	6.3	6.9	7.8	6.4	4.5	4.6	2.4	5.1	5.6	5.7
MB 213	6.7	4.7	5.9	6.0	6.9	7.5	6.4	5.4	4.5	4.1	5.6	4.9	5.7
ARID 2 (J-3)	6.5	5.1	6.1	5.8	6.5	7.3	6.3	4.9	4.6	4.2	5.6	5.6	5.7
ATF-257	6.8	5.8	6.7	5.7	6.7	7.6	6.6	3.9	5.1	3.5	5.4	4.7	5.7
SRX 8500	6.8	5.0	5.8	6.3	6.8	7.7	6.8	4.3	5.0	3.7	5.2	5.2	5.7
AZTEC II (TMI-AZ)	6.8	5.4	6.0	6.0	6.7	7.3	5.8	5.0	5.3	4.1	5.3	4.6	5.7
MB 210	6.5	5.0	6.3	5.9	7.0	7.5	5.9	4.1	4.3	3.9	5.9	6.1	5.7
BAR FA6D USA	6.4	5.2	5.8	6.5	6.8	7.7	6.3	5.3	4.6	2.9	5.3	5.4	5.7
BULLDAWG (PICK GA-96)	6.6	5.3	5.3	6.2	6.5	7.5	5.9	5.4	4.9	4.4	5.2	4.9	5.7
GENESIS	6.6	5.2	6.3	6.0	6.8	7.7	5.4	4.8	4.2	4.4	5.4	5.3	5.7



TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT 3.1-4.0 LBS OF NITROGEN/1000 SQ. FT./YEAR  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF												MEAN
	CA1	IL1	IL2	IN1	KS2	KY1	NE1	NJ1	NJ2	NY1	SC2	UT1	
ATF-188	6.7	5.0	6.4	6.6	6.7	7.4	5.9	4.5	5.1	3.9	5.3	4.7	5.7
BAR FA 6D	6.7	4.8	5.2	6.5	6.6	7.3	6.2	4.9	4.9	3.9	5.3	5.6	5.7
ZPS-5LZ	7.0	4.9	5.8	6.2	6.5	7.5	6.0	5.3	4.4	3.4	5.2	5.7	5.7
SUNPRO	6.7	5.0	5.0	6.3	6.5	7.1	6.4	5.4	4.8	3.6	5.3	5.8	5.7
BAR FA 6LV	6.7	4.7	5.8	6.4	6.7	7.6	6.3	4.7	4.6	3.7	5.2	5.4	5.7
ISI-TF11	6.5	5.9	6.2	5.8	6.6	7.3	5.7	4.5	5.0	3.8	5.3	5.2	5.7
BAR FA6 US1	6.6	4.5	5.4	6.5	6.6	7.3	6.4	5.1	4.5	4.3	5.3	5.3	5.6
MB 29	6.7	5.1	5.7	6.2	6.5	8.2	5.4	4.7	4.7	3.8	5.8	5.0	5.6
CU9501T	6.6	4.9	6.1	6.0	6.4	8.0	6.1	4.5	4.8	3.6	5.8	5.0	5.6
ISI-TF9	6.6	5.2	6.5	5.9	6.5	7.7	6.2	4.6	4.7	3.7	5.3	4.6	5.6
APACHE II	6.6	5.2	5.6	6.2	6.6	7.5	5.9	4.4	5.3	3.8	5.6	4.8	5.6
PICK FA XK-95	6.9	5.1	5.5	6.5	6.5	7.3	6.0	5.0	5.3	3.7	5.2	4.4	5.6
PIXIE E+	6.6	4.9	6.9	6.0	6.6	7.2	6.0	3.9	4.5	3.9	5.8	5.0	5.6
SHENANDOAH	6.3	5.6	6.5	5.9	6.8	7.3	5.9	4.2	4.4	4.4	5.3	4.8	5.6
BRAVO (RG-93)	6.7	5.1	6.4	6.2	6.8	7.3	4.9	4.5	5.0	4.4	5.2	4.8	5.6
PST-5TO	6.6	5.2	6.0	6.1	6.8	7.5	5.1	5.3	5.2	3.2	5.2	5.1	5.6
PRO 8430	6.6	5.7	6.6	6.0	6.7	7.0	6.2	3.8	4.7	3.7	5.1	5.0	5.6
DUSTER	6.7	5.1	6.2	6.0	6.6	7.1	5.9	4.3	4.6	3.9	5.1	5.6	5.6
WX3-275	6.6	5.2	5.8	5.9	6.4	7.3	5.9	5.0	4.4	4.5	5.2	4.7	5.6
MB 28	6.3	4.9	5.7	5.8	6.8	7.3	5.7	4.5	4.4	4.6	5.8	5.3	5.6
OFI-96-31	6.6	4.9	4.8	6.1	6.7	6.9	6.0	4.8	5.2	4.3	5.3	5.4	5.6
PICK FA N-93	6.5	5.0	5.4	6.5	6.5	7.0	5.8	5.3	5.4	3.3	5.2	5.0	5.6
PICK FA 20-92	6.8	5.2	5.0	6.4	6.0	7.6	6.1	4.5	5.4	4.1	5.1	4.6	5.6
CHAEEL HILL (TA-7)	6.3	5.0	6.3	5.8	6.5	7.8	5.9	4.5	4.3	3.9	5.3	5.3	5.6
MB 214	6.8	4.5	5.5	5.8	6.5	7.6	5.9	4.7	4.1	4.4	5.6	5.2	5.6
R5AU	6.8	5.0	7.3	6.1	6.5	7.4	5.3	3.8	4.8	2.3	5.6	5.6	5.6
SR 8210	6.7	5.0	5.0	6.5	6.7	7.0	5.7	4.6	5.1	3.8	5.0	5.4	5.5
TWILIGHT II (TMI-TW)	6.7	5.0	6.2	5.7	6.7	7.1	5.3	5.3	4.5	3.7	5.2	5.3	5.5
ARABIA (J-5)	6.6	4.8	5.4	6.4	6.1	7.5	5.3	4.8	4.2	3.8	5.4	6.1	5.5
OFI-951	6.5	4.8	5.0	6.4	6.5	7.4	6.1	4.4	5.0	3.8	5.2	5.4	5.5
SHORTSTOP II	6.6	4.9	5.2	6.2	6.4	6.7	6.2	5.1	4.4	4.2	5.6	5.1	5.5
OFI-FWY	6.6	5.0	5.2	6.3	6.5	7.2	6.2	4.3	4.5	3.8	5.1	5.7	5.5
TULSA	6.8	5.2	6.6	5.9	6.6	6.9	5.9	3.8	4.9	2.8	5.6	5.5	5.5
ALAMO E	6.6	5.3	5.9	6.0	6.5	7.0	5.5	4.8	5.2	3.2	5.6	4.7	5.5
RED COAT (ATF-038)	6.6	4.5	6.3	6.2	6.4	7.6	6.6	3.2	4.2	4.3	5.6	4.8	5.5
REBEL 2000 (AA-989)	6.6	4.5	5.6	5.9	6.7	7.2	6.0	4.6	4.0	4.2	5.7	5.2	5.5
SAFARI	6.8	5.8	6.5	5.6	6.6	7.2	5.5	4.1	4.4	4.2	5.1	4.3	5.5
PICK FA 15-92	6.9	4.6	5.3	6.1	6.4	7.1	5.9	5.3	4.4	3.6	5.6	4.8	5.5
MB 216	6.4	4.7	5.5	5.8	6.6	7.5	5.8	4.7	4.1	3.6	5.8	5.3	5.5
ATF-022	6.4	4.9	7.0	5.7	6.5	7.1	5.8	3.5	4.6	3.9	5.4	4.8	5.5
ATF-253	6.7	5.7	7.0	5.7	6.5	7.2	5.5	4.6	4.8	2.6	5.3	4.1	5.5
BANDANA (PST-R5AE)	6.7	5.4	6.4	5.9	6.6	7.1	5.4	4.1	4.5	3.6	5.2	4.4	5.4
RENEGADE	6.6	5.1	6.1	5.8	6.6	7.6	5.9	3.6	4.1	4.4	5.2	4.4	5.4
MB 215	6.3	4.6	5.6	5.9	6.5	7.3	6.2	4.5	4.0	3.3	5.6	5.4	5.4
GOOD-EN (KOOS 96-14)	6.5	5.4	5.8	5.7	6.6	6.8	5.6	4.3	4.3	3.9	5.4	4.9	5.4

TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT 3.1-4.0 LBS OF NITROGEN/1000 SQ. FT./YEAR  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF												MEAN
	CA1	IL1	IL2	IN1	KS2	KY1	NE1	NJ1	NJ2	NY1	SC2	UT1	
REGIMENT	6.6	5.4	6.1	6.1	6.4	6.5	5.7	4.2	4.4	3.7	5.6	4.4	5.4
CORNADO GOLD (PST-5RT)	6.4	5.3	5.2	6.0	6.7	7.0	5.1	5.5	5.1	2.9	5.2	4.7	5.4
FINELAWN PETITE	6.6	5.0	5.5	5.8	6.5	7.0	5.5	4.2	4.1	3.7	5.3	5.8	5.4
TOMAHAWK-E	6.6	5.3	5.6	5.9	6.5	6.8	6.5	4.3	4.0	3.3	5.2	4.9	5.4
VELOCITY (AA-983)	6.3	4.8	6.2	6.0	6.5	7.1	6.6	3.8	4.0	3.3	5.6	4.9	5.4
LION	6.4	5.3	6.3	5.7	6.5	7.3	5.7	4.5	4.4	2.7	5.3	4.6	5.4
PEDESTAL (PC-AO)	6.5	4.8	5.5	5.9	6.7	7.7	5.9	3.8	4.5	3.7	5.3	4.2	5.4
COCHISE II	6.7	5.0	5.6	6.1	6.4	6.5	5.8	3.9	4.8	4.3	5.2	4.1	5.4
TITAN 2	6.3	5.5	5.6	5.5	6.6	6.5	5.7	3.8	4.7	4.4	5.4	4.4	5.4
FALCON II	6.6	5.1	5.1	5.8	6.7	7.1	5.9	3.9	4.1	3.7	5.2	5.2	5.4
MARKSMAN	6.5	5.3	5.5	5.7	6.8	6.8	6.2	3.7	4.5	3.3	5.6	4.8	5.4
ATF-020	6.4	5.0	6.4	5.5	6.4	7.4	5.8	3.6	4.3	3.4	5.4	4.8	5.4
KITTY HAWK S.S.T. (SS45DW)	6.4	5.7	5.6	5.8	6.6	6.8	5.2	3.8	4.6	3.9	5.4	4.6	5.4
PICK FA 6-91	6.5	4.9	5.5	6.0	6.5	6.8	6.4	4.4	4.3	2.3	5.6	5.1	5.3
ISI-TF10	6.5	4.9	4.8	5.9	6.4	7.7	5.1	4.5	4.1	3.9	5.2	5.3	5.3
OFI-96-32	6.6	5.1	6.0	5.8	6.5	6.7	5.2	3.9	4.2	3.7	5.4	4.8	5.3
BAR FA6 US6F	6.5	5.1	5.2	6.0	6.4	7.0	5.6	4.2	4.6	2.3	5.1	5.8	5.3
PSII-TF-10	6.4	5.1	5.2	5.7	6.5	7.3	6.0	4.0	3.9	3.8	5.2	4.4	5.3
EC-101	6.6	4.9	5.3	5.8	6.5	7.3	5.8	3.9	4.0	3.2	5.3	4.8	5.3
PSII-TF-9	6.4	5.0	5.6	5.8	6.3	7.0	5.3	3.7	4.4	4.3	5.3	4.4	5.3
SRX 8084	6.6	5.2	5.5	5.8	6.4	7.3	5.8	3.8	4.5	3.1	5.0	4.7	5.3
EA 41	6.5	5.0	5.0	6.0	6.2	7.2	5.6	4.6	4.9	2.8	5.0	4.7	5.3
PICK FA UT-93	6.6	4.4	3.8	6.3	5.8	6.9	5.7	4.7	4.5	3.6	5.2	5.7	5.3
WVPB-1B	6.4	5.1	5.6	5.8	6.4	6.9	5.2	4.2	4.0	3.4	5.1	4.9	5.3
WPEZE (WVPB-1C)	6.5	5.0	5.5	5.8	6.4	6.9	5.1	3.3	4.3	4.2	5.3	4.8	5.2
LEPRECHAUN	6.5	5.3	4.8	6.0	6.5	6.9	5.4	3.9	3.7	4.1	5.1	4.7	5.2
AXIOM (ATF-192)	6.4	4.9	5.5	5.5	6.5	6.8	4.9	3.5	4.3	3.4	5.6	5.3	5.2
BONSAI	6.4	4.8	5.3	5.8	6.5	6.6	5.8	3.7	4.3	3.6	5.3	4.2	5.2
WVPB-1D	6.6	4.8	5.2	5.7	6.5	6.7	5.7	3.8	4.2	3.7	5.2	4.0	5.2
EQUINOX (TMI-N91)	6.7	5.4	5.1	5.5	6.4	6.5	4.4	4.1	4.5	3.3	5.4	4.8	5.2
DP 50-9011	6.9	4.6	4.5	6.0	6.1	6.7	5.6	3.6	3.7	4.1	5.3	4.9	5.2
COMSTOCK (SSDE31)	6.3	5.1	5.1	5.6	6.5	7.0	5.4	4.0	4.0	2.6	5.4	4.6	5.1
JTTEC-96	6.3	4.9	5.3	5.6	6.4	6.9	5.2	3.3	4.0	3.3	5.0	3.9	5.0
JSC-1	6.3	5.0	4.0	5.5	6.4	7.0	5.7	3.4	3.5	3.6	5.3	4.4	5.0
JTTEA-96	6.1	5.0	4.7	5.7	5.9	6.1	4.6	2.9	4.4	3.7	5.0	4.5	4.9
ARID	5.8	4.6	4.8	5.1	5.9	6.5	5.4	2.8	2.8	3.2	5.4	4.3	4.7
DLF-1	5.9	4.6	4.4	5.3	6.5	6.0	5.2	2.8	3.2	2.3	5.6	4.3	4.7
DP 7952	5.6	4.6	4.1	5.2	6.4	6.3	4.4	2.5	3.2	4.1	5.3	4.3	4.7
AV-1	5.1	4.8	3.2	4.9	6.2	5.7	4.6	2.3	3.0	2.6	5.4	3.8	4.3
KENTUCKY-31 W/ENDO.	3.1	3.9	2.6	3.3	4.7	3.7	2.8	1.8	1.1	3.3	4.7	3.6	3.2
LSD VALUE	0.3	0.7	1.5	0.4	0.4	0.6	0.7	1.0	0.7	1.3	1.2	1.1	0.3
C.V. (%)	3.2	8.5	15.3	4.1	3.9	5.2	8.0	14.3	9.1	22.7	13.5	13.8	10.2

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

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

TABLE 11.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT 4.0+ LBS OF NITROGEN/1000 SQ. FT./YEAR 1/  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	AR1	CA3	MO1	MEAN	NAME	AR1	CA3	MO1	MEAN
JAGUAR 3	6.9	6.0	5.8	6.2	MB 210	5.6	5.9	5.7	5.7
REMBRANDT (LTP-4026 E+)	6.5	6.0	6.3	6.2	APACHE II	6.0	5.8	5.3	5.7
PLANTATION (PENNINGTON-1901)	6.2	6.1	6.4	6.2	CHAPEL HILL (TA-7)	5.6	5.6	5.9	5.7
SCORPION (ZPS-2PTF)	6.1	6.0	6.4	6.2	ATF-196	5.9	5.8	5.3	5.7
SHENANDOAH II (WRS2)	6.4	6.0	6.0	6.1	OFL-951	5.6	6.0	5.5	5.7
MB 29	6.6	5.7	6.0	6.1	CORONADO	5.2	5.7	6.2	5.7
PST-5M5	6.1	6.1	6.0	6.1	RESERVE (ATF-182)	6.0	5.8	5.3	5.7
MB 213	6.6	5.6	5.9	6.0	BRANDY (J-101)	5.8	5.7	5.5	5.7
RED COAT (ATF-038)	6.4	5.9	5.7	6.0	MB 214	5.9	5.7	5.4	5.7
MILLENNIUM (TMI-RBR)	6.0	6.2	5.8	6.0	WOLFPACK (PST-R5TK)	5.4	6.0	5.5	5.7
LION	6.5	5.9	5.6	6.0	VELOCITY (AA-983)	5.9	5.7	5.5	5.7
MB 26	6.0	6.0	5.9	6.0	SRX 8500	5.4	5.8	5.7	5.7
MB 211	6.3	5.7	6.0	6.0	ALAMO E	6.0	5.7	5.3	5.7
PST-523	6.0	5.8	6.0	5.9	SR 8210	5.8	5.8	5.3	5.6
PICK RT-95	6.0	5.9	5.8	5.9	BRAVO (RG-93)	5.4	5.8	5.6	5.6
COYOTE	6.2	5.6	5.9	5.9	GENESIS	5.6	5.5	5.8	5.6
CORONADO GOLD (PST-5RT)	6.2	6.0	5.6	5.9	BAR FA6 US1	5.7	5.6	5.5	5.6
OLYMPIC GOLD (PST-5E5)	6.1	6.0	5.6	5.9	ATF-257	6.4	4.9	5.5	5.6
WATCHDOG (PICK FA B-93)	6.1	6.0	5.5	5.9	CU9501T	5.5	5.8	5.5	5.6
TULSA	5.9	5.8	5.8	5.9	ANTHEM II (TMI-FMN)	5.3	5.9	5.5	5.6
MB 215	5.9	5.7	6.0	5.9	OFL-96-31	5.5	5.8	5.5	5.6
BAR FA6 US2U	5.9	5.9	5.7	5.8	ATF-253	5.7	5.4	5.6	5.6
ISI-TF10	5.9	5.9	5.7	5.8	OFL-FWY	6.0	5.0	5.7	5.6
TAR HEEL	5.9	5.9	5.7	5.8	ISI-TF9	5.9	5.5	5.3	5.6
CROSSFIRE II	5.7	5.8	5.9	5.8	ISI-TF11	5.9	5.4	5.3	5.6
MB 28	5.9	5.8	5.8	5.8	PICK FA 15-92	5.7	5.7	5.3	5.6
MASTERPIECE (LTP-SD-TF)	6.1	5.7	5.6	5.8	RENEGADE	5.4	5.7	5.5	5.5
REBEL SENTRY (AA-A91)	5.8	5.8	5.9	5.8	PICK FA 6-91	5.7	5.2	5.7	5.5
R5AU	6.0	5.7	5.7	5.8	BAR FA6 US6F	5.3	5.5	5.8	5.5
EA 41	5.8	5.7	5.9	5.8	ARID 2 (J-3)	5.4	5.7	5.4	5.5
BAR FA6 US3	5.6	5.9	5.8	5.8	BANDANA (PST-R5AE)	5.2	5.7	5.6	5.5
COCHISE II	6.2	5.5	5.6	5.8	OFL-96-32	5.6	5.5	5.5	5.5
SOUTHERN CHOICE	5.9	6.0	5.4	5.8	COMSTOCK (SSDE31)	5.7	5.4	5.4	5.5
PST-5TO	5.9	5.7	5.8	5.8	OFL-931	5.6	5.6	5.2	5.5
ARID 3 (J-98)	6.0	5.7	5.5	5.7	EMPRESS	5.3	5.5	5.6	5.5
ARABIA (J-5)	5.7	5.9	5.6	5.7	SHORTSTOP II	5.0	5.8	5.6	5.5
PICK FA XK-95	5.9	5.7	5.6	5.7	BAR FA 6LV	5.3	6.0	5.1	5.5
ZPS-5LZ	5.9	6.0	5.3	5.7	TWILIGHT II (TMI-TW)	5.2	5.6	5.6	5.5
BAR FA 6D	5.7	6.0	5.5	5.7	ATF-022	5.8	5.2	5.4	5.5
MUSTANG II	6.2	5.6	5.4	5.7	BAR FA6D USA	5.1	5.8	5.5	5.5
MB 212	6.1	5.5	5.6	5.7	PRO 8430	5.3	5.6	5.5	5.5
SUNPRO	5.8	5.8	5.5	5.7	BONSAI 2000 (BULLET)	5.2	5.8	5.3	5.4
REBEL 2000 (AA-989)	5.7	5.7	5.8	5.7	FINELAWN PETITE	5.0	5.7	5.6	5.4
MB 216	5.7	5.6	5.8	5.7	ATF-020	5.9	5.4	5.0	5.4

TABLE 11. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT 4.0+ LBS OF NITROGEN/1000 SQ. FT./YEAR  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF				
NAME	AR1	CA3	MO1	MEAN
PICK FA 20-92	5.0	5.8	5.4	5.4
CU9502T	5.4	5.3	5.5	5.4
BULLDAWG (PICK GA-96)	5.5	5.4	5.4	5.4
SHENANDOAH	5.7	5.2	5.3	5.4
PIXIE E+	5.3	5.1	5.7	5.4
ATF-188	5.5	5.7	4.9	5.4
EC-101	5.0	5.7	5.4	5.4
REGIMENT	5.1	5.5	5.5	5.4
DUSTER	5.2	5.6	5.3	5.4
GAZELLE	5.2	5.7	5.1	5.4
AXIOM (ATF-192)	5.3	5.5	5.3	5.3
EQUINOX (TMI-N91)	5.0	5.5	5.4	5.3
SAFARI	5.3	5.3	5.3	5.3
WX3-275	5.2	5.5	5.3	5.3
MARKSMAN	5.3	5.2	5.4	5.3
PICK FA N-93	5.1	5.7	5.1	5.3
AZTEC II (TMI-AZ)	4.7	5.7	5.5	5.3
WVPB-1D	5.4	5.2	5.3	5.3
SRX 8084	5.1	5.5	5.3	5.3
PSII-TF-9	5.4	5.1	5.4	5.3
GOOD-EN (KOOS 96-14)	5.1	5.4	5.3	5.3
LEPRECHAUN	5.0	5.6	5.2	5.3
TITAN 2	5.4	4.9	5.4	5.3
FALCON II	4.9	5.5	5.4	5.2
JTTFC-96	5.3	5.0	5.5	5.2
BONSAI	4.8	5.5	5.5	5.2
DP 50-9011	5.3	5.3	5.1	5.2
PSII-TF-10	5.1	5.1	5.5	5.2
WVPB-1B	5.3	5.2	5.2	5.2
WPEZE (WVPB-1C)	5.0	5.2	5.4	5.2
TOMAHAWK-E	4.8	5.5	5.2	5.2
PICK FA UT-93	5.3	5.2	4.9	5.1
PEDESTAL (PC-AO)	5.0	5.2	5.1	5.1
KITTY HAWK S.S.T. (SS45DW)	4.7	5.2	5.2	5.0
JSC-1	4.8	4.9	5.0	4.9
ARID	4.7	4.7	5.3	4.9
DLF-1	5.1	4.5	5.0	4.9
JTTFA-96	5.0	4.7	4.9	4.9
DP 7952	4.4	4.4	5.0	4.6
AV-1	4.3	4.3	4.7	4.4
KENTUCKY-31 W/ENDO.	3.5	4.0	4.7	4.1
LSD VALUE	0.9	0.5	0.6	0.4
C.V. (%)	10.6	5.6	6.7	7.9

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 12. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
AT DIFFERENT MOWING HEIGHTS 1/  
1998 DATA

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

NAME	MOWING HEIGHTS (INCHES)				MEAN
	0.6-1.5	1.6-2.0	2.1-2.5	2.6+	
REMBRANDT (LTP-4026 E+)	6.5	6.3	6.5	6.2	6.4
PLANTATION (PENNINGTON-1901)	6.5	6.3	6.2	6.4	6.4
MILLENNIUM (TMI-RBR)	6.5	6.3	6.0	6.0	6.2
SHENANDOAH II (WRS2)	6.2	6.3	6.2	6.0	6.2
SCORPION (ZPS-2PTF)	6.2	6.2	6.2	5.9	6.1
PICK RT-95	6.3	6.2	6.0	5.8	6.1
MASTERPIECE (LTP-SD-TF)	6.2	6.3	6.0	5.9	6.1
JAGUAR 3	6.1	6.4	6.0	5.8	6.0
CROSSFIRE II	6.3	6.1	5.9	5.8	6.0
WATCHDOG (PICK FA B-93)	6.0	6.2	5.9	5.9	6.0
COYOTE	6.0	6.2	5.9	5.8	6.0
REBEL SENTRY (AA-A91)	5.9	6.0	6.0	5.9	6.0
PST-523	5.8	6.1	6.0	5.8	6.0
OLYMPIC GOLD (PST-5E5)	6.0	6.2	5.8	5.9	6.0
PST-5M5	5.5	6.1	6.1	5.9	5.9
ARID 3 (J-98)	6.3	6.1	5.7	5.8	5.9
MB 26	6.2	6.2	5.6	5.9	5.9
TAR HEEL	5.8	6.0	5.9	5.8	5.9
WOLFPACK (PST-R5TK)	5.7	5.9	6.0	5.8	5.9
GAZELLE	6.0	6.1	5.8	5.7	5.9
CU9502T	6.0	5.9	5.8	5.8	5.9
MB 29	5.8	6.3	5.7	6.0	5.9
MB 211	5.8	6.1	5.8	5.7	5.9
MB 212	5.8	6.0	5.7	6.0	5.8
SOUTHERN CHOICE	5.9	6.0	5.8	5.8	5.8
MB 213	6.0	6.2	5.5	6.0	5.8
BONSAI 2000 (BULLET)	5.9	5.9	5.8	5.7	5.8
BRANDY (J-101)	5.9	6.0	5.6	6.0	5.8
OFT-931	5.9	6.0	5.7	5.7	5.8
BAR FA6 US3	6.0	6.1	5.6	5.6	5.8
ZPS-5LZ	5.8	6.2	5.6	5.8	5.8
GENESIS	5.6	5.9	5.9	5.7	5.8
CU9501T	5.8	5.9	5.7	6.0	5.8
MUSTANG II	5.7	6.0	5.8	5.8	5.8
ATF-196	5.9	6.1	5.7	5.6	5.8
PIXIE E+	5.5	5.8	5.9	6.1	5.8
BAR FA6D USA	5.8	5.9	5.7	5.7	5.8
MB 28	5.6	6.0	5.6	6.2	5.8
BAR FA6 US2U	5.7	6.1	5.7	5.6	5.8
EMPRESS	5.9	5.9	5.7	5.6	5.8
RESERVE (ATF-182)	5.7	6.0	5.9	5.4	5.8
ISI-TF11	5.6	5.9	5.8	5.8	5.8
BAR FA 6D	5.8	6.2	5.6	5.7	5.8
ANTHEM II (TMI-FMN)	5.7	6.0	5.7	5.8	5.8
MB 216	5.6	5.9	5.6	6.3	5.8

TABLE 12. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) AT DIFFERENT MOWING HEIGHTS  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MOWING HEIGHTS (INCHES)				MEAN
	0.6-1.5	1.6-2.0	2.1-2.5	2.6+	
MB 214	5.8	6.1	5.5	5.9	5.8
MB 210	5.6	5.9	5.8	5.7	5.7
CHAPEL HILL (TA-7)	5.7	5.8	5.8	5.7	5.7
BRAVO (RG-93)	5.6	6.0	5.7	5.7	5.7
MB 215	5.5	6.0	5.6	6.0	5.7
TULSA	5.4	6.0	5.7	5.9	5.7
REBEL 2000 (AA-989)	5.6	6.0	5.6	5.8	5.7
CORONADO	5.8	5.9	5.6	5.7	5.7
AZTEC II (TMI-AZ)	5.9	5.7	5.5	5.9	5.7
RED COAT (ATF-038)	5.6	6.2	5.5	5.8	5.7
RENEGADE	5.5	5.8	5.7	5.9	5.7
R5AU	5.2	6.0	5.8	6.0	5.7
SRX 8500	5.8	6.0	5.6	5.5	5.7
SUNERO	5.9	6.1	5.5	5.4	5.7
SHENANDOAH	5.6	5.6	5.8	5.7	5.7
ATF-188	5.8	6.0	5.5	5.6	5.7
PST-5TO	5.7	6.0	5.6	5.5	5.7
ATF-257	5.7	5.8	5.7	5.5	5.7
ARID 2 (J-3)	5.8	5.8	5.5	5.7	5.7
APACHE II	5.7	6.0	5.6	5.6	5.7
OFI-96-31	5.8	6.0	5.4	5.7	5.7
TWILIGHT II (TMI-TW)	5.5	5.8	5.7	5.9	5.7
BAR FA6 US1	6.0	6.1	5.4	5.5	5.7
BANDANA (PST-R5AE)	5.4	5.8	5.8	5.7	5.7
LION	5.4	6.0	5.7	5.8	5.7
DUSTER	5.5	5.8	5.7	5.7	5.7
ISI-TF9	5.7	5.9	5.6	5.6	5.7
BAR FA 6LV	5.8	6.0	5.5	5.5	5.7
ALAMO E	5.6	6.0	5.5	5.8	5.7
BULLDAWG (PICK GA-96)	5.9	5.9	5.5	5.3	5.7
SR 8210	5.7	6.1	5.4	5.7	5.7
SAFARI	5.5	5.6	5.8	5.8	5.7
OFI-951	5.8	6.1	5.4	5.6	5.7
PICK FA XK-95	5.8	6.2	5.4	5.4	5.7
PRO 8430	5.5	5.8	5.7	5.5	5.6
REGIMENT	5.3	5.8	5.6	5.9	5.6
CORONADO GOLD (PST-5RT)	5.5	6.0	5.5	5.6	5.6
ARABIA (J-5)	5.5	6.2	5.4	5.6	5.6
VELOCITY (AA-983)	5.4	5.9	5.6	5.6	5.6
OFI-FWY	5.6	5.9	5.6	5.4	5.6
EA 41	5.5	6.0	5.4	5.6	5.6
PICK FA 20-92	5.9	6.0	5.3	5.4	5.6
WX3-275	5.8	5.7	5.4	5.6	5.6
BAR FA6 US6F	5.3	5.8	5.6	5.7	5.6
FINELAWN PETITE	5.4	5.8	5.6	5.5	5.6

TABLE 12. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) AT DIFFERENT MOWING HEIGHTS  
 1998 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MOWING HEIGHTS (INCHES)				MEAN
	0.6-1.5	1.6-2.0	2.1-2.5	2.6+	
COCHISE II	5.6	6.0	5.4	5.4	5.6
ATF-253	5.3	5.8	5.6	5.6	5.6
SHORTSTOP II	5.7	5.9	5.4	5.4	5.6
ATF-022	5.4	5.7	5.6	5.6	5.6
ISI-TF10	5.4	6.0	5.4	5.6	5.6
GOOD-EN (KOOS 96-14)	5.4	5.7	5.6	5.5	5.5
FALCON II	5.3	5.7	5.6	5.6	5.5
OFI-96-32	5.2	5.8	5.5	5.7	5.5
TITAN 2	5.4	5.4	5.6	5.8	5.5
PICK FA N-93	5.8	5.9	5.3	5.3	5.5
MARKSMAN	5.4	5.6	5.5	5.7	5.5
TOMAHAWK-E	5.4	5.7	5.4	5.5	5.5
ATF-020	5.3	5.8	5.4	5.5	5.5
PICK FA 15-92	5.6	6.1	5.1	5.5	5.5
PICK FA 6-91	5.3	5.9	5.4	5.5	5.5
PEDESTAL (PC-AO)	5.5	5.6	5.3	5.7	5.5
SRX 8084	5.3	5.6	5.5	5.6	5.5
EC-101	5.3	5.7	5.4	5.7	5.5
PSII-TF-9	5.3	5.6	5.4	5.7	5.5
PSII-TF-10	5.4	5.6	5.4	5.6	5.5
WPEZE (WVPB-1C)	5.2	5.6	5.5	5.6	5.4
LEPRECHAUN	5.2	5.7	5.4	5.5	5.4
WVPB-1B	5.2	5.6	5.5	5.5	5.4
WVPB-1D	5.2	5.7	5.3	5.7	5.4
KITTY HAWK S.S.T. (SS45DW)	5.3	5.5	5.4	5.5	5.4
COMSTOCK (SSDE31)	5.1	5.7	5.5	5.5	5.4
EQUINCK (TMI-N91)	5.0	5.6	5.4	5.4	5.4
BONSAI	5.2	5.6	5.2	5.5	5.4
AXIOM (ATF-192)	4.9	5.6	5.4	5.5	5.3
DP 50-9011	5.2	5.7	5.1	5.5	5.3
JTTFC-96	4.9	5.4	5.3	5.5	5.2
PICK FA UT-93	5.5	5.8	4.8	5.0	5.2
JSC-1	5.1	5.4	5.0	5.6	5.2
JTTFA-96	4.8	5.2	5.2	5.4	5.2
ARID	4.6	5.0	5.1	5.7	5.0
DLF-1	4.4	5.1	5.0	5.5	5.0
DP 7952	4.6	4.8	5.0	5.5	4.9
AV-1	4.1	4.7	4.7	5.4	4.7
KENTUCKY-31 W/ENDO.	3.0	3.5	4.0	5.2	3.8
LSD VALUE	0.4	0.3	0.3	0.5	0.2
C.V. (%)	9.7	5.9	9.9	10.9	9.3

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 13. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT A 0.6-1.5 INCH MOWING HEIGHT 1/  
1998 DATA

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

NAME	KY1	NE1	NJ1	NJ2	NY1	OH1	MEAN
PLANTATION (PENNINGTON-1901)	8.3	6.6	6.0	5.8	4.4	8.3	6.5
MILLENNIUM (TMI-RBR)	8.3	6.2	5.9	6.0	4.8	8.0	6.5
REMBRANDT (LTP-4026 E+)	8.3	6.6	6.0	6.2	3.7	8.2	6.5
CROSSFIRE II	7.3	6.8	5.8	5.5	4.5	7.8	6.3
PICK RT-95	7.7	6.4	5.7	6.1	3.6	8.1	6.3
ARID 3 (J-98)	8.3	6.5	5.3	4.8	4.5	8.1	6.3
SHENANDOAH II (WRS2)	7.7	6.2	5.6	5.5	4.3	8.1	6.2
SCORPION (ZPS-2PTF)	7.6	6.3	5.5	5.5	3.8	8.3	6.2
MASTERPIECE (LTP-SD-TF)	8.0	6.3	5.7	5.5	3.8	7.7	6.2
MB 26	7.5	6.4	4.9	5.1	4.4	8.7	6.2
JAGUAR 3	7.7	5.7	5.2	5.3	4.2	8.3	6.1
GAZELLE	7.6	6.3	5.3	5.9	2.9	8.3	6.0
OLYMPIC GOLD (PST-5E5)	8.1	6.2	4.9	4.7	4.3	7.9	6.0
COYOTE	7.4	6.4	5.4	5.4	3.2	8.3	6.0
CU9502T	8.0	6.7	4.6	4.6	4.2	8.0	6.0
BAR FA6 US3	7.8	6.4	4.6	5.2	4.3	7.8	6.0
WATCHDOG (PICK FA B-93)	7.8	5.9	5.3	5.7	3.2	8.1	6.0
BAR FA6 US1	7.3	6.4	5.1	4.5	4.3	8.3	6.0
MB 213	7.5	6.4	5.4	4.5	4.1	7.8	6.0
BULLDAWG (PICK GA-96)	7.5	5.9	5.4	4.9	4.4	7.5	5.9
REBEL SENTRY (AA-A91)	7.7	6.8	4.6	5.0	3.3	8.2	5.9
BONSAI 2000 (BULLET)	7.7	6.0	5.0	5.5	3.7	7.7	5.9
AZTEC II (TMI-AZ)	7.3	5.8	5.0	5.3	4.1	8.0	5.9
BRANDY (J-101)	7.4	6.1	5.2	4.7	4.2	7.9	5.9
ATF-196	6.9	6.6	4.5	5.6	4.1	7.8	5.9
SOUTHERN CHOICE	7.3	6.8	4.3	4.8	4.2	7.8	5.9
PICK FA 20-92	7.6	6.1	4.5	5.4	4.1	7.6	5.9
EMPRESS	7.6	6.6	4.9	5.2	3.0	7.9	5.9
SUNPRO	7.1	6.4	5.4	4.8	3.6	7.9	5.9
OFI-931	7.6	6.2	4.4	5.1	3.9	7.9	5.9
ARID 2 (J-3)	7.3	6.3	4.9	4.6	4.2	7.8	5.8
BAR FA 6D	7.3	6.2	4.9	4.9	3.9	7.8	5.8
MB 211	7.8	6.4	4.7	4.6	3.5	8.1	5.8
PST-523	7.6	6.3	4.8	5.0	3.6	7.8	5.8
BAR FA 6LV	7.6	6.3	4.7	4.6	3.7	8.0	5.8
CU9501T	8.0	6.1	4.5	4.8	3.6	8.0	5.8
OFI-96-31	6.9	6.0	4.8	5.2	4.3	7.8	5.8
PICK FA XK-95	7.3	6.0	5.0	5.3	3.7	7.6	5.8
ZPS-5LZ	7.5	6.0	5.3	4.4	3.4	8.3	5.8
SRX 8500	7.7	6.8	4.3	5.0	3.7	7.4	5.8
MB 214	7.6	5.9	4.7	4.1	4.4	8.1	5.8
CORONADO	7.0	5.9	5.9	5.1	3.0	7.8	5.8
ATF-188	7.4	5.9	4.5	5.1	3.9	7.9	5.8
TAR HEEL	7.6	5.4	5.3	5.3	3.4	7.7	5.8



TABLE 13. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT A 0.6-1.5 INCH MOWING HEIGHT  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	KY1	NE1	NJ1	NJ2	NY1	OH1	MEAN
MB 212	8.0	6.2	5.0	4.9	2.7	7.8	5.8
PICK FA N-93	7.0	5.8	5.3	5.4	3.3	7.9	5.8
BAR FA6D USA	7.7	6.3	5.3	4.6	2.9	7.8	5.8
MB 29	8.2	5.4	4.7	4.7	3.8	7.8	5.8
OFI-951	7.4	6.1	4.4	5.0	3.8	7.8	5.8
WX3-275	7.3	5.9	5.0	4.4	4.5	7.4	5.8
BAR FA6 US2U	7.5	5.9	4.5	4.8	4.2	7.7	5.7
WOLFPACK (PST-R5TK)	7.6	6.1	5.0	5.5	2.8	7.4	5.7
RESERVE (ATF-182)	7.5	5.9	4.2	4.9	4.3	7.8	5.7
SR 8210	7.0	5.7	4.6	5.1	3.8	8.0	5.7
ATF-257	7.6	6.6	3.9	5.1	3.5	7.5	5.7
SHORTSTOP II	6.7	6.2	5.1	4.4	4.2	7.6	5.7
ISI-TF9	7.7	6.2	4.6	4.7	3.7	7.3	5.7
MUSTANG II	7.4	5.9	4.3	5.0	4.1	7.5	5.7
PST-5TO	7.5	5.1	5.3	5.2	3.2	7.8	5.7
APACHE II	7.5	5.9	4.4	5.3	3.8	7.2	5.7
ANTHEM II (TMI-FMN)	7.5	5.7	5.0	4.8	3.7	7.4	5.7
CHAPEL HILL (TA-7)	7.8	5.9	4.5	4.3	3.9	7.6	5.7
GENESIS	7.7	5.4	4.8	4.2	4.4	7.3	5.6
ISI-TF11	7.3	5.7	4.5	5.0	3.8	7.5	5.6
REBEL 2000 (AA-989)	7.2	6.0	4.6	4.0	4.2	7.7	5.6
RED COAT (ATF-038)	7.6	6.6	3.2	4.2	4.3	7.8	5.6
ALAMO E	7.0	5.5	4.8	5.2	3.2	7.9	5.6
BRAVO (RG-93)	7.3	4.9	4.5	5.0	4.4	7.6	5.6
MB 28	7.3	5.7	4.5	4.4	4.6	7.3	5.6
SHENANDOAH	7.3	5.9	4.2	4.4	4.4	7.4	5.6
MB 210	7.5	5.9	4.1	4.3	3.9	7.7	5.6
OFI-FWY	7.2	6.2	4.3	4.5	3.8	7.4	5.6
PICK FA 15-92	7.1	5.9	5.3	4.4	3.6	7.2	5.6
MB 216	7.5	5.8	4.7	4.1	3.6	7.8	5.6
COCHISE II	6.5	5.8	3.9	4.8	4.3	8.0	5.6
DUSTER	7.1	5.9	4.3	4.6	3.9	7.5	5.5
CORONADO GOLD (PST-5RT)	7.0	5.1	5.5	5.1	2.9	7.7	5.5
PST-5M5	7.8	6.4	4.5	4.6	2.4	7.5	5.5
RENEGADE	7.6	5.9	3.6	4.1	4.4	7.7	5.5
SAFARI	7.2	5.5	4.1	4.4	4.2	7.8	5.5
MB 215	7.3	6.2	4.5	4.0	3.3	7.9	5.5
PICK FA UT-93	6.9	5.7	4.7	4.5	3.6	7.8	5.5
PRO 8430	7.0	6.2	3.8	4.7	3.7	7.7	5.5
PIXIE E+	7.2	6.0	3.9	4.5	3.9	7.6	5.5
PEDESTAL (PC-AO)	7.7	5.9	3.8	4.5	3.7	7.4	5.5
ARABIA (J-5)	7.5	5.3	4.8	4.2	3.8	7.3	5.5
TWILIGHT II (TMI-TW)	7.1	5.3	5.3	4.5	3.7	7.2	5.5
EA 41	7.2	5.6	4.6	4.9	2.8	7.8	5.5
ISI-TF10	7.7	5.1	4.5	4.1	3.9	7.4	5.4

TABLE 13. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT A 0.6-1.5 INCH MOWING HEIGHT  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF							
NAME	KY1	NE1	NJ1	NJ2	NY1	OH1	MEAN
VELOCITY (AA-983)	7.1	6.6	3.8	4.0	3.3	7.8	5.4
BANDANA (PST-R5AE)	7.1	5.4	4.1	4.5	3.6	7.7	5.4
ATF-022	7.1	5.8	3.5	4.6	3.9	7.5	5.4
GOOD-EN (KOOS 96-14)	6.8	5.6	4.3	4.3	3.9	7.5	5.4
TOMAHAWK-E	6.8	6.5	4.3	4.0	3.3	7.5	5.4
TITAN 2	6.5	5.7	3.8	4.7	4.4	7.3	5.4
TULSA	6.9	5.9	3.8	4.9	2.8	8.2	5.4
LION	7.3	5.7	4.5	4.4	2.7	7.8	5.4
FINELAWN PETITE	7.0	5.5	4.2	4.1	3.7	7.8	5.4
PSII-TF-10	7.3	6.0	4.0	3.9	3.8	7.3	5.4
MARKSMAN	6.8	6.2	3.7	4.5	3.3	7.8	5.4
FALCON II	7.1	5.9	3.9	4.1	3.7	7.3	5.3
REGIMENT	6.5	5.7	4.2	4.4	3.7	7.6	5.3
SRX 8084	7.3	5.8	3.8	4.5	3.1	7.6	5.3
EC-101	7.3	5.8	3.9	4.0	3.2	7.7	5.3
ATF-020	7.4	5.8	3.6	4.3	3.4	7.4	5.3
PSII-TF-9	7.0	5.3	3.7	4.4	4.3	7.2	5.3
ATF-253	7.2	5.5	4.6	4.8	2.6	7.3	5.3
KITTY HAWK S.S.T. (SS45DW)	6.8	5.2	3.8	4.6	3.9	7.5	5.3
PICK FA 6-91	6.8	6.4	4.4	4.3	2.3	7.5	5.3
BAR FA6 US6F	7.0	5.6	4.2	4.6	2.3	7.8	5.3
WVFB-1D	6.7	5.7	3.8	4.2	3.7	7.3	5.2
OFI-96-32	6.7	5.2	3.9	4.2	3.7	7.6	5.2
BONSAI	6.6	5.8	3.7	4.3	3.6	7.3	5.2
DP 50-9011	6.7	5.6	3.6	3.7	4.1	7.6	5.2
LEPRECHAUN	6.9	5.4	3.9	3.7	4.1	7.3	5.2
WVFB-1B	6.9	5.2	4.2	4.0	3.4	7.4	5.2
WPEZE (WVPB-1C)	6.9	5.1	3.3	4.3	4.2	7.4	5.2
R5AU	7.4	5.3	3.8	4.8	2.3	7.3	5.2
JSC-1	7.0	5.7	3.4	3.5	3.6	7.3	5.1
COMSTOCK (SSDE31)	7.0	5.4	4.0	4.0	2.6	7.4	5.1
EQUINOX (TMI-N91)	6.5	4.4	4.1	4.5	3.3	7.2	5.0
AXIOM (ATF-192)	6.8	4.9	3.5	4.3	3.4	6.7	4.9
JTTFC-96	6.9	5.2	3.3	4.0	3.3	6.8	4.9
JTIFA-96	6.1	4.6	2.9	4.4	3.7	7.3	4.8
ARID	6.5	5.4	2.8	2.8	3.2	7.0	4.6
DP 7952	6.3	4.4	2.5	3.2	4.1	7.2	4.6
DLF-1	6.0	5.2	2.8	3.2	2.3	7.1	4.4
AV-1	5.7	4.6	2.3	3.0	2.6	6.6	4.1
KENTUCKY-31 W/ENDO.	3.7	2.8	1.8	1.1	3.3	5.2	3.0
LSD VALUE	0.6	0.7	1.0	0.7	1.3	0.6	0.4
C.V. (%)	5.2	8.0	14.3	9.1	22.7	4.7	9.7

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 14.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT A 1.6-2.0 INCH MOWING HEIGHT 1/  
1998 DATA

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

NAME	AR1	CA1	CA3	IN1	WA1	MEAN	NAME	AR1	CA1	CA3	IN1	WA1	MEAN
JAGUAR 3	6.9	7.0	6.0	6.3	5.7	6.4	BAR FA 6LV	5.3	6.7	6.0	6.4	5.7	6.0
PLANTATION (PENNINGTON-1901)	6.2	7.0	6.1	6.4	6.0	6.3	ALAMO E	6.0	6.6	5.7	6.0	5.8	6.0
SHENANDOAH II (WRS2)	6.4	6.9	6.0	6.2	6.1	6.3	EA 41	5.8	6.5	5.7	6.0	6.0	6.0
REMBRANDT (LTP-4026 E+)	6.5	6.8	6.0	6.5	5.9	6.3	SRX 8500	5.4	6.8	5.8	6.3	5.8	6.0
MILLENNIUM (TMI-RBR)	6.0	6.9	6.2	6.4	5.9	6.3	LION	6.5	6.4	5.9	5.7	5.6	6.0
MB 29	6.6	6.7	5.7	6.2	6.1	6.3	BRAVO (RG-93)	5.4	6.7	5.8	6.2	5.9	6.0
MASTERPIECE (LTP-SD-TF)	6.1	6.8	5.7	6.7	6.0	6.3	OFI-931	5.6	6.6	5.6	6.4	5.8	6.0
SCORPION (ZPS-2PTF)	6.1	6.7	6.0	6.4	6.0	6.2	PICK FA 20-92	5.0	6.8	5.8	6.4	6.0	6.0
MB 26	6.0	7.0	6.0	6.2	6.0	6.2	MUSTANG II	6.2	6.6	5.6	6.1	5.4	6.0
MB 213	6.6	6.7	5.6	6.0	6.1	6.2	BRANDY (J-101)	5.8	6.7	5.7	6.1	5.6	6.0
PICK RT-95	6.0	6.8	5.9	6.5	5.8	6.2	ISI-TF10	5.9	6.5	5.9	5.9	5.8	6.0
ZPS-5LZ	5.9	7.0	6.0	6.2	5.8	6.2	PST-5TO	5.9	6.6	5.7	6.1	5.7	6.0
OLYMPIC GOLD (PST-5E5)	6.1	6.9	6.0	6.1	5.8	6.2	RESERVE (ATF-182)	6.0	6.4	5.8	6.0	5.7	6.0
WATCHDOG (PICK FA B-93)	6.1	6.7	6.0	6.5	5.6	6.2	MB 28	5.9	6.3	5.8	5.8	6.0	6.0
COYOTE	6.2	6.6	5.6	6.4	5.9	6.2	ANTHEM II (TMI-FMN)	5.3	7.1	5.9	5.8	5.6	6.0
PICK FA XK-95	5.9	6.9	5.7	6.5	5.8	6.2	MB 215	5.9	6.3	5.7	5.9	6.0	6.0
RED COAT (ATF-038)	6.4	6.6	5.9	6.2	5.6	6.2	OFI-96-31	5.5	6.6	5.8	6.1	5.8	6.0
BAR FA 6D	5.7	6.7	6.0	6.5	5.9	6.2	BAR FA6D USA	5.1	6.4	5.8	6.5	5.9	5.9
ARABIA (J-5)	5.7	6.6	5.9	6.4	6.1	6.2	PICK FA N-93	5.1	6.5	5.7	6.5	6.0	5.9
ARID 3 (J-98)	6.0	6.8	5.7	6.4	5.9	6.1	WOLFPAK (PST-R5TK)	5.4	6.4	6.0	6.1	5.7	5.9
PST-523	6.0	6.8	5.8	6.3	5.8	6.1	VELOCITY (AA-983)	5.9	6.3	5.7	6.0	5.9	5.9
SUNPRO	5.8	6.7	5.8	6.3	6.0	6.1	MB 216	5.7	6.4	5.6	5.8	6.0	5.9
ATF-196	5.9	6.9	5.8	6.1	5.9	6.1	CU9502T	5.4	6.9	5.3	6.3	5.7	5.9
BAR FA6 US2U	5.9	6.5	5.9	6.3	6.0	6.1	EMPRESS	5.3	6.8	5.5	6.3	5.7	5.9
PST-5M5	6.1	6.4	6.1	6.3	5.7	6.1	OFI-FWY	6.0	6.6	5.0	6.3	5.7	5.9
BAR FA6 US3	5.6	6.4	5.9	6.4	6.1	6.1	PICK FA 6-91	5.7	6.5	5.2	6.0	6.0	5.9
CROSSFIRE II	5.7	6.8	5.8	6.4	5.7	6.1	BONSAI 2000 (BULLET)	5.2	6.8	5.8	6.1	5.5	5.9
MB 211	6.3	6.8	5.7	6.0	5.7	6.1	ISI-TF9	5.9	6.6	5.5	5.9	5.5	5.9
MB 214	5.9	6.8	5.7	5.8	6.1	6.1	CU9501T	5.5	6.6	5.8	6.0	5.6	5.9
BAR FA6 US1	5.7	6.6	5.6	6.5	5.9	6.1	CORONADO	5.2	6.7	5.7	6.1	5.7	5.9
PICK FA 15-92	5.7	6.9	5.7	6.1	5.9	6.1	GENESIS	5.6	6.6	5.5	6.0	5.7	5.9
SR 8210	5.8	6.7	5.8	6.5	5.5	6.1	BULLDAWG (PICK GA-96)	5.5	6.6	5.4	6.2	5.7	5.9
OFI-951	5.6	6.5	6.0	6.4	5.9	6.1	MB 210	5.6	6.5	5.9	5.9	5.4	5.9
GAZELLE	5.2	7.0	5.7	6.7	5.7	6.1	ISI-TF11	5.9	6.5	5.4	5.8	5.6	5.9
TAR HEEL	5.9	6.9	5.9	5.9	5.7	6.0	SHORTSTOP II	5.0	6.6	5.8	6.2	5.7	5.9
SOUTHERN CHOICE	5.9	6.7	6.0	6.0	5.6	6.0	ATF-253	5.7	6.7	5.4	5.7	5.7	5.8
REBEL SENTRY (AA-A91)	5.8	6.7	5.8	6.2	5.8	6.0	ARID 2 (J-3)	5.4	6.5	5.7	5.8	5.7	5.8
MB 212	6.1	6.9	5.5	6.0	5.8	6.0	BANDANA (PST-R5AE)	5.2	6.7	5.7	5.9	5.6	5.8
APACHE II	6.0	6.6	5.8	6.2	5.6	6.0	OFI-96-32	5.6	6.6	5.5	5.8	5.6	5.8
R5AU	6.0	6.8	5.7	6.1	5.6	6.0	ATF-257	6.4	6.8	4.9	5.7	5.3	5.8
ATF-188	5.5	6.7	5.7	6.6	5.7	6.0	DUSTER	5.2	6.7	5.6	6.0	5.6	5.8
REBEL 2000 (AA-989)	5.7	6.6	5.7	5.9	6.2	6.0	BAR FA6 US6F	5.3	6.5	5.5	6.0	5.8	5.8
CORONADO GOLD (PST-5RT)	6.2	6.4	6.0	6.0	5.7	6.0	CHAPEL HILL (TA-7)	5.6	6.3	5.6	5.8	5.7	5.8
COCHISE II	6.2	6.7	5.5	6.1	5.7	6.0	PRO 8430	5.3	6.6	5.6	6.0	5.5	5.8
TULSA	5.9	6.8	5.8	5.9	5.7	6.0							

TABLE 14. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT A 1.6-2.0 INCH MOWING HEIGHT  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF						
NAME	AR1	CA1	CA3	IN1	WA1	MEAN
RENEGADE	5.4	6.6	5.7	5.8	5.5	5.8
TWILIGHT II (TMI-TW)	5.2	6.7	5.6	5.7	5.8	5.8
PICK FA UT-93	5.3	6.6	5.2	6.3	5.6	5.8
PIXIE E+	5.3	6.6	5.1	6.0	5.9	5.8
REGIMENT	5.1	6.6	5.5	6.1	5.5	5.8
FINELAWN PETITE	5.0	6.6	5.7	5.8	5.7	5.8
ATF-020	5.9	6.4	5.4	5.5	5.7	5.8
AZTEC II (TMI-AZ)	4.7	6.8	5.7	6.0	5.6	5.7
DP 50-9011	5.3	6.9	5.3	6.0	5.3	5.7
LEPRECHAUN	5.0	6.5	5.6	6.0	5.6	5.7
WX3-275	5.2	6.6	5.5	5.9	5.5	5.7
EC-101	5.0	6.6	5.7	5.8	5.5	5.7
ATF-022	5.8	6.4	5.2	5.7	5.5	5.7
COMSTOCK (SSDE31)	5.7	6.3	5.4	5.6	5.6	5.7
TOMAHAWK-E	4.8	6.6	5.5	5.9	5.8	5.7
FALCON II	4.9	6.6	5.5	5.8	5.6	5.7
WVPB-1D	5.4	6.6	5.2	5.7	5.5	5.7
GOOD-EN (KOOS 96-14)	5.1	6.5	5.4	5.7	5.7	5.7
MARKSMAN	5.3	6.5	5.2	5.7	5.5	5.6
EQUINOX (TMI-N91)	5.0	6.7	5.5	5.5	5.6	5.6
SHENANDOAH	5.7	6.3	5.2	5.9	5.1	5.6
PEDESTAL (PC-AO)	5.0	6.5	5.2	5.9	5.5	5.6
SRX 8084	5.1	6.6	5.5	5.8	5.2	5.6
SAFARI	5.3	6.8	5.3	5.6	5.1	5.6
AXIOM (ATF-192)	5.3	6.4	5.5	5.5	5.4	5.6
BONSAI	4.8	6.4	5.5	5.8	5.6	5.6
PSII-TF-9	5.4	6.4	5.1	5.8	5.4	5.6
WVPB-1B	5.3	6.4	5.2	5.8	5.4	5.6
WPEZE (WVPB-1C)	5.0	6.5	5.2	5.8	5.4	5.6
PSII-TF-10	5.1	6.4	5.1	5.7	5.6	5.6
KITTY HAWK S.S.T. (SS45DW)	4.7	6.4	5.2	5.8	5.5	5.5
TITAN 2	5.4	6.3	4.9	5.5	5.0	5.4
JTTFC-96	5.3	6.3	5.0	5.6	4.7	5.4
JSC-1	4.8	6.3	4.9	5.5	5.4	5.4
JTFA-96	5.0	6.1	4.7	5.7	4.7	5.2
DLF-1	5.1	5.9	4.5	5.3	4.9	5.1
ARID	4.7	5.8	4.7	5.1	4.6	5.0
DP 7952	4.4	5.6	4.4	5.2	4.5	4.8
AV-1	4.3	5.1	4.3	4.9	4.9	4.7
KENTUCKY-31 W/ENDO.	3.5	3.1	4.0	3.3	3.5	3.5
LSD VALUE	0.9	0.3	0.5	0.4	0.4	0.3
C.V. (%)	10.6	3.2	5.6	4.1	4.1	5.9

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 15.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT A 2.1-2.5 INCH MOWING HEIGHT 1/  
1998 DATA

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

NAME	IL1	IL2	KS2	MD1	MO1	OK1	UT1	VA1	VA4	MEAN
REMBRANDT (LTP-4026 E+)	5.9	8.0	7.0	5.8	6.3	6.9	5.9	6.1	6.1	6.5
PLANTATION (PENNINGTON-1901)	5.4	7.2	6.9	5.4	6.4	6.9	6.1	6.1	5.8	6.2
SCORPION (ZPS-2PTF)	6.0	7.8	6.8	5.2	6.4	6.3	5.6	5.4	6.1	6.2
SHENANDOAH II (WRS2)	5.7	7.8	6.6	5.3	6.0	6.6	5.3	6.3	6.0	6.2
PST-5M5	5.4	7.2	6.9	5.0	6.0	6.7	5.6	6.2	6.2	6.1
PICK RT-95	5.8	7.6	6.4	4.6	5.8	6.3	5.7	5.6	6.4	6.0
PST-523	5.8	7.3	6.8	4.9	6.0	6.7	5.3	5.5	6.1	6.0
WOLFPACK (PST-R5TK)	5.8	6.8	6.6	5.3	5.5	6.9	5.0	6.2	6.0	6.0
MILLENNIUM (TMI-RBR)	5.7	7.3	6.6	5.1	5.8	6.7	4.8	5.8	6.1	6.0
MASTERPIECE (LTP-SD-TF)	5.7	7.3	6.9	5.0	5.6	6.4	5.0	5.6	6.4	6.0
JAGUAR 3	5.7	7.7	6.7	4.4	5.8	6.6	5.0	5.9	6.0	6.0
REBEL SENTRY (AA-A91)	5.6	6.7	6.8	5.8	5.9	6.4	5.2	5.4	5.9	6.0
GENESIS	5.2	6.3	6.8	5.3	5.8	6.4	5.3	6.3	6.0	5.9
WATCHDOG (PICK FA B-93)	5.3	7.0	6.4	5.1	5.5	6.7	5.9	5.3	6.2	5.9
TAR HEEL	5.7	7.0	6.7	4.3	5.7	6.3	5.8	6.0	5.9	5.9
COYOTE	5.4	6.8	6.4	4.9	5.9	6.6	5.1	6.1	6.2	5.9
CROSSFIRE II	5.8	7.6	6.8	4.0	5.9	6.6	4.8	5.7	6.0	5.9
PIXIE E+	4.9	6.9	6.6	5.5	5.7	6.4	5.0	6.0	6.0	5.9
RESERVE (ATF-182)	5.0	7.5	6.6	5.0	5.3	6.4	4.9	6.1	5.9	5.9
CU9502T	5.3	6.0	6.7	5.4	5.5	6.2	5.3	6.0	6.1	5.8
SHENANDOAH	5.6	6.5	6.8	5.6	5.3	6.2	4.8	5.9	5.7	5.8
R5AU	5.0	7.3	6.5	4.4	5.7	6.3	5.6	5.8	5.8	5.8
MB 210	5.0	6.3	7.0	5.0	5.7	6.2	6.1	5.3	5.9	5.8
MB 211	5.1	6.7	6.9	4.4	6.0	6.5	5.3	5.6	5.7	5.8
OLYMPIC GOLD (PST-5E5)	5.5	6.4	6.5	4.8	5.6	6.5	4.7	6.1	6.1	5.8
ISI-TF11	5.9	6.2	6.6	4.7	5.3	6.3	5.2	5.9	6.0	5.8
MUSTANG II	5.7	7.4	6.9	4.3	5.4	6.7	4.9	4.9	6.0	5.8
BONSAI 2000 (BULLET)	5.7	7.3	6.8	4.7	5.3	6.4	5.2	5.0	5.8	5.8
GAZELLE	5.4	6.8	6.5	5.2	5.1	6.2	5.3	5.4	6.0	5.8
BANDANA (PST-R5AE)	5.4	6.4	6.6	5.1	5.6	6.6	4.4	5.7	6.1	5.8
CHAPEL HILL (TA-7)	5.0	6.3	6.5	4.9	5.9	6.2	5.3	6.1	5.9	5.8
SOUTHERN CHOICE	5.0	6.7	6.9	5.0	5.4	6.3	4.9	5.7	5.9	5.8
SAFARI	5.8	6.5	6.6	5.3	5.3	6.3	4.3	5.9	5.9	5.8
BAR FA6D USA	5.2	5.8	6.8	5.2	5.5	6.6	5.4	5.4	5.9	5.7
EMPRESS	5.7	6.2	6.5	5.0	5.6	6.1	5.3	5.4	5.8	5.7
OFI-931	5.0	6.3	6.6	5.1	5.2	6.3	5.4	5.7	6.0	5.7
RENEGADE	5.1	6.1	6.6	5.4	5.5	6.4	4.4	6.0	6.0	5.7
TULSA	5.2	6.6	6.6	4.5	5.8	6.3	5.5	5.2	5.8	5.7
MB 212	4.9	7.2	6.8	4.0	5.6	6.4	5.1	5.6	6.1	5.7
ANTHEM II (TMI-FMN)	5.1	6.4	6.6	4.1	5.5	6.3	6.2	5.0	6.1	5.7
ATF-257	5.8	6.7	6.7	4.6	5.5	6.1	4.7	5.6	5.7	5.7
PRO 8430	5.7	6.6	6.7	4.3	5.5	6.2	5.0	5.6	5.8	5.7
DUSTER	5.1	6.2	6.6	4.9	5.3	6.4	5.6	5.5	5.7	5.7
BAR FA6 US2U	5.1	5.7	6.7	4.7	5.7	6.0	6.3	5.3	5.9	5.7

TABLE 15.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT A 2.1-2.5 INCH MOWING HEIGHT  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF										
NAME	IL1	IL2	KS2	MD1	MO1	OK1	UT1	VA1	VA4	MEAN
BRAVO (RG-93)	5.1	6.4	6.8	4.7	5.6	6.0	4.8	5.7	6.1	5.7
ARID 3 (J-98)	5.1	6.3	6.7	5.5	5.5	6.0	5.4	4.9	5.9	5.7
CU9501T	4.9	6.1	6.4	5.5	5.5	6.4	5.0	5.6	5.9	5.7
MB 29	5.1	5.7	6.5	4.7	6.0	6.3	5.0	5.8	6.0	5.7
TWILIGHT II (IMI-TW)	5.0	6.2	6.7	4.4	5.6	6.5	5.3	5.5	6.0	5.7
ATF-196	4.9	7.5	6.4	4.8	5.3	6.2	4.9	5.3	5.6	5.7
LION	5.3	6.3	6.5	4.8	5.6	6.4	4.6	5.4	6.0	5.7
PST-5TO	5.2	6.0	6.8	4.4	5.8	6.3	5.1	5.4	6.0	5.6
FINELAWN PETITE	5.0	5.5	6.5	4.6	5.6	6.4	5.8	5.6	5.8	5.6
MB 215	4.6	5.6	6.5	4.6	6.0	6.3	5.4	6.1	5.7	5.6
MB 28	4.9	5.7	6.8	4.6	5.8	6.3	5.3	5.5	5.9	5.6
CORONADO	5.0	5.8	6.8	3.8	6.2	6.1	5.9	5.4	5.7	5.6
REGIMENT	5.4	6.1	6.4	5.0	5.5	6.1	4.4	5.8	6.0	5.6
BAR FA6 US6F	5.1	5.2	6.4	4.6	5.8	6.4	5.8	5.5	6.0	5.6
REBEL 2000 (AA-989)	4.5	5.6	6.7	5.2	5.8	5.9	5.2	6.0	5.9	5.6
FALCON II	5.1	5.1	6.7	5.3	5.4	6.1	5.2	5.6	5.9	5.6
BRANDY (J-101)	4.9	6.7	6.7	4.2	5.5	6.3	4.9	5.3	6.0	5.6
BAR FA6 US3	5.1	5.9	6.6	4.1	5.8	6.7	5.2	5.0	6.0	5.6
GOOD-EN (KOOS 96-14)	5.4	5.8	6.6	4.6	5.3	6.3	4.9	5.9	5.7	5.6
ISI-TF9	5.2	6.5	6.5	4.4	5.3	6.5	4.6	5.5	5.9	5.6
ZPS-5LZ	4.9	5.8	6.5	4.5	5.3	6.3	5.7	5.5	5.8	5.6
MB 26	5.0	6.1	6.8	4.7	5.9	6.4	4.7	5.1	5.6	5.6
ATF-253	5.7	7.0	6.5	3.8	5.6	6.4	4.1	5.6	5.6	5.6
SRX 8500	5.0	5.8	6.8	4.6	5.7	6.5	5.2	5.0	5.8	5.6
APACHE II	5.2	5.6	6.6	5.0	5.3	6.1	4.8	5.6	5.9	5.6
OFI-FWY	5.0	5.2	6.5	4.4	5.7	6.4	5.7	5.6	5.8	5.6
ATF-022	4.9	7.0	6.5	4.3	5.4	6.2	4.8	5.7	5.3	5.6
TITAN 2	5.5	5.6	6.6	5.3	5.4	6.1	4.4	5.7	5.5	5.6
VELOCITY (AA-983)	4.8	6.2	6.5	4.6	5.5	6.3	4.9	5.6	5.7	5.6
MB 216	4.7	5.5	6.6	4.4	5.8	6.3	5.3	5.6	5.8	5.6
BAR FA 6D	4.8	5.2	6.6	5.2	5.5	6.3	5.6	4.9	5.8	5.6
ARID 2 (J-3)	5.1	6.1	6.5	4.6	5.4	5.7	5.6	5.2	5.7	5.5
BULLDAWG (PICK GA-96)	5.3	5.3	6.5	4.6	5.4	6.2	4.9	5.6	6.0	5.5
OFI-96-32	5.1	6.0	6.5	4.1	5.5	6.3	4.8	5.9	5.6	5.5
SUNPRO	5.0	5.0	6.5	4.8	5.5	6.2	5.8	5.2	5.7	5.5
RED COAT (ATF-038)	4.5	6.3	6.4	4.4	5.7	6.4	4.8	5.8	5.4	5.5
WPEZE (WVPB-1C)	5.0	5.5	6.4	4.8	5.4	6.1	4.8	6.0	5.7	5.5
MB 213	4.7	5.9	6.9	4.2	5.9	6.1	4.9	5.5	5.5	5.5
AZTEC II (TMI-AZ)	5.4	6.0	6.7	3.8	5.5	6.1	4.6	5.1	6.1	5.5
MB 214	4.5	5.5	6.5	4.8	5.4	6.0	5.2	5.8	5.6	5.5
ATF-188	5.0	6.4	6.7	4.3	4.9	6.4	4.7	5.3	5.7	5.5
COMSTOCK (SSDE31)	5.1	5.1	6.5	4.4	5.4	6.2	4.6	6.3	5.6	5.5
ALAMO E	5.3	5.9	6.5	4.6	5.3	6.3	4.7	5.1	5.6	5.5
WVPB-1B	5.1	5.6	6.4	4.7	5.2	6.1	4.9	5.8	5.4	5.5
BAR FA 6LV	4.7	5.8	6.7	4.9	5.1	6.0	5.4	5.1	5.6	5.5

TABLE 15. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT A 2.1-2.5 INCH MOWING HEIGHT  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF										
NAME	IL1	IL2	KS2	MD1	MO1	OK1	UT1	VA1	VA4	MEAN
MARKSMAN	5.3	5.5	6.8	4.0	5.4	6.3	4.8	5.3	6.0	5.5
CORONADO GOLD (PST-5RT)	5.3	5.2	6.7	3.7	5.6	6.4	4.7	5.7	6.0	5.5
SRX 8084	5.2	5.5	6.4	4.4	5.3	6.1	4.7	5.6	5.9	5.5
OFI-96-31	4.9	4.8	6.7	4.2	5.5	6.4	5.4	5.5	5.8	5.4
EA 41	5.0	5.0	6.2	5.0	5.9	6.2	4.7	5.4	5.7	5.4
KITTY HAWK S.S.T. (SS45DW)	5.7	5.6	6.6	3.9	5.2	6.1	4.6	5.6	5.7	5.4
SR 8210	5.0	5.0	6.7	4.0	5.3	6.1	5.4	5.2	6.0	5.4
ARABIA (J-5)	4.8	5.4	6.1	4.0	5.6	6.1	6.1	4.9	5.9	5.4
TOMAHAWK-E	5.3	5.6	6.5	4.1	5.2	6.0	4.9	5.5	5.6	5.4
ATF-020	5.0	6.4	6.4	4.4	5.0	6.1	4.8	5.2	5.5	5.4
PSII-TF-9	5.0	5.6	6.3	4.7	5.4	6.3	4.4	5.6	5.4	5.4
EQUINOX (TMI-N91)	5.4	5.1	6.4	4.6	5.4	6.1	4.8	5.3	5.7	5.4
PICK FA 6-91	4.9	5.5	6.5	4.6	5.7	6.3	5.1	4.6	5.6	5.4
AXIOM (ATF-192)	4.9	5.5	6.5	4.1	5.3	6.0	5.3	5.4	5.6	5.4
OFI-951	4.8	5.0	6.5	4.7	5.5	6.2	5.4	4.7	5.8	5.4
LEPRECHAUN	5.3	4.8	6.5	5.1	5.2	6.1	4.7	5.4	5.5	5.4
PSII-TF-10	5.1	5.2	6.5	4.0	5.5	6.3	4.4	5.8	5.6	5.4
COCHISE II	5.0	5.6	6.4	4.7	5.6	6.4	4.1	5.2	5.5	5.4
ISI-TF10	4.9	4.8	6.4	4.1	5.7	6.5	5.3	5.5	5.3	5.4
WX3-275	5.2	5.8	6.4	3.9	5.3	6.1	4.7	5.4	5.7	5.4
SHORTSTOP II	4.9	5.2	6.4	5.1	5.6	6.0	5.1	4.6	5.6	5.4
PICK FA XK-95	5.1	5.5	6.5	3.7	5.6	6.3	4.4	5.5	5.7	5.4
EC-101	4.9	5.3	6.5	3.8	5.4	6.2	4.8	5.5	5.8	5.4
BAR FA6 US1	4.5	5.4	6.6	4.8	5.5	6.3	5.3	4.3	5.6	5.4
WVPB-1D	4.8	5.2	6.5	4.3	5.3	6.4	4.0	5.8	5.6	5.3
PICK FA 20-92	5.2	5.0	6.0	4.7	5.4	6.4	4.6	4.9	5.4	5.3
PEDESTAL (PC-AO)	4.8	5.5	6.7	4.0	5.1	6.0	4.2	5.8	5.7	5.3
JTTFC-96	4.9	5.3	6.4	4.4	5.5	6.4	3.9	5.3	5.4	5.3
PICK FA N-93	5.0	5.4	6.5	4.2	5.1	6.4	5.0	4.2	5.4	5.3
BONSAI	4.8	5.3	6.5	3.9	5.5	6.3	4.2	5.3	5.4	5.2
JTTFA-96	5.0	4.7	5.9	5.5	4.9	6.2	4.5	5.0	5.3	5.2
ARID	4.6	4.8	5.9	4.9	5.3	6.0	4.3	5.2	5.0	5.1
DP 50-9011	4.6	4.5	6.1	4.7	5.1	6.0	4.9	4.7	5.3	5.1
PICK FA 15-92	4.6	5.3	6.4	3.9	5.3	5.6	4.8	4.7	5.2	5.1
DLF-1	4.6	4.4	6.5	4.0	5.0	6.1	4.3	5.4	5.1	5.0
JSC-1	5.0	4.0	6.4	3.9	5.0	5.8	4.4	5.6	5.3	5.0
DP 7952	4.6	4.1	6.4	5.0	5.0	5.6	4.3	4.7	5.0	5.0
PICK FA UT-93	4.4	3.8	5.8	3.8	4.9	5.9	5.7	4.0	5.2	4.8
AV-1	4.8	3.2	6.2	3.9	4.7	5.3	3.8	5.4	5.0	4.7
KENTUCKY-31 W/ENDO.	3.9	2.6	4.7	3.6	4.7	5.2	3.6	4.0	4.0	4.0
LSD VALUE	0.7	1.5	0.4	1.1	0.6	0.7	1.1	0.8	0.5	0.3
C.V. (%)	8.5	15.3	3.9	15.4	6.7	6.9	13.8	8.7	5.8	9.9

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 16.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT A 2.6+ INCH MOWING HEIGHT 1/  
1998 DATA

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

NAME	IA1	MI1	MO3	SC2	MEAN	NAME	IA1	MI1	MO3	SC2	MEAN
PLANTATION (PENNINGTON-1901)	6.0	6.5	7.3	5.7	6.4	PST-523	5.4	6.0	6.3	5.3	5.8
MB 216	5.8	6.4	7.1	5.8	6.3	SAFARI	5.4	6.5	6.0	5.1	5.8
MB 28	5.9	6.3	6.7	5.8	6.2	SOUTHERN CHOICE	5.2	6.4	6.3	5.1	5.8
REMBRANDT (LTP-4026 E+)	5.3	6.3	7.1	6.0	6.2	BANDANA (PST-R5AE)	5.4	6.2	6.2	5.2	5.7
PIXIE E+	5.9	6.1	6.5	5.8	6.1	MARKSMAN	5.6	6.1	5.7	5.6	5.7
MILLENNIUM (IMI-RBR)	5.8	6.3	6.6	5.4	6.0	MB 211	4.3	6.4	6.6	5.7	5.7
MB 212	5.1	6.5	6.7	5.7	6.0	BAR FA6D USA	4.9	5.8	6.9	5.3	5.7
MB 29	5.2	6.3	6.7	5.8	6.0	MB 210	4.7	5.9	6.5	5.9	5.7
MB 215	5.1	6.2	7.2	5.6	6.0	OFI-931	5.1	5.7	6.8	5.3	5.7
CU9501T	5.6	5.7	6.8	5.8	6.0	SHENANDOAH	5.6	6.2	5.8	5.3	5.7
SHENANDOAH II (WRS2)	5.6	6.0	6.9	5.4	6.0	CHAPEL HILL (TA-7)	4.8	6.4	6.3	5.3	5.7
BRANDY (J-101)	5.4	6.3	6.7	5.6	6.0	OFI-96-31	4.9	5.9	6.7	5.3	5.7
R5AU	5.2	6.3	6.8	5.6	6.0	DUSTER	5.6	5.8	6.4	5.1	5.7
MB 213	5.2	6.0	7.1	5.6	6.0	BRAVO (RG-93)	5.1	5.8	6.8	5.2	5.7
AZTEC II (TMI-AZ)	5.5	6.4	6.5	5.3	5.9	CORONADO	5.3	5.5	6.5	5.4	5.7
WATCHDOG (PICK FA B-93)	5.5	6.3	6.5	5.4	5.9	OFI-96-32	5.3	5.9	6.2	5.4	5.7
REBEL SENTRY (AA-A91)	5.5	5.6	7.0	5.6	5.9	SR 8210	5.2	6.2	6.4	5.0	5.7
RENEGADE	6.3	5.9	6.3	5.2	5.9	WVPB-1D	5.3	6.1	6.2	5.2	5.7
TULSA	5.6	6.1	6.4	5.6	5.9	BONSAI 2000 (BULLET)	5.5	5.6	6.2	5.4	5.7
MB 26	4.8	6.1	7.2	5.6	5.9	BAR FA6 US6F	5.3	5.8	6.5	5.1	5.7
TWILIGHT II (TMI-TW)	5.2	6.2	7.0	5.2	5.9	PEDESTAL (PC-AO)	4.9	6.1	6.4	5.3	5.7
PST-5M5	5.3	6.3	6.8	5.1	5.9	GENESIS	5.3	.	6.3	5.4	5.7
REGIMENT	5.8	6.0	6.1	5.6	5.9	ARID	6.1	6.3	4.9	5.4	5.7
OLYMPIC GOLD (PST-5E5)	5.1	6.5	6.7	5.2	5.9	BAR FA 6D	5.0	6.4	6.0	5.3	5.7
SCORPION (ZPS-2PTF)	5.3	6.0	6.9	5.2	5.9	PSII-TF-9	5.3	6.1	6.0	5.3	5.7
MB 214	5.0	5.8	7.0	5.6	5.9	ARID 2 (J-3)	4.3	6.3	6.5	5.6	5.7
MASTERPIECE (LTP-SD-TF)	5.1	5.9	7.0	5.4	5.9	GAZELLE	5.2	5.6	6.5	5.2	5.7
WOLFPACK (PST-R5TK)	5.3	6.3	6.6	5.2	5.8	EC-101	4.5	6.4	6.3	5.3	5.7
ZPS-5LZ	5.4	5.4	7.3	5.2	5.8	BAR FA6 US3	4.8	5.5	6.9	5.3	5.6
ISI-TF11	5.8	5.8	6.3	5.3	5.8	ATF-188	4.9	6.3	6.0	5.3	5.6
LION	5.0	6.2	6.8	5.3	5.8	JSC-1	5.2	6.1	5.9	5.3	5.6
PICK RT-95	4.7	6.1	7.3	5.2	5.8	EA 41	4.9	6.0	6.6	5.0	5.6
RED COAT (ATF-038)	5.2	6.3	6.3	5.6	5.8	OFI-951	4.7	6.0	6.7	5.2	5.6
TAR HEEL	5.2	6.3	6.4	5.4	5.8	WX3-275	5.4	5.8	6.0	5.2	5.6
ANTHEM II (TMI-FMN)	5.3	6.4	6.1	5.4	5.8	BAR FA6 US2U	4.9	5.8	6.5	5.3	5.6
ALAMO E	5.2	6.3	6.2	5.6	5.8	VELOCITY (AA-983)	3.9	6.0	7.0	5.6	5.6
MUSTANG II	5.1	6.1	6.2	5.9	5.8	PSII-TF-10	5.3	5.8	6.2	5.2	5.6
CROSSFIRE II	5.7	5.8	6.6	5.2	5.8	ATF-253	5.1	5.7	6.3	5.3	5.6
TITAN 2	6.2	6.0	5.6	5.4	5.8	ISI-TF9	4.8	6.1	6.1	5.3	5.6
COYOTE	5.3	5.8	6.6	5.3	5.8	CORONADO GOLD (PST-5RT)	4.8	5.9	6.4	5.2	5.6
CU9502T	5.0	6.3	6.4	5.4	5.8	SRX 8084	5.2	6.2	6.0	5.0	5.6
REBEL 2000 (AA-989)	5.3	5.6	6.5	5.7	5.8	ATF-196	4.9	5.2	6.8	5.4	5.6
ARID 3 (J-98)	4.7	5.7	7.2	5.6	5.8	EMPRESS	5.3	5.6	6.2	5.2	5.6
JAGUAR 3	5.0	5.9	6.9	5.2	5.8	ATF-022	5.0	5.8	6.0	5.4	5.6
						WPEZE (WVPB-1C)	5.1	5.9	5.9	5.3	5.6



TABLE 16. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT A 2.6+ INCH MOWING HEIGHT  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF					
NAME	IA1	MI1	MO3	SC2	MEAN
APACHE II	5.0	5.6	6.0	5.6	5.6
ISI-TF10	4.5	6.3	6.2	5.2	5.6
ARABIA (J-5)	4.6	5.5	6.7	5.4	5.6
FALCON II	5.1	6.0	5.8	5.2	5.6
ATF-257	4.8	6.0	5.9	5.4	5.5
PRO 8430	5.3	5.7	6.0	5.1	5.5
ATF-020	4.6	5.8	6.3	5.4	5.5
PICK FA 15-92	4.7	5.6	6.4	5.6	5.5
SRX 8500	4.8	5.9	6.3	5.2	5.5
BONSAI	4.7	6.3	5.8	5.3	5.5
BAR FA6 US1	4.4	5.6	6.7	5.3	5.5
DP 7952	5.3	6.1	5.4	5.3	5.5
FINELAWN PETITE	5.6	5.3	5.9	5.3	5.5
LEPRECHAUN	5.4	5.7	5.8	5.1	5.5
WVPB-1B	5.0	5.9	6.1	5.1	5.5
BAR FA 6LV	4.9	5.7	6.2	5.2	5.5
KITTY HAWK S.S.T. (SS45DW)	4.8	5.9	6.0	5.4	5.5
AXIOM (ATF-192)	4.9	5.9	5.7	5.6	5.5
JTTFC-96	5.1	6.4	5.6	5.0	5.5
DLF-1	4.9	6.2	5.3	5.6	5.5
GOOD-EN (KOOS 96-14)	4.7	5.9	6.0	5.4	5.5
TOMAHAWK-E	4.6	6.1	6.1	5.2	5.5
PST-5TO	4.2	6.1	6.4	5.2	5.5
COMSTOCK (SSDE31)	4.6	6.3	5.6	5.4	5.5
DP 50-9011	4.3	6.2	6.0	5.3	5.5
PICK FA 6-91	4.4	5.2	6.7	5.6	5.5
SHORTSTOP II	5.1	4.9	6.3	5.6	5.4
PICK FA XK-95	4.8	5.3	6.4	5.2	5.4
RESERVE (ATF-182)	4.5	5.8	6.0	5.6	5.4
SUNPRO	4.6	5.6	6.3	5.3	5.4
COCHISE II	4.9	5.4	6.2	5.2	5.4
AV-1	4.9	6.2	5.1	5.4	5.4
EQUINOX (TMI-N91)	4.3	6.1	5.7	5.4	5.4
OFI-FWY	4.9	5.6	5.8	5.1	5.4
JTTFA-96	5.1	6.1	5.3	5.0	5.4
PICK FA 20-92	4.6	5.1	6.7	5.1	5.4
BULLDAWG (PICK GA-96)	4.3	5.5	6.3	5.2	5.3
PICK FA N-93	4.2	4.9	6.7	5.2	5.3
KENTUCKY-31 W/ENDO.	5.9	6.6	3.5	4.7	5.2
PICK FA UT-93	4.2	4.3	6.4	5.2	5.0
LSD VALUE	1.3	0.8	0.6	1.2	0.5
C.V. (%)	15.6	8.4	5.4	13.5	10.9

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 17. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 UNDER DIFFERENT IRRIGATION LEVELS 1/  
 1998 DATA

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

NAME	IRRIGATION PRACTICED			MEAN
	TO PREVENT STRESS	TO PREVENT DORMANCY	SEVERE STRESS/ NO IRRIGATION	
REMBRANDT (LTP-4026 E+)	6.2	6.8	6.7	6.4
PLANTATION (PENNINGTON-1901)	6.3	6.4	6.6	6.4
MILLENNIUM (TMI-RBR)	6.1	6.3	6.5	6.2
SHENANDOAH II (WRS2)	6.1	6.5	6.4	6.2
SCORPION (ZPS-2PTF)	6.1	6.5	6.1	6.1
PICK RT-95	6.0	6.5	6.1	6.1
MASTERPIECE (LTP-SD-TF)	5.9	6.4	6.2	6.1
JAGUAR 3	6.0	6.3	6.2	6.0
CROSSFIRE II	6.0	6.0	6.0	6.0
WATCHDOG (PICK FA B-93)	5.9	6.2	6.2	6.0
COYOTE	5.9	6.1	6.2	6.0
REBEL SENTRY (AA-A91)	5.8	6.3	6.1	6.0
EST-523	5.9	6.1	6.1	6.0
OLYMPIC GOLD (PST-5E5)	5.8	6.0	6.5	6.0
EST-5M5	5.7	6.3	6.4	5.9
ARID 3 (J-98)	5.8	6.2	6.1	5.9
MB 26	5.9	5.9	6.1	5.9
TAR HEEL	5.8	5.9	6.3	5.9
WOLFPACK (PST-R5TK)	5.7	6.2	6.3	5.9
GAZELLE	5.8	6.1	6.0	5.9
CJ9502T	5.7	6.0	6.4	5.9
MB 29	5.7	5.8	6.5	5.9
MB 211	5.7	5.9	6.4	5.9
MB 212	5.7	6.0	6.5	5.8
SOUTHERN CHOICE	5.7	6.0	6.1	5.8
MB 213	5.8	5.7	6.1	5.8
BONSAI 2000 (BULLET)	5.8	6.0	5.9	5.8
BRANDY (J-101)	5.7	5.9	6.1	5.8
OFI-931	5.7	6.0	6.1	5.8
BAR FA6 US3	5.8	5.7	5.9	5.8
ZPS-5LZ	5.8	5.9	5.9	5.8
GENESIS	5.6	6.0	6.5	5.8
CJ9501T	5.6	6.1	6.3	5.8
MUSTANG II	5.7	6.0	6.1	5.8
ATF-196	5.7	6.2	5.7	5.8
PIXIE E+	5.6	6.2	6.3	5.8
BAR FA6D USA	5.7	5.9	6.1	5.8
MB 28	5.7	5.7	6.2	5.8
BAR FA6 US2U	5.8	5.7	6.0	5.8
EMPRESS	5.7	5.8	6.0	5.8
RESERVE (ATF-182)	5.6	6.1	6.2	5.8
ISI-TF11	5.7	5.8	6.1	5.8
BAR FA 6D	5.8	5.5	6.0	5.8
ANTHEM II (TMI-FMN)	5.7	5.7	6.1	5.8
MB 216	5.6	5.7	6.3	5.8

TABLE 17. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) UNDER DIFFERENT IRRIGATION LEVELS  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IRRIGATION PRACTICED			MEAN
	TO PREVENT STRESS	TO PREVENT DORMANCY	SEVERE STRESS/ NO IRRIGATION	
MB 214	5.6	5.8	6.2	5.8
MB 210	5.6	5.9	6.2	5.7
CHAPEL HILL (TA-7)	5.6	5.8	6.4	5.7
BRAVO (RG-93)	5.6	6.0	6.0	5.7
MB 215	5.6	5.8	6.3	5.7
TULSA	5.7	5.8	5.9	5.7
REBEL 2000 (AA-989)	5.6	5.8	6.1	5.7
CORONADO	5.8	5.5	5.8	5.7
AZTEC II (TMI-AZ)	5.7	5.6	6.0	5.7
RED COAT (ATF-038)	5.6	5.6	6.3	5.7
RENEGADE	5.6	5.9	6.2	5.7
R5AU	5.5	6.1	6.3	5.7
SRX 8500	5.7	5.6	6.0	5.7
SUNPRO	5.8	5.4	5.8	5.7
SHENANDOAH	5.5	5.9	6.2	5.7
ATF-188	5.6	5.6	6.1	5.7
PST-5TO	5.6	5.7	6.1	5.7
ATF-257	5.6	5.7	6.2	5.7
ARID 2 (J-3)	5.6	5.7	6.1	5.7
APACHE II	5.6	5.6	6.1	5.7
OFI-96-31	5.7	5.4	5.9	5.7
TWILIGHT II (TMI-TW)	5.6	5.9	6.0	5.7
BAR FA6 US1	5.7	5.6	5.6	5.7
BANDANA (PST-R5AE)	5.5	6.0	6.0	5.7
LION	5.5	6.0	6.0	5.7
DUSTER	5.6	5.8	5.9	5.7
ISI-TF9	5.6	5.7	6.2	5.7
BAR FA 6LV	5.6	5.6	5.9	5.7
ALAMO E	5.6	5.6	6.0	5.7
BULLDAWG (PICK GA-96)	5.6	5.6	6.0	5.7
SR 8210	5.7	5.4	5.9	5.7
SAFARI	5.5	5.9	6.2	5.7
OFI-951	5.7	5.5	5.8	5.7
PICK FA XK-95	5.7	5.3	5.8	5.7
PRO 8430	5.6	5.7	5.9	5.6
REGIMENT	5.5	5.8	6.0	5.6
CORONADO GOLD (PST-5RT)	5.6	5.3	5.9	5.6
ARABIA (J-5)	5.6	5.5	5.9	5.6
VELOCITY (AA-983)	5.4	5.9	6.0	5.6
OFI-FWY	5.6	5.3	5.9	5.6
EA 41	5.5	5.6	5.9	5.6
PICK FA 20-92	5.6	5.4	5.7	5.6
WX3-275	5.6	5.3	5.9	5.6
BAR FA6 US6F	5.5	5.6	5.9	5.6
FINELAWN PETITE	5.6	5.5	5.8	5.6

TABLE 17. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) UNDER DIFFERENT IRRIGATION LEVELS  
 1998 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IRRIGATION PRACTICED			MEAN
	TO PREVENT STRESS	TO PREVENT DORMANCY	SEVERE STRESS/ NO IRRIGATION	
COCHISE II	5.6	5.5	5.6	5.6
ATF-253	5.5	5.7	5.9	5.6
SHORTSTOP II	5.6	5.5	5.4	5.6
ATF-022	5.4	5.7	6.0	5.6
ISI-TF10	5.5	5.1	6.2	5.6
GOOD-EN (KOOS 96-14)	5.4	5.5	6.0	5.5
FALCON II	5.4	5.5	6.0	5.5
OFI-96-32	5.4	5.5	6.0	5.5
TITAN 2	5.5	5.5	5.9	5.5
PICK FA N-93	5.6	5.4	5.3	5.5
MARKSMAN	5.5	5.3	6.0	5.5
TOMAHAWK-E	5.4	5.4	5.9	5.5
ATF-020	5.3	5.7	6.0	5.5
PICK FA 15-92	5.5	5.2	5.7	5.5
PICK FA 6-91	5.5	5.6	5.5	5.5
PEDESTAL (PC-AO)	5.3	5.4	6.2	5.5
SRX 8084	5.4	5.4	6.0	5.5
EC-101	5.3	5.3	6.1	5.5
PSII-TF-9	5.3	5.4	6.0	5.5
PSII-TF-10	5.4	5.3	6.0	5.5
WPEZE (WVPB-1C)	5.3	5.5	6.0	5.4
LEPRECHAUN	5.4	5.3	5.8	5.4
WVPB-1B	5.3	5.4	5.9	5.4
WVPB-1D	5.3	5.3	5.9	5.4
KITTY HAWK S.S.T. (SS45DW)	5.3	5.3	5.9	5.4
COMSTOCK (SSDE31)	5.3	5.2	6.3	5.4
EQUINOX (TMI-N91)	5.3	5.3	5.8	5.4
BONSAI	5.3	5.1	5.9	5.4
AXIOM (ATF-192)	5.2	5.2	5.9	5.3
DP 50-9011	5.3	5.1	5.7	5.3
JTTFC-96	5.1	5.2	5.9	5.2
PICK FA UT-93	5.4	4.8	5.1	5.2
JSC-1	5.1	4.8	6.0	5.2
JTTFA-96	5.0	5.2	5.6	5.2
ARID	4.9	4.9	5.9	5.0
DLF-1	4.9	4.7	5.8	5.0
DP 7952	4.8	4.9	5.6	4.9
AV-1	4.5	4.3	5.7	4.7
KENTUCKY-31 W/ENDO.	3.7	3.4	4.7	3.8
LSD VALUE	0.2	0.5	0.4	0.2
C.V. (%)	8.9	11.0	8.9	9.3

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 18.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IRRIGATED TO PREVENT STRESS 1/  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/															MEAN	
	AR1	CA1	CA3	IA1	IL1	IN1	KS2	MO1	NE1	NJ1	NJ2	NY1	OH1	OK1	UT1		WA1
PLANTATION (PENNINGTON-1901)	6.2	7.0	6.1	6.0	5.4	6.4	6.9	6.4	6.6	6.0	5.8	4.4	8.3	6.9	6.1	6.0	6.3
REMBRANDT (LTP-4026 E+)	6.5	6.8	6.0	5.3	5.9	6.5	7.0	6.3	6.6	6.0	6.2	3.7	8.2	6.9	5.9	5.9	6.2
MILLENNIUM (TMI-RER)	6.0	6.9	6.2	5.8	5.7	6.4	6.6	5.8	6.2	5.9	6.0	4.8	8.0	6.7	4.8	5.9	6.1
SCORPION (ZPS-2PTF)	6.1	6.7	6.0	5.3	6.0	6.4	6.8	6.4	6.3	5.5	5.5	3.8	8.3	6.3	5.6	6.0	6.1
SHENANDOAH II (WRS2)	6.4	6.9	6.0	5.6	5.7	6.2	6.6	6.0	6.2	5.6	5.5	4.3	8.1	6.6	5.3	6.1	6.1
CROSSFIRE II	5.7	6.8	5.8	5.7	5.8	6.4	6.8	5.9	6.8	5.8	5.5	4.5	7.8	6.6	4.8	5.7	6.0
PICK RT-95	6.0	6.8	5.9	4.7	5.8	6.5	6.4	5.8	6.4	5.7	6.1	3.6	8.1	6.3	5.7	5.8	6.0
JAGUAR 3	6.9	7.0	6.0	5.0	5.7	6.3	6.7	5.8	5.7	5.2	5.3	4.2	8.3	6.6	5.0	5.7	6.0
MASTERPIECE (LTP-SD-TF)	6.1	6.8	5.7	5.1	5.7	6.7	6.9	5.6	6.3	5.7	5.5	3.8	7.7	6.4	5.0	6.0	5.9
COYOTE	6.2	6.6	5.6	5.3	5.4	6.4	6.4	5.9	6.4	5.4	5.4	3.2	8.3	6.6	5.1	5.9	5.9
WATCHDOG (PICK FA B-93)	6.1	6.7	6.0	5.5	5.3	6.5	6.4	5.5	5.9	5.3	5.7	3.2	8.1	6.7	5.9	5.6	5.9
MB 26	6.0	7.0	6.0	4.8	5.0	6.2	6.8	5.9	6.4	4.9	5.1	4.4	8.7	6.4	4.7	6.0	5.9
PST-523	6.0	6.8	5.8	5.4	5.8	6.3	6.8	6.0	6.3	4.8	5.0	3.6	7.8	6.7	5.3	5.8	5.9
REBEL SENTRY (AA-A91)	5.8	6.7	5.8	5.5	5.6	6.2	6.8	5.9	6.8	4.6	5.0	3.3	8.2	6.4	5.2	5.8	5.8
ARID 3 (J-98)	6.0	6.8	5.7	4.7	5.1	6.4	6.7	5.5	6.5	5.3	4.8	4.5	8.1	6.0	5.4	5.9	5.8
BAR FA6 US3	5.6	6.4	5.9	4.8	5.1	6.4	6.6	5.8	6.4	4.6	5.2	4.3	7.8	6.7	5.2	6.1	5.8
MB 213	6.6	6.7	5.6	5.2	4.7	6.0	6.9	5.9	6.4	5.4	4.5	4.1	7.8	6.1	4.9	6.1	5.8
OLYMPIC GOLD (PST-5E5)	6.1	6.9	6.0	5.1	5.5	6.1	6.5	5.6	6.2	4.9	4.7	4.3	7.9	6.5	4.7	5.8	5.8
GAZELLE	5.2	7.0	5.7	5.2	5.4	6.7	6.5	5.1	6.3	5.3	5.9	2.9	8.3	6.2	5.3	5.7	5.8
TAR HEEL	5.9	6.9	5.9	5.2	5.7	5.9	6.7	5.7	5.4	5.3	5.3	3.4	7.7	6.3	5.8	5.7	5.8
CORONADO	5.2	6.7	5.7	5.3	5.0	6.1	6.8	6.2	5.9	5.9	5.1	3.0	7.8	6.1	5.9	5.7	5.8
ZPS-5LZ	5.9	7.0	6.0	5.4	4.9	6.2	6.5	5.3	6.0	5.3	4.4	3.4	8.3	6.3	5.7	5.8	5.8
BAR FA 6D	5.7	6.7	6.0	5.0	4.8	6.5	6.6	5.5	6.2	4.9	4.9	3.9	7.8	6.3	5.6	5.9	5.8
BAR FA6 US2U	5.9	6.5	5.9	4.9	5.1	6.3	6.7	5.7	5.9	4.5	4.8	4.2	7.7	6.0	6.3	6.0	5.8
SUNPRO	5.8	6.7	5.8	4.6	5.0	6.3	6.5	5.5	6.4	5.4	4.8	3.6	7.9	6.2	5.8	6.0	5.8
BONSAI 2000 (BULLET)	5.2	6.8	5.8	5.5	5.7	6.1	6.8	5.3	6.0	5.0	5.5	3.7	7.7	6.4	5.2	5.5	5.8
SOUTHERN CHOICE	5.9	6.7	6.0	5.2	5.0	6.0	6.9	5.4	6.8	4.3	4.8	4.2	7.8	6.3	4.9	5.6	5.7
PST-5M5	6.1	6.4	6.1	5.3	5.4	6.3	6.9	6.0	6.4	4.5	4.6	2.4	7.5	6.7	5.6	5.7	5.7
MB 29	6.6	6.7	5.7	5.2	5.1	6.2	6.5	6.0	5.4	4.7	4.7	3.8	7.8	6.3	5.0	6.1	5.7
ATF-196	5.9	6.9	5.8	4.9	4.9	6.1	6.4	5.3	6.6	4.5	5.6	4.1	7.8	6.2	4.9	5.9	5.7
MB 211	6.3	6.8	5.7	4.3	5.1	6.0	6.9	6.0	6.4	4.7	4.6	3.5	8.1	6.5	5.3	5.7	5.7
CU9502T	5.4	6.9	5.3	5.0	5.3	6.3	6.7	5.5	6.7	4.6	4.6	4.2	8.0	6.2	5.3	5.7	5.7
EMPRESS	5.3	6.8	5.5	5.3	5.7	6.3	6.5	5.6	6.6	4.9	5.2	3.0	7.9	6.1	5.3	5.7	5.7
BRANDY (J-101)	5.8	6.7	5.7	5.4	4.9	6.1	6.7	5.5	6.1	5.2	4.7	4.2	7.9	6.3	4.9	5.6	5.7
WOLFPACK (PST-R5TK)	5.4	6.4	6.0	5.3	5.8	6.1	6.6	5.5	6.1	5.0	5.5	2.8	7.4	6.9	5.0	5.7	5.7
BAR FA6 US1	5.7	6.6	5.6	4.4	4.5	6.5	6.6	5.5	6.4	5.1	4.5	4.3	8.3	6.3	5.3	5.9	5.7
OFI-96-31	5.5	6.6	5.8	4.9	4.9	6.1	6.7	5.5	6.0	4.8	5.2	4.3	7.8	6.4	5.4	5.8	5.7
ANTHEM II (TMI-FMN)	5.3	7.1	5.9	5.3	5.1	5.8	6.6	5.5	5.7	5.0	4.8	3.7	7.4	6.3	6.2	5.6	5.7
MUSTANG II	6.2	6.6	5.6	5.1	5.7	6.1	6.9	5.4	5.9	4.3	5.0	4.1	7.5	6.7	4.9	5.4	5.7
OFI-931	5.6	6.6	5.6	5.1	5.0	6.4	6.6	5.2	6.2	4.4	5.1	3.9	7.9	6.3	5.4	5.8	5.7
SR 8210	5.8	6.7	5.8	5.2	5.0	6.5	6.7	5.3	5.7	4.6	5.1	3.8	8.0	6.1	5.4	5.5	5.7
MB 28	5.9	6.3	5.8	5.9	4.9	5.8	6.8	5.8	5.7	4.5	4.4	4.6	7.3	6.3	5.3	6.0	5.7
PICK FA XK-95	5.9	6.9	5.7	4.8	5.1	6.5	6.5	5.6	6.0	5.0	5.3	3.7	7.6	6.3	4.4	5.8	5.7
SRX 8500	5.4	6.8	5.8	4.8	5.0	6.3	6.8	5.7	6.8	4.3	5.0	3.7	7.4	6.5	5.2	5.8	5.7

TABLE 18. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IRRIGATED TO PREVENT STRESS  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																
	AR1	CA1	CA3	IA1	IL1	IN1	KS2	MO1	NE1	NJ1	NJ2	NY1	OH1	OK1	UT1	WA1	MEAN
BAR FA6D USA	5.1	6.4	5.8	4.9	5.2	6.5	6.8	5.5	6.3	5.3	4.6	2.9	7.8	6.6	5.4	5.9	5.7
AZTEC II (TMI-AZ)	4.7	6.8	5.7	5.5	5.4	6.0	6.7	5.5	5.8	5.0	5.3	4.1	8.0	6.1	4.6	5.6	5.7
ISI-TF11	5.9	6.5	5.4	5.8	5.9	5.8	6.6	5.3	5.7	4.5	5.0	3.8	7.5	6.3	5.2	5.6	5.7
MB 212	6.1	6.9	5.5	5.1	4.9	6.0	6.8	5.6	6.2	5.0	4.9	2.7	7.8	6.4	5.1	5.8	5.7
TULSA	5.9	6.8	5.8	5.6	5.2	5.9	6.6	5.8	5.9	3.8	4.9	2.8	8.2	6.3	5.5	5.7	5.7
OFI-951	5.6	6.5	6.0	4.7	4.8	6.4	6.5	5.5	6.1	4.4	5.0	3.8	7.8	6.2	5.4	5.9	5.7
GENESIS	5.6	6.6	5.5	5.3	5.2	6.0	6.8	5.8	5.4	4.8	4.2	4.4	7.3	6.4	5.3	5.7	5.6
BAR FA 6LV	5.3	6.7	6.0	4.9	4.7	6.4	6.7	5.1	6.3	4.7	4.6	3.7	8.0	6.0	5.4	5.7	5.6
MB 214	5.9	6.8	5.7	5.0	4.5	5.8	6.5	5.4	5.9	4.7	4.1	4.4	8.1	6.0	5.2	6.1	5.6
ATF-188	5.5	6.7	5.7	4.9	5.0	6.6	6.7	4.9	5.9	4.5	5.1	3.9	7.9	6.4	4.7	5.7	5.6
BULLDAWG (PICK GA-96)	5.5	6.6	5.4	4.3	5.3	6.2	6.5	5.4	5.9	5.4	4.9	4.4	7.5	6.2	4.9	5.7	5.6
CU9501T	5.5	6.6	5.8	5.6	4.9	6.0	6.4	5.5	6.1	4.5	4.8	3.6	8.0	6.4	5.0	5.6	5.6
MB 216	5.7	6.4	5.6	5.8	4.7	5.8	6.6	5.8	5.8	4.7	4.1	3.6	7.8	6.3	5.3	6.0	5.6
OFI-FWY	6.0	6.6	5.0	4.9	5.0	6.3	6.5	5.7	6.2	4.3	4.5	3.8	7.4	6.4	5.7	5.7	5.6
ALAMO E	6.0	6.6	5.7	5.2	5.3	6.0	6.5	5.3	5.5	4.8	5.2	3.2	7.9	6.3	4.7	5.8	5.6
CORONADO GOLD (PST-5RT)	6.2	6.4	6.0	4.8	5.3	6.0	6.7	5.6	5.1	5.5	5.1	2.9	7.7	6.4	4.7	5.7	5.6
REBEL 2000 (AA-989)	5.7	6.6	5.7	5.3	4.5	5.9	6.7	5.8	6.0	4.6	4.0	4.2	7.7	5.9	5.2	6.2	5.6
PICK FA 20-92	5.0	6.8	5.8	4.6	5.2	6.4	6.0	5.4	6.1	4.5	5.4	4.1	7.6	6.4	4.6	6.0	5.6
APACHE II	6.0	6.6	5.8	5.0	5.2	6.2	6.6	5.3	5.9	4.4	5.3	3.8	7.2	6.1	4.8	5.6	5.6
DUSTER	5.2	6.7	5.6	5.6	5.1	6.0	6.6	5.3	5.9	4.3	4.6	3.9	7.5	6.4	5.6	5.6	5.6
RED COAT (ATF-038)	6.4	6.6	5.9	5.2	4.5	6.2	6.4	5.7	6.6	3.2	4.2	4.3	7.8	6.4	4.8	5.6	5.6
BRAVO (RG-93)	5.4	6.7	5.8	5.1	5.1	6.2	6.8	5.6	4.9	4.5	5.0	4.4	7.6	6.0	4.8	5.9	5.6
SHORTSTOP II	5.0	6.6	5.8	5.1	4.9	6.2	6.4	5.6	6.2	5.1	4.4	4.2	7.6	6.0	5.1	5.7	5.6
PST-5TO	5.9	6.6	5.7	4.2	5.2	6.1	6.8	5.8	5.1	5.3	5.2	3.2	7.8	6.3	5.1	5.7	5.6
MB 210	5.6	6.5	5.9	4.7	5.0	5.9	7.0	5.7	5.9	4.1	4.3	3.9	7.7	6.2	6.1	5.4	5.6
ARID 2 (J-3)	5.4	6.5	5.7	4.3	5.1	5.8	6.5	5.4	6.3	4.9	4.6	4.2	7.8	5.7	5.6	5.7	5.6
PICK FA N-93	5.1	6.5	5.7	4.2	5.0	6.5	6.5	5.1	5.8	5.3	5.4	3.3	7.9	6.4	5.0	6.0	5.6
MB 215	5.9	6.3	5.7	5.1	4.6	5.9	6.5	6.0	6.2	4.5	4.0	3.3	7.9	6.3	5.4	6.0	5.6
PRO 8430	5.3	6.6	5.6	5.3	5.7	6.0	6.7	5.5	6.2	3.8	4.7	3.7	7.7	6.2	5.0	5.5	5.6
RESERVE (ATF-182)	6.0	6.4	5.8	4.5	5.0	6.0	6.6	5.3	5.9	4.2	4.9	4.3	7.8	6.4	4.9	5.7	5.6
ARABIA (J-5)	5.7	6.6	5.9	4.6	4.8	6.4	6.1	5.6	5.3	4.8	4.2	3.8	7.3	6.1	6.1	6.1	5.6
COCHISE II	6.2	6.7	5.5	4.9	5.0	6.1	6.4	5.6	5.8	3.9	4.8	4.3	8.0	6.4	4.1	5.7	5.6
PIXIE E+	5.3	6.6	5.1	5.9	4.9	6.0	6.6	5.7	6.0	3.9	4.5	3.9	7.6	6.4	5.0	5.9	5.6
ATF-257	6.4	6.8	4.9	4.8	5.8	5.7	6.7	5.5	6.6	3.9	5.1	3.5	7.5	6.1	4.7	5.3	5.6
WX3-275	5.2	6.6	5.5	5.4	5.2	5.9	6.4	5.3	5.9	5.0	4.4	4.5	7.4	6.1	4.7	5.5	5.6
TWILIGHT II (TMI-TW)	5.2	6.7	5.6	5.2	5.0	5.7	6.7	5.6	5.3	5.3	4.5	3.7	7.2	6.5	5.3	5.8	5.6
RENEGADE	5.4	6.6	5.7	6.3	5.1	5.8	6.6	5.5	5.9	3.6	4.1	4.4	7.7	6.4	4.4	5.5	5.6
FINELAWN PETITE	5.0	6.6	5.7	5.6	5.0	5.8	6.5	5.6	5.5	4.2	4.1	3.7	7.8	6.4	5.8	5.7	5.6
CHAPEL HILL (TA-7)	5.6	6.3	5.6	4.8	5.0	5.8	6.5	5.9	5.9	4.5	4.3	3.9	7.6	6.2	5.3	5.7	5.6
ISI-TF9	5.9	6.6	5.5	4.8	5.2	5.9	6.5	5.3	6.2	4.6	4.7	3.7	7.3	6.5	4.6	5.5	5.6
SHENANDOAH	5.7	6.3	5.2	5.6	5.6	5.9	6.8	5.3	5.9	4.2	4.4	4.4	7.4	6.2	4.8	5.1	5.5
EA 41	5.8	6.5	5.7	4.9	5.0	6.0	6.2	5.9	5.6	4.6	4.9	2.8	7.8	6.2	4.7	6.0	5.5
LION	6.5	6.4	5.9	5.0	5.3	5.7	6.5	5.6	5.7	4.5	4.4	2.7	7.8	6.4	4.6	5.6	5.5
BANDANA (PST-R5AE)	5.2	6.7	5.7	5.4	5.4	5.9	6.6	5.6	5.4	4.1	4.5	3.6	7.7	6.6	4.4	5.6	5.5
BAR FA6 US6F	5.3	6.5	5.5	5.3	5.1	6.0	6.4	5.8	5.6	4.2	4.6	2.3	7.8	6.4	5.8	5.8	5.5

TABLE 18. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IRRIGATED TO PREVENT STRESS  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																
	AR1	CA1	CA3	IA1	IL1	IN1	KS2	MO1	NE1	NJ1	NJ2	NY1	OH1	OK1	UT1	WA1	MEAN
ISI-TF10	5.9	6.5	5.9	4.5	4.9	5.9	6.4	5.7	5.1	4.5	4.1	3.9	7.4	6.5	5.3	5.8	5.5
R5AU	6.0	6.8	5.7	5.2	5.0	6.1	6.5	5.7	5.3	3.8	4.8	2.3	7.3	6.3	5.6	5.6	5.5
REGIMENT	5.1	6.6	5.5	5.8	5.4	6.1	6.4	5.5	5.7	4.2	4.4	3.7	7.6	6.1	4.4	5.5	5.5
PICK FA 15-92	5.7	6.9	5.7	4.7	4.6	6.1	6.4	5.3	5.9	5.3	4.4	3.6	7.2	5.6	4.8	5.9	5.5
MARKSMAN	5.3	6.5	5.2	5.6	5.3	5.7	6.8	5.4	6.2	3.7	4.5	3.3	7.8	6.3	4.8	5.5	5.5
SAFARI	5.3	6.8	5.3	5.4	5.8	5.6	6.6	5.3	5.5	4.1	4.4	4.2	7.8	6.3	4.3	5.1	5.5
PICK FA 6-91	5.7	6.5	5.2	4.4	4.9	6.0	6.5	5.7	6.4	4.4	4.3	2.3	7.5	6.3	5.1	6.0	5.5
ATF-253	5.7	6.7	5.4	5.1	5.7	5.7	6.5	5.6	5.5	4.6	4.8	2.6	7.3	6.4	4.1	5.7	5.5
TITAN 2	5.4	6.3	4.9	6.2	5.5	5.5	6.6	5.4	5.7	3.8	4.7	4.4	7.3	6.1	4.4	5.0	5.5
OFI-96-32	5.6	6.6	5.5	5.3	5.1	5.8	6.5	5.5	5.2	3.9	4.2	3.7	7.6	6.3	4.8	5.6	5.4
GOOD-EN (KOOS 96-14)	5.1	6.5	5.4	4.7	5.4	5.7	6.6	5.3	5.6	4.3	4.3	3.9	7.5	6.3	4.9	5.7	5.4
VELOCITY (AA-983)	5.9	6.3	5.7	3.9	4.8	6.0	6.5	5.5	6.6	3.8	4.0	3.3	7.8	6.3	4.9	5.9	5.4
FALCON II	4.9	6.6	5.5	5.1	5.1	5.8	6.7	5.4	5.9	3.9	4.1	3.7	7.3	6.1	5.2	5.6	5.4
ATF-022	5.8	6.4	5.2	5.0	4.9	5.7	6.5	5.4	5.8	3.5	4.6	3.9	7.5	6.2	4.8	5.5	5.4
TOMAHAWK-E	4.8	6.6	5.5	4.6	5.3	5.9	6.5	5.2	6.5	4.3	4.0	3.3	7.5	6.0	4.9	5.8	5.4
LEPRECHAUN	5.0	6.5	5.6	5.4	5.3	6.0	6.5	5.2	5.4	3.9	3.7	4.1	7.3	6.1	4.7	5.6	5.4
PICK FA UT-93	5.3	6.6	5.2	4.2	4.4	6.3	5.8	4.9	5.7	4.7	4.5	3.6	7.8	5.9	5.7	5.6	5.4
PSII-TF-10	5.1	6.4	5.1	5.3	5.1	5.7	6.5	5.5	6.0	4.0	3.9	3.8	7.3	6.3	4.4	5.6	5.4
SRX 8084	5.1	6.6	5.5	5.2	5.2	5.8	6.4	5.3	5.8	3.8	4.5	3.1	7.6	6.1	4.7	5.2	5.4
EC-101	5.0	6.6	5.7	4.5	4.9	5.8	6.5	5.4	5.8	3.9	4.0	3.2	7.7	6.2	4.8	5.5	5.3
PSII-TF-9	5.4	6.4	5.1	5.3	5.0	5.8	6.3	5.4	5.3	3.7	4.4	4.3	7.2	6.3	4.4	5.4	5.3
KITTY HAWK S.S.T. (SS45DW)	4.7	6.4	5.2	4.8	5.7	5.8	6.6	5.2	5.2	3.8	4.6	3.9	7.5	6.1	4.6	5.5	5.3
WVPB-1D	5.4	6.6	5.2	5.3	4.8	5.7	6.5	5.3	5.7	3.8	4.2	3.7	7.3	6.4	4.0	5.5	5.3
ATF-020	5.9	6.4	5.4	4.6	5.0	5.5	6.4	5.0	5.8	3.6	4.3	3.4	7.4	6.1	4.8	5.7	5.3
PEDESTAL (PC-AO)	5.0	6.5	5.2	4.9	4.8	5.9	6.7	5.1	5.9	3.8	4.5	3.7	7.4	6.0	4.2	5.5	5.3
WVPB-1B	5.3	6.4	5.2	5.0	5.1	5.8	6.4	5.2	5.2	4.2	4.0	3.4	7.4	6.1	4.9	5.4	5.3
WPEZE (WVPB-1C)	5.0	6.5	5.2	5.1	5.0	5.8	6.4	5.4	5.1	3.3	4.3	4.2	7.4	6.1	4.8	5.4	5.3
BONSAI	4.8	6.4	5.5	4.7	4.8	5.8	6.5	5.5	5.8	3.7	4.3	3.6	7.3	6.3	4.2	5.6	5.3
COMSTOCK (SSDE31)	5.7	6.3	5.4	4.6	5.1	5.6	6.5	5.4	5.4	4.0	4.0	2.6	7.4	6.2	4.6	5.6	5.3
DP 50-9011	5.3	6.9	5.3	4.3	4.6	6.0	6.1	5.1	5.6	3.6	3.7	4.1	7.6	6.0	4.9	5.3	5.3
EQUINOX (TMI-N91)	5.0	6.7	5.5	4.3	5.4	5.5	6.4	5.4	4.4	4.1	4.5	3.3	7.2	6.1	4.8	5.6	5.3
AXIOM (ATF-192)	5.3	6.4	5.5	4.9	4.9	5.5	6.5	5.3	4.9	3.5	4.3	3.4	6.7	6.0	5.3	5.4	5.2
JSC-1	4.8	6.3	4.9	5.2	5.0	5.5	6.4	5.0	5.7	3.4	3.5	3.6	7.3	5.8	4.4	5.4	5.1
JTTFC-96	5.3	6.3	5.0	5.1	4.9	5.6	6.4	5.5	5.2	3.3	4.0	3.3	6.8	6.4	3.9	4.7	5.1
JTTFA-96	5.0	6.1	4.7	5.1	5.0	5.7	5.9	4.9	4.6	2.9	4.4	3.7	7.3	6.2	4.5	4.7	5.0
ARID	4.7	5.8	4.7	6.1	4.6	5.1	5.9	5.3	5.4	2.8	2.8	3.2	7.0	6.0	4.3	4.6	4.9
DLF-1	5.1	5.9	4.5	4.9	4.6	5.3	6.5	5.0	5.2	2.8	3.2	2.3	7.1	6.1	4.3	4.9	4.9
DP 7952	4.4	5.6	4.4	5.3	4.6	5.2	6.4	5.0	4.4	2.5	3.2	4.1	7.2	5.6	4.3	4.5	4.8
AV-1	4.3	5.1	4.3	4.9	4.8	4.9	6.2	4.7	4.6	2.3	3.0	2.6	6.6	5.3	3.8	4.9	4.5
KENTUCKY-31 W/ENDO.	3.5	3.1	4.0	5.9	3.9	3.3	4.7	4.7	2.8	1.8	1.1	3.3	5.2	5.2	3.6	3.5	3.7
LSD VALUE	0.9	0.3	0.5	1.3	0.7	0.4	0.4	0.6	0.7	1.0	0.7	1.3	0.6	0.7	1.1	0.4	0.2
C.V. (%)	10.6	3.2	5.6	15.6	8.5	4.1	3.9	6.7	8.0	14.3	9.1	22.7	4.7	6.9	13.8	4.1	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 19.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IRRIGATED TO PREVENT DORMANCY 1/  
1998 DATA

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

NAME	IL2	MD1	MO3	VA4	MEAN	NAME	IL2	MD1	MO3	VA4	MEAN
REMBRANDT (LTP-4026 E+)	8.0	5.8	7.1	6.1	6.8	ZPS-5LZ	5.8	4.5	7.3	5.8	5.9
SCORPION (ZPS-2PTF)	7.8	5.2	6.9	6.1	6.5	CHAPEL HILL (TA-7)	6.3	4.9	6.3	5.9	5.8
PICK RT-95	7.6	4.6	7.3	6.4	6.5	TULSA	6.6	4.5	6.4	5.8	5.8
SHENANDOAH II (WRS2)	7.8	5.3	6.9	6.0	6.5	ISI-TF11	6.2	4.7	6.3	6.0	5.8
PLANTATION (PENNINGTON-1901)	7.2	5.4	7.3	5.8	6.4	REGIMENT	6.1	5.0	6.1	6.0	5.8
MASTERPIECE (LTP-SD-TF)	7.3	5.0	7.0	6.4	6.4	EMPRESS	6.2	5.0	6.2	5.8	5.8
REBEL SENTRY (AA-A91)	6.7	5.8	7.0	5.9	6.3	MB 29	5.7	4.7	6.7	6.0	5.8
PST-5M5	7.2	5.0	6.8	6.2	6.3	REBEL 2000 (AA-989)	5.6	5.2	6.5	5.9	5.8
MILLENNIUM (TMI-RBR)	7.3	5.1	6.6	6.1	6.3	DUSTER	6.2	4.9	6.4	5.7	5.8
JAGUAR 3	7.7	4.4	6.9	6.0	6.3	MB 215	5.6	4.6	7.2	5.7	5.8
PIXIE E+	6.9	5.5	6.5	6.0	6.2	MB 214	5.5	4.8	7.0	5.6	5.8
ARID 3 (J-98)	6.3	5.5	7.2	5.9	6.2	ISI-TF9	6.5	4.4	6.1	5.9	5.7
WATCHDOG (PICK FA B-93)	7.0	5.1	6.5	6.2	6.2	MB 28	5.7	4.6	6.7	5.9	5.7
ATF-196	7.5	4.8	6.8	5.6	6.2	BAR FA6 US3	5.9	4.1	6.9	6.0	5.7
WOLFPACK (PST-R5TK)	6.8	5.3	6.6	6.0	6.2	ATF-257	6.7	4.6	5.9	5.7	5.7
PST-523	7.3	4.9	6.3	6.1	6.1	PST-5TO	6.0	4.4	6.4	6.0	5.7
GAZELLE	6.8	5.2	6.5	6.0	6.1	ARID 2 (J-3)	6.1	4.6	6.5	5.7	5.7
COYOTE	6.8	4.9	6.6	6.2	6.1	MB 216	5.5	4.4	7.1	5.8	5.7
R5AU	7.3	4.4	6.8	5.8	6.1	ATF-253	7.0	3.8	6.3	5.6	5.7
RESERVE (ATF-182)	7.5	5.0	6.0	5.9	6.1	ATF-022	7.0	4.3	6.0	5.3	5.7
CU9501T	6.1	5.5	6.8	5.9	6.1	ANTHEM II (TMI-FMN)	6.4	4.1	6.1	6.1	5.7
CROSSFIRE II	7.6	4.0	6.6	6.0	6.0	PRO 8430	6.6	4.3	6.0	5.8	5.7
OFI-931	6.3	5.1	6.8	6.0	6.0	MB 213	5.9	4.2	7.1	5.5	5.7
OLYMPIC GOLD (PST-5E5)	6.4	4.8	6.7	6.1	6.0	BAR FA6 US2U	5.7	4.7	6.5	5.9	5.7
BRAVO (RG-93)	6.4	4.7	6.8	6.1	6.0	ATF-020	6.4	4.4	6.3	5.5	5.7
BONSAI 2000 (BULLET)	7.3	4.7	6.2	5.8	6.0	APACHE II	5.6	5.0	6.0	5.9	5.6
GENESIS	6.3	5.3	6.3	6.0	6.0	BAR FA 6LV	5.8	4.9	6.2	5.6	5.6
MB 212	7.2	4.0	6.7	6.1	6.0	AZTEC II (TMI-AZ)	6.0	3.8	6.5	6.1	5.6
BANDANA (PST-R5AE)	6.4	5.1	6.2	6.1	6.0	BAR FA6 US1	5.4	4.8	6.7	5.6	5.6
SOUTHERN CHOICE	6.7	5.0	6.3	5.9	6.0	SRX 8500	5.8	4.6	6.3	5.8	5.6
LION	6.3	4.8	6.8	6.0	6.0	ATF-188	6.4	4.3	6.0	5.7	5.6
MUSTANG II	7.4	4.3	6.2	6.0	6.0	RED COAT (ATF-038)	6.3	4.4	6.3	5.4	5.6
CU9502T	6.0	5.4	6.4	6.1	6.0	PICK FA 6-91	5.5	4.6	6.7	5.6	5.6
RENEGADE	6.1	5.4	6.3	6.0	5.9	EA 41	5.0	5.0	6.6	5.7	5.6
BAR FA6D USA	5.8	5.2	6.9	5.9	5.9	ALAMO E	5.9	4.6	6.2	5.6	5.6
BRANDY (J-101)	6.7	4.2	6.7	6.0	5.9	BAR FA6 US6F	5.2	4.6	6.5	6.0	5.6
MB 210	6.3	5.0	6.5	5.9	5.9	BULLDAWG (PICK GA-96)	5.3	4.6	6.3	6.0	5.6
TAR HEEL	7.0	4.3	6.4	5.9	5.9	BAR FA 6D	5.2	5.2	6.0	5.8	5.5
SAFARI	6.5	5.3	6.0	5.9	5.9	SHORTSTOP II	5.2	5.1	6.3	5.6	5.5
SHENANDOAH	6.5	5.6	5.8	5.7	5.9	FALCON II	5.1	5.3	5.8	5.9	5.5
MB 26	6.1	4.7	7.2	5.6	5.9	OFI-951	5.0	4.7	6.7	5.8	5.5
VELOCITY (AA-983)	6.2	4.6	7.0	5.7	5.9	GOOD-EN (KOOS 96-14)	5.8	4.6	6.0	5.7	5.5
TWILIGHT II (TMI-TW)	6.2	4.4	7.0	6.0	5.9	COCHISE II	5.6	4.7	6.2	5.5	5.5
MB 211	6.7	4.4	6.6	5.7	5.9	TITAN 2	5.6	5.3	5.6	5.5	5.5



TABLE 19. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IRRIGATED TO PREVENT DORMANCY  
1998 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IL2	MD1	MO3	VA4	MEAN
ARABIA (J-5)	5.4	4.0	6.7	5.9	5.5
OFI-96-32	6.0	4.1	6.2	5.6	5.5
CORONADO	5.8	3.8	6.5	5.7	5.5
FINELAWN PETITE	5.5	4.6	5.9	5.8	5.5
WPEZE (WVPB-1C)	5.5	4.8	5.9	5.7	5.5
PICK FA N-93	5.4	4.2	6.7	5.4	5.4
SRX 8084	5.5	4.4	6.0	5.9	5.4
SUNPRO	5.0	4.8	6.3	5.7	5.4
PICK FA 20-92	5.0	4.7	6.7	5.4	5.4
WVPB-1B	5.6	4.7	6.1	5.4	5.4
PSII-TF-9	5.6	4.7	6.0	5.4	5.4
OFI-96-31	4.8	4.2	6.7	5.8	5.4
PEDESTAL (PC-AO)	5.5	4.0	6.4	5.7	5.4
SR 8210	5.0	4.0	6.4	6.0	5.4
TOMAHAWK-E	5.6	4.1	6.1	5.6	5.4
WX3-275	5.8	3.9	6.0	5.7	5.3
WVPB-1D	5.2	4.3	6.2	5.6	5.3
PICK FA XK-95	5.5	3.7	6.4	5.7	5.3
CORONADO GOLD (PST-5RT)	5.2	3.7	6.4	6.0	5.3
LEPRECHAUN	4.8	5.1	5.8	5.5	5.3
OFL-FWY	5.2	4.4	5.8	5.8	5.3
EC-101	5.3	3.8	6.3	5.8	5.3
KITTY HAWK S.S.T. (SS45DW)	5.6	3.9	6.0	5.7	5.3
EQUINOX (TMI-N91)	5.1	4.6	5.7	5.7	5.3
PSII-TF-10	5.2	4.0	6.2	5.6	5.3
MARKSMAN	5.5	4.0	5.7	6.0	5.3
AXIOM (ATF-192)	5.5	4.1	5.7	5.6	5.2
JTTFC-96	5.3	4.4	5.6	5.4	5.2
COMSTOCK (SSDE31)	5.1	4.4	5.6	5.6	5.2
JTTFA-96	4.7	5.5	5.3	5.3	5.2
PICK FA 15-92	5.3	3.9	6.4	5.2	5.2
DP 50-9011	4.5	4.7	6.0	5.3	5.1
ISI-TF10	4.8	4.1	6.2	5.3	5.1
BONSAI	5.3	3.9	5.8	5.4	5.1
ARID	4.8	4.9	4.9	5.0	4.9
DP 7952	4.1	5.0	5.4	5.0	4.9
PICK FA UT-93	3.8	3.8	6.4	5.2	4.8
JSC-1	4.0	3.9	5.9	5.3	4.8
DLF-1	4.4	4.0	5.3	5.1	4.7
AV-1	3.2	3.9	5.1	5.0	4.3
KENTUCKY-31 W/ENDO.	2.6	3.6	3.5	4.0	3.4
LSD VALUE	1.5	1.1	0.6	0.5	0.5
C.V. (%)	15.3	15.4	5.4	5.8	11.0

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 20.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
NOT IRRIGATED OR ONLY DURING SEVERE STRESS 1/  
1998 DATA

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

NAME	KY1	MI1	SC2	VA1	MEAN	NAME	KY1	MI1	SC2	VA1	MEAN
REMBRANDT (LTP-4026 E+)	8.3	6.3	6.0	6.1	6.7	ANTHEM II (TMI-FMN)	7.5	6.4	5.4	5.0	6.1
PLANTATION (PENNINGTON-1901)	8.3	6.5	5.7	6.1	6.6	ARID 3 (J-98)	8.3	5.7	5.6	4.9	6.1
MB 29	8.2	6.3	5.8	5.8	6.5	ARID 2 (J-3)	7.3	6.3	5.6	5.2	6.1
OLYMPIC GOLD (PST-5E5)	8.1	6.5	5.2	6.1	6.5	OFI-931	7.6	5.7	5.3	5.7	6.1
GENESIS	7.7	.	5.4	6.3	6.5	ATF-188	7.4	6.3	5.3	5.3	6.1
MILLENNIUM (TMI-RBR)	8.3	6.3	5.4	5.8	6.5	REBEL SENTRY (AA-A91)	7.7	5.6	5.6	5.4	6.1
MB 212	8.0	6.5	5.7	5.6	6.5	APACHE II	7.5	5.6	5.6	5.6	6.1
CU9502T	8.0	6.3	5.4	6.0	6.4	MUSTANG II	7.4	6.1	5.9	4.9	6.1
CHAPEL HILL (TA-7)	7.8	6.4	5.3	6.1	6.4	SCORPION (ZPS-2PTF)	7.6	6.0	5.2	5.4	6.1
PST-5M5	7.8	6.3	5.1	6.2	6.4	BAR FA6D USA	7.7	5.8	5.3	5.4	6.1
MB 211	7.8	6.4	5.7	5.6	6.4	PST-5TO	7.5	6.1	5.2	5.4	6.1
SHENANDOAH II (WRS2)	7.7	6.0	5.4	6.3	6.4	MB 26	7.5	6.1	5.6	5.1	6.1
MB 216	7.5	6.4	5.8	5.6	6.3	VELOCITY (AA-983)	7.1	6.0	5.6	5.6	6.0
TAR HEEL	7.6	6.3	5.4	6.0	6.3	LION	7.3	6.2	5.3	5.4	6.0
RED COAT (ATF-038)	7.6	6.3	5.6	5.8	6.3	BANDANA (PST-R5AE)	7.1	6.2	5.2	5.7	6.0
WOLFPACK (PST-R5TK)	7.6	6.3	5.2	6.2	6.3	WPEZE (WVPB-1C)	6.9	5.9	5.3	6.0	6.0
COMSTOCK (SSDE31)	7.0	6.3	5.4	6.3	6.3	AZTEC II (TMI-AZ)	7.3	6.4	5.3	5.1	6.0
MB 215	7.3	6.2	5.6	6.1	6.3	ATF-022	7.1	5.8	5.4	5.7	6.0
CU9501T	8.0	5.7	5.8	5.6	6.3	PSII-TF-9	7.0	6.1	5.3	5.6	6.0
PIXIE E+	7.2	6.1	5.8	6.0	6.3	PSII-TF-10	7.3	5.8	5.2	5.8	6.0
R5AU	7.4	6.3	5.6	5.8	6.3	GOOD-EN (KOOS 96-14)	6.8	5.9	5.4	5.9	6.0
MASTERPIECE (LTP-SD-TF)	8.0	5.9	5.4	5.6	6.2	TWILIGHT II (TMI-TW)	7.1	6.2	5.2	5.5	6.0
PEDESTAL (PC-AO)	7.7	6.1	5.3	5.8	6.2	SRX 8084	7.3	6.2	5.0	5.6	6.0
RESERVE (ATF-182)	7.5	5.8	5.6	6.1	6.2	ALAMO E	7.0	6.3	5.6	5.1	6.0
MB 28	7.3	6.3	5.8	5.5	6.2	FALCON II	7.1	6.0	5.2	5.6	6.0
WATCHDOG (PICK FA B-93)	7.8	6.3	5.4	5.3	6.2	JSC-1	7.0	6.1	5.3	5.6	6.0
MB 214	7.6	5.8	5.6	5.8	6.2	BAR FA 6D	7.3	6.4	5.3	4.9	6.0
SAFARI	7.2	6.5	5.1	5.9	6.2	CROSSFIRE II	7.3	5.8	5.2	5.7	6.0
JAGUAR 3	7.7	5.9	5.2	5.9	6.2	OFI-96-32	6.7	5.9	5.4	5.9	6.0
ISI-TF10	7.7	6.3	5.2	5.5	6.2	BRAVO (RG-93)	7.3	5.8	5.2	5.7	6.0
RENEGADE	7.6	5.9	5.2	6.0	6.2	REGIMENT	6.5	6.0	5.6	5.8	6.0
ATF-257	7.6	6.0	5.4	5.6	6.2	BULLDAWG (PICK GA-96)	7.5	5.5	5.2	5.6	6.0
SHENANDOAH	7.3	6.2	5.3	5.9	6.2	ATF-020	7.4	5.8	5.4	5.2	6.0
MB 210	7.5	5.9	5.9	5.3	6.2	EMPRESS	7.6	5.6	5.2	5.4	6.0
COYOTE	7.4	5.8	5.3	6.1	6.2	GAZELLE	7.6	5.6	5.2	5.4	6.0
ISI-TF9	7.7	6.1	5.3	5.5	6.2	BAR FA6 US2U	7.5	5.8	5.3	5.3	6.0
EC-101	7.3	6.4	5.3	5.5	6.1	MARKSMAN	6.8	6.1	5.6	5.3	6.0
MB 213	7.5	6.0	5.6	5.5	6.1	SRX 8500	7.7	5.9	5.2	5.0	6.0
PICK RT-95	7.7	6.1	5.2	5.6	6.1	TULSA	6.9	6.1	5.6	5.2	5.9
REBEL 2000 (AA-989)	7.2	5.6	5.7	6.0	6.1	WX3-275	7.3	5.8	5.2	5.4	5.9
SOUTHERN CHOICE	7.3	6.4	5.1	5.7	6.1	WVPB-1D	6.7	6.1	5.2	5.8	5.9
PST-523	7.6	6.0	5.3	5.5	6.1	ATF-253	7.2	5.7	5.3	5.6	5.9
BRANDY (J-101)	7.4	6.3	5.6	5.3	6.1	CORONADO GOLD (PST-5RT)	7.0	5.9	5.2	5.7	5.9
ISI-TF11	7.3	5.8	5.3	5.9	6.1	BONSAI 2000 (BULLET)	7.7	5.6	5.4	5.0	5.9

TABLE 20. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) NOT IRRIGATED OR ONLY DURING SEVERE STRESS  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF					
NAME	KY1	MI1	SC2	VA1	MEAN
ZPS-5LZ	7.5	5.4	5.2	5.5	5.9
KITTY HAWK S.S.T. (SS45DW)	6.8	5.9	5.4	5.6	5.9
WVPB-1B	6.9	5.9	5.1	5.8	5.9
BAR FA6 US3	7.8	5.5	5.3	5.0	5.9
AXIOM (ATF-192)	6.8	5.9	5.6	5.4	5.9
BAR FA 6LV	7.6	5.7	5.2	5.1	5.9
BONSAI	6.6	6.3	5.3	5.3	5.9
TITAN 2	6.5	6.0	5.4	5.7	5.9
OFI-96-31	6.9	5.9	5.3	5.5	5.9
TOMAHAWK-E	6.8	6.1	5.2	5.5	5.9
OFI-FWY	7.2	5.6	5.1	5.6	5.9
JTFC-96	6.9	6.4	5.0	5.3	5.9
EA 41	7.2	6.0	5.0	5.4	5.9
DUSTER	7.1	5.8	5.1	5.5	5.9
ARID	6.5	6.3	5.4	5.2	5.9
SR 8210	7.0	6.2	5.0	5.2	5.9
BAR FA6 US6F	7.0	5.8	5.1	5.5	5.9
ARABIA (J-5)	7.5	5.5	5.4	4.9	5.9
PRO 8430	7.0	5.7	5.1	5.6	5.9
PICK FA XK-95	7.3	5.3	5.2	5.5	5.8
CORONADO	7.0	5.5	5.4	5.4	5.8
EQUINOX (TMI-N91)	6.5	6.1	5.4	5.3	5.8
OFI-951	7.4	6.0	5.2	4.7	5.8
FINELAWN PETITE	7.0	5.3	5.3	5.6	5.8
SUNPRO	7.1	5.6	5.3	5.2	5.8
DLF-1	6.0	6.2	5.6	5.4	5.8
LEPRECHAUN	6.9	5.7	5.1	5.4	5.8
PICK FA 15-92	7.1	5.6	5.6	4.7	5.7
DP 50-9011	6.7	6.2	5.3	4.7	5.7
ATF-196	6.9	5.2	5.4	5.3	5.7
AV-1	5.7	6.2	5.4	5.4	5.7
PICK FA 20-92	7.6	5.1	5.1	4.9	5.7
BAR FA6 US1	7.3	5.6	5.3	4.3	5.6
DP 7952	6.3	6.1	5.3	4.7	5.6
COCHISE II	6.5	5.4	5.2	5.2	5.6
JTFA-96	6.1	6.1	5.0	5.0	5.6
PICK FA 6-91	6.8	5.2	5.6	4.6	5.5
SHORTSTOP II	6.7	4.9	5.6	4.6	5.4
PICK FA N-93	7.0	4.9	5.2	4.2	5.3
PICK FA UT-93	6.9	4.3	5.2	4.0	5.1
KENTUCKY-31 W/ENDO.	3.7	6.6	4.7	4.0	4.7
LSD VALUE	0.6	0.8	1.2	0.8	0.4
C.V. (%)	5.2	8.4	13.5	8.7	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 21. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN DIFFERENT CLIMATIC ZONES 1/  
1998 DATA

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

NAME	TRANSITION			MEAN
	ZONE	COOL-HUMID	COOL-ARID	
REMBRANDT (LTP-4026 E+)	6.7	6.1	6.1	6.4
PLANTATION (PENNINGTON-1901)	6.5	6.2	6.3	6.3
MILLENNIUM (TMI-RBR)	6.3	6.2	5.9	6.2
SHENANDOAH II (WRS2)	6.4	5.9	6.1	6.2
PICK RT-95	6.3	5.9	6.1	6.1
SCORPION (ZPS-2PTF)	6.2	5.9	6.1	6.1
MASTERPIECE (LTP-SD-TF)	6.3	5.8	5.9	6.1
JAGUAR 3	6.3	5.7	5.9	6.0
CROSSFIRE II	6.1	6.0	5.8	6.0
WATCHDOG (PICK FA B-93)	6.1	5.9	6.0	6.0
OLYMPIC GOLD (PST-5E5)	6.2	5.8	5.8	6.0
COYOTE	6.1	5.9	5.8	6.0
PST-523	6.2	5.7	5.9	5.9
REBEL SENTRY (AA-A91)	6.2	5.7	5.9	5.9
PST-5M5	6.2	5.5	6.0	5.9
ARID 3 (J-98)	6.1	5.7	5.9	5.9
CU9502T	6.1	5.7	5.8	5.9
MB 29	6.1	5.6	5.9	5.9
MB 26	5.9	5.8	5.9	5.9
MB 211	6.1	5.5	5.9	5.9
WOLFPACK (PST-R5TK)	6.1	5.5	5.8	5.9
TAR HEEL	6.0	5.6	6.1	5.9
SOUTHERN CHOICE	6.0	5.7	5.8	5.9
MB 212	6.1	5.6	5.8	5.9
MB 213	6.0	5.7	5.8	5.9
MUSTANG II	6.1	5.6	5.6	5.9
GAZELLE	5.8	5.7	5.9	5.8
ZPS-5LZ	5.9	5.5	6.1	5.8
OPI-931	5.9	5.6	5.9	5.8
CU9501T	6.0	5.5	5.7	5.8
GENESIS	6.1	5.4	5.7	5.8
BAR FA6D USA	6.0	5.6	5.9	5.8
PIXIE E+	6.1	5.5	5.7	5.8
BONSAI 2000 (BULLET)	5.9	5.6	5.8	5.8
BRANDY (J-101)	5.9	5.7	5.7	5.8
BAR FA 6D	5.8	5.6	6.0	5.8
MB 28	5.9	5.5	5.8	5.8
RESERVE (ATF-182)	6.1	5.4	5.7	5.8
RENEGADE	6.1	5.5	5.5	5.8
MB 215	6.0	5.4	5.8	5.8
EMPRESS	5.9	5.6	5.8	5.8
BAR FA6 US3	5.8	5.6	5.9	5.8
BRAVO (RG-93)	6.0	5.4	5.8	5.8
MB 216	5.9	5.5	5.9	5.8
R5AU	6.1	5.2	5.9	5.8

TABLE 21. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN DIFFERENT CLIMATIC ZONES  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	TRANSITION			MEAN
	ZONE	COOL-HUMID	COOL-ARID	
BAR FA6 US2U	5.8	5.5	6.2	5.8
MB 210	6.0	5.4	6.0	5.7
ISI-TF11	5.9	5.5	5.7	5.7
SHENANDOAH	6.0	5.5	5.3	5.7
TULSA	6.0	5.4	6.0	5.7
REBEL 2000 (AA-989)	5.9	5.4	5.9	5.7
RED COAT (ATF-038)	6.0	5.4	5.7	5.7
CHAPEL HILL (TA-7)	6.0	5.4	5.7	5.7
SAFARI	6.0	5.5	5.4	5.7
MB 214	5.9	5.4	5.9	5.7
ARID 2 (J-3)	5.8	5.5	5.9	5.7
ATF-196	5.9	5.4	5.9	5.7
BAR FA 6LV	5.8	5.5	5.9	5.7
CORONADO	5.8	5.5	6.0	5.7
SUNPRO	5.7	5.6	6.1	5.7
ANTHEM II (TMI-FMN)	5.7	5.5	6.2	5.7
APACHE II	5.9	5.5	5.7	5.7
AZTEC II (TMI-AZ)	5.7	5.7	5.7	5.7
ATF-257	5.9	5.5	5.4	5.7
ATF-188	5.8	5.6	5.7	5.7
BAR FA6 US1	5.7	5.6	5.8	5.7
ISI-TF9	5.9	5.5	5.6	5.7
OFI-96-31	5.7	5.6	5.9	5.7
SRX 8500	5.7	5.5	5.9	5.7
DUSTER	5.8	5.4	5.9	5.7
BULLDAWG (PICK GA-96)	5.7	5.6	5.6	5.7
PST-5TO	5.9	5.3	5.8	5.7
TWILIGHT II (TMI-TW)	5.9	5.3	5.8	5.7
CORONADO GOLD (PST-5RT)	5.8	5.4	5.7	5.7
BANDANA (PST-R5AE)	5.9	5.3	5.6	5.6
PRO 8430	5.8	5.5	5.7	5.6
REGIMENT	5.8	5.5	5.5	5.6
VELOCITY (AA-983)	5.9	5.2	5.7	5.6
ALAMO E	5.7	5.5	5.7	5.6
SR 8210	5.6	5.5	5.9	5.6
LION	5.8	5.3	5.6	5.6
WX3-275	5.6	5.6	5.6	5.6
OFI-951	5.7	5.4	5.9	5.6
ATF-253	5.9	5.3	5.5	5.6
PICK FA XK-95	5.7	5.4	5.7	5.6
BAR FA6 US6F	5.7	5.2	5.9	5.6
OFI-FWY	5.7	5.4	5.7	5.6
MARKSMAN	5.7	5.4	5.5	5.6
ARABIA (J-5)	5.6	5.2	6.2	5.6
FINELAWN PETITE	5.7	5.3	6.0	5.6

TABLE 21. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN DIFFERENT CLIMATIC ZONES  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	TRANSITION			MEAN
	ZONE	COOL-HUMID	COOL-ARID	
PICK FA 20-92	5.5	5.5	5.8	5.6
ATF-022	5.8	5.3	5.5	5.6
FALCON II	5.7	5.3	5.7	5.6
ISI-TF10	5.7	5.2	5.9	5.6
TITAN 2	5.7	5.5	5.2	5.5
TOMAHAWK-E	5.6	5.4	5.7	5.5
OFI-96-32	5.8	5.2	5.6	5.5
EA 41	5.6	5.3	5.7	5.5
COCHISE II	5.7	5.3	5.5	5.5
GOOD-EN (KOOS 96-14)	5.6	5.3	5.6	5.5
SRX 8084	5.7	5.2	5.5	5.5
ATF-020	5.7	5.1	5.6	5.5
PSII-TF-9	5.7	5.2	5.3	5.5
PICK FA 6-91	5.7	5.1	5.7	5.5
PICK FA 15-92	5.5	5.2	5.8	5.5
PEDESTAL (PC-AO)	5.7	5.2	5.4	5.5
EC-101	5.6	5.2	5.7	5.5
LEPRECHAUN	5.6	5.3	5.6	5.5
COMSTOCK (SSDE31)	5.7	5.1	5.4	5.5
WVPB-1D	5.7	5.1	5.3	5.4
WVPB-1B	5.6	5.2	5.5	5.4
PICK FA N-93	5.4	5.4	5.8	5.4
SHORTSTOP II	5.4	5.3	5.8	5.4
KITTY HAWK S.S.T. (SS45DW)	5.6	5.3	5.4	5.4
WPEZE (WVPB-1C)	5.6	5.1	5.5	5.4
PSII-TF-10	5.6	5.2	5.4	5.4
EQUINOX (TMI-N91)	5.6	5.0	5.6	5.4
AXIOM (ATF-192)	5.6	4.9	5.7	5.4
DP 50-9011	5.4	5.1	5.6	5.3
JTTFC-96	5.6	5.0	5.0	5.3
BONSAI	5.3	5.1	5.4	5.3
JSC-1	5.3	5.0	5.2	5.2
JTTFA-96	5.4	5.0	5.0	5.2
PICK FA UT-93	5.1	5.0	5.8	5.1
DLF-1	5.3	4.6	4.9	5.0
ARID	5.2	4.7	4.8	5.0
DP 7952	5.0	4.8	4.7	4.9
AV-1	4.9	4.5	4.5	4.7
KENTUCKY-31 W/ENDO.	4.1	3.7	3.6	3.9
LSD VALUE	0.3	0.3	0.3	0.2
C.V. (%)	10.0	10.6	7.2	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 22.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
AT THIRTEEN LOCATIONS IN THE TRANSITION ZONE 1/  
1998 DATA

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

NAME	AR1	DE1	GA1	IL2	KS2	KY1	MD1	MO1	MO3	OK1	SC2	VA1	VA4	MEAN
REMBRANDT (LTP-4026 E+)	6.5	6.1	6.4	8.0	7.0	8.3	5.8	6.3	7.1	6.9	6.0	6.1	6.1	6.7
PLANTATION (PENNINGTON-1901)	6.2	5.2	6.6	7.2	6.9	8.3	5.4	6.4	7.3	6.9	5.7	6.1	5.8	6.5
SHENANDOAH II (WRS2)	6.4	6.7	6.0	7.8	6.6	7.7	5.3	6.0	6.9	6.6	5.4	6.3	6.0	6.4
MASTERPIECE (LTP-SD-TF)	6.1	5.5	7.0	7.3	6.9	8.0	5.0	5.6	7.0	6.4	5.4	5.6	6.4	6.3
MILLENNIUM (TMI-RBR)	6.0	5.9	6.3	7.3	6.6	8.3	5.1	5.8	6.6	6.7	5.4	5.8	6.1	6.3
PICK RT-95	6.0	6.2	6.3	7.6	6.4	7.7	4.6	5.8	7.3	6.3	5.2	5.6	6.4	6.3
JAGUAR 3	6.9	5.1	6.4	7.7	6.7	7.7	4.4	5.8	6.9	6.6	5.2	5.9	6.0	6.3
PST-5M5	6.1	5.3	5.8	7.2	6.9	7.8	5.0	6.0	6.8	6.7	5.1	6.2	6.2	6.2
OLYMPIC GOLD (PST-5E5)	6.1	6.1	6.5	6.4	6.5	8.1	4.8	5.6	6.7	6.5	5.2	6.1	6.1	6.2
SCORPION (ZPS-2PTF)	6.1	4.8	6.1	7.8	6.8	7.6	5.2	6.4	6.9	6.3	5.2	5.4	6.1	6.2
REBEL SENTRY (AA-A91)	5.8	5.4	5.9	6.7	6.8	7.7	5.8	5.9	7.0	6.4	5.6	5.4	5.9	6.2
PST-523	6.0	5.6	6.1	7.3	6.8	7.6	4.9	6.0	6.3	6.7	5.3	5.5	6.1	6.2
WOLFPACK (PST-R5TK)	5.4	5.1	6.7	6.8	6.6	7.6	5.3	5.5	6.6	6.9	5.2	6.2	6.0	6.1
MB 211	6.3	5.9	5.6	6.7	6.9	7.8	4.4	6.0	6.6	6.5	5.7	5.6	5.7	6.1
MB 29	6.6	5.7	5.7	5.7	6.5	8.2	4.7	6.0	6.7	6.3	5.8	5.8	6.0	6.1
MUSTANG II	6.2	6.1	6.3	7.4	6.9	7.4	4.3	5.4	6.2	6.7	5.9	4.9	6.0	6.1
COYOTE	6.2	5.3	5.7	6.8	6.4	7.4	4.9	5.9	6.6	6.6	5.3	6.1	6.2	6.1
CROSSFIRE II	5.7	5.8	6.3	7.6	6.8	7.3	4.0	5.9	6.6	6.6	5.2	5.7	6.0	6.1
R5AU	6.0	5.7	6.1	7.3	6.5	7.4	4.4	5.7	6.8	6.3	5.6	5.8	5.8	6.1
GENESIS	5.6	5.8	5.6	6.3	6.8	7.7	5.3	5.8	6.3	6.4	5.4	6.3	6.0	6.1
MB 212	6.1	5.3	5.8	7.2	6.8	8.0	4.0	5.6	6.7	6.4	5.7	5.6	6.1	6.1
RESERVE (ATF-182)	6.0	4.8	6.5	7.5	6.6	7.5	5.0	5.3	6.0	6.4	5.6	6.1	5.9	6.1
PIXIE E+	5.3	5.7	5.6	6.9	6.6	7.2	5.5	5.7	6.5	6.4	5.8	6.0	6.0	6.1
ARID 3 (J-98)	6.0	5.9	5.5	6.3	6.7	8.3	5.5	5.5	7.2	6.0	5.6	4.9	5.9	6.1
CU9502T	5.4	6.2	5.8	6.0	6.7	8.0	5.4	5.5	6.4	6.2	5.4	6.0	6.1	6.1
WATCHDOG (PICK FA B-93)	6.1	5.4	5.5	7.0	6.4	7.8	5.1	5.5	6.5	6.7	5.4	5.3	6.2	6.1
RENEGADE	5.4	6.6	5.8	6.1	6.6	7.6	5.4	5.5	6.3	6.4	5.2	6.0	6.0	6.1
CU9501T	5.5	5.3	5.7	6.1	6.4	8.0	5.5	5.5	6.8	6.4	5.8	5.6	5.9	6.0
SHENANDOAH	5.7	6.6	5.8	6.5	6.8	7.3	5.6	5.3	5.8	6.2	5.3	5.9	5.7	6.0
MB 215	5.9	6.2	5.3	5.6	6.5	7.3	4.6	6.0	7.2	6.3	5.6	6.1	5.7	6.0
MB 213	6.6	6.1	5.2	5.9	6.9	7.5	4.2	5.9	7.1	6.1	5.6	5.5	5.5	6.0
TAR HEEL	5.9	4.9	6.0	7.0	6.7	7.6	4.3	5.7	6.4	6.3	5.4	6.0	5.9	6.0
RED COAT (ATF-038)	6.4	6.6	5.1	6.3	6.4	7.6	4.4	5.7	6.3	6.4	5.6	5.8	5.4	6.0
SOUTHERN CHOICE	5.9	5.8	5.8	6.7	6.9	7.3	5.0	5.4	6.3	6.3	5.1	5.7	5.9	6.0
BRAVO (RG-93)	5.4	6.1	5.8	6.4	6.8	7.3	4.7	5.6	6.8	6.0	5.2	5.7	6.1	6.0
SAFARI	5.3	6.6	5.9	6.5	6.6	7.2	5.3	5.3	6.0	6.3	5.1	5.9	5.9	6.0
BAR FA6D USA	5.1	5.7	5.8	5.8	6.8	7.7	5.2	5.5	6.9	6.6	5.3	5.4	5.9	6.0
CHAPEL HILL (TA-7)	5.6	5.2	5.6	6.3	6.5	7.8	4.9	5.9	6.3	6.2	5.3	6.1	5.9	6.0
TULSA	5.9	5.7	6.2	6.6	6.6	6.9	4.5	5.8	6.4	6.3	5.6	5.2	5.8	6.0
MB 210	5.6	5.3	5.3	6.3	7.0	7.5	5.0	5.7	6.5	6.2	5.9	5.3	5.9	6.0
MB 28	5.9	5.3	5.8	5.7	6.8	7.3	4.6	5.8	6.7	6.3	5.8	5.5	5.9	5.9
ATF-257	6.4	5.3	5.7	6.7	6.7	7.6	4.6	5.5	5.9	6.1	5.4	5.6	5.7	5.9
OFI-931	5.6	5.3	5.4	6.3	6.6	7.6	5.1	5.2	6.8	6.3	5.3	5.7	6.0	5.9
MB 26	6.0	5.9	4.3	6.1	6.8	7.5	4.7	5.9	7.2	6.4	5.6	5.1	5.6	5.9

TABLE 22. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
AT THIRTEEN LOCATIONS IN THE TRANSITION ZONE  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF													MEAN
	AR1	DE1	GA1	IL2	KS2	KY1	MD1	MO1	MO3	OK1	SC2	VA1	VA4	
ZPS-5LZ	5.9	6.3	5.0	5.8	6.5	7.5	4.5	5.3	7.3	6.3	5.2	5.5	5.8	5.9
BANDANA (PST-R5AE)	5.2	5.4	5.6	6.4	6.6	7.1	5.1	5.6	6.2	6.6	5.2	5.7	6.1	5.9
ISI-TF11	5.9	5.1	5.7	6.2	6.6	7.3	4.7	5.3	6.3	6.3	5.3	5.9	6.0	5.9
VELOCITY (AA-983)	5.9	5.2	5.7	6.2	6.5	7.1	4.6	5.5	7.0	6.3	5.6	5.6	5.7	5.9
MB 216	5.7	5.1	5.5	5.5	6.6	7.5	4.4	5.8	7.1	6.3	5.8	5.6	5.8	5.9
BONSAI 2000 (BULLET)	5.2	5.4	5.5	7.3	6.8	7.7	4.7	5.3	6.2	6.4	5.4	5.0	5.8	5.9
REBEL 2000 (AA-989)	5.7	4.9	5.7	5.6	6.7	7.2	5.2	5.8	6.5	5.9	5.7	6.0	5.9	5.9
ISI-TF9	5.9	5.7	5.4	6.5	6.5	7.7	4.4	5.3	6.1	6.5	5.3	5.5	5.9	5.9
EMPRESS	5.3	5.8	5.8	6.2	6.5	7.6	5.0	5.6	6.2	6.1	5.2	5.4	5.8	5.9
PST-5TO	5.9	4.8	6.2	6.0	6.8	7.5	4.4	5.8	6.4	6.3	5.2	5.4	6.0	5.9
ATF-196	5.9	4.4	5.9	7.5	6.4	6.9	4.8	5.3	6.8	6.2	5.4	5.3	5.6	5.9
APACHE II	6.0	5.6	5.7	5.6	6.6	7.5	5.0	5.3	6.0	6.1	5.6	5.6	5.9	5.9
TWILIGHT II (TMI-TW)	5.2	5.6	5.5	6.2	6.7	7.1	4.4	5.6	7.0	6.5	5.2	5.5	6.0	5.9
ATF-253	5.7	5.6	5.7	7.0	6.5	7.2	3.8	5.6	6.3	6.4	5.3	5.6	5.6	5.9
MB 214	5.9	5.4	5.0	5.5	6.5	7.6	4.8	5.4	7.0	6.0	5.6	5.8	5.6	5.9
BRANDY (J-101)	5.8	5.0	5.2	6.7	6.7	7.4	4.2	5.5	6.7	6.3	5.6	5.3	6.0	5.9
GAZELLE	5.2	5.0	5.2	6.8	6.5	7.6	5.2	5.1	6.5	6.2	5.2	5.4	6.0	5.8
BAR FA6 US3	5.6	5.3	5.0	5.9	6.6	7.8	4.1	5.8	6.9	6.7	5.3	5.0	6.0	5.8
ARID 2 (J-3)	5.4	6.6	5.4	6.1	6.5	7.3	4.6	5.4	6.5	5.7	5.6	5.2	5.7	5.8
LION	6.5	4.5	4.4	6.3	6.5	7.3	4.8	5.6	6.8	6.4	5.3	5.4	6.0	5.8
CORONADO GOLD (PST-5RT)	6.2	5.2	6.6	5.2	6.7	7.0	3.7	5.6	6.4	6.4	5.2	5.7	6.0	5.8
BAR FA 6D	5.7	6.3	5.4	5.2	6.6	7.3	5.2	5.5	6.0	6.3	5.3	4.9	5.8	5.8
REGIMENT	5.1	6.1	5.2	6.1	6.4	6.5	5.0	5.5	6.1	6.1	5.6	5.8	6.0	5.8
ATF-022	5.8	4.8	5.7	7.0	6.5	7.1	4.3	5.4	6.0	6.2	5.4	5.7	5.3	5.8
BAR FA6 US2U	5.9	5.6	4.9	5.7	6.7	7.5	4.7	5.7	6.5	6.0	5.3	5.3	5.9	5.8
BAR FA 6LV	5.3	6.1	5.6	5.8	6.7	7.6	4.9	5.1	6.2	6.0	5.2	5.1	5.6	5.8
ATF-188	5.5	5.8	5.4	6.4	6.7	7.4	4.3	4.9	6.0	6.4	5.3	5.3	5.7	5.8
OFI-96-32	5.6	5.3	5.9	6.0	6.5	6.7	4.1	5.5	6.2	6.3	5.4	5.9	5.6	5.8
DUSTER	5.2	5.2	5.3	6.2	6.6	7.1	4.9	5.3	6.4	6.4	5.1	5.5	5.7	5.8
CORONADO	5.2	4.9	6.0	5.8	6.8	7.0	3.8	6.2	6.5	6.1	5.4	5.4	5.7	5.8
PRO 8430	5.3	5.2	5.6	6.6	6.7	7.0	4.3	5.5	6.0	6.2	5.1	5.6	5.8	5.8
PSII-TF-9	5.4	6.0	5.6	5.6	6.3	7.0	4.7	5.4	6.0	6.3	5.3	5.6	5.4	5.7
BULLDAWG (PICK GA-96)	5.5	5.2	5.2	5.3	6.5	7.5	4.6	5.4	6.3	6.2	5.2	5.6	6.0	5.7
ANTHEM II (TMI-FMN)	5.3	4.7	5.5	6.4	6.6	7.5	4.1	5.5	6.1	6.3	5.4	5.0	6.1	5.7
BAR FA6 US6F	5.3	5.7	5.2	5.2	6.4	7.0	4.6	5.8	6.5	6.4	5.1	5.5	6.0	5.7
SRX 8500	5.4	5.1	4.5	5.8	6.8	7.7	4.6	5.7	6.3	6.5	5.2	5.0	5.8	5.7
TITAN 2	5.4	5.7	5.5	5.6	6.6	6.5	5.3	5.4	5.6	6.1	5.4	5.7	5.5	5.7
WVPB-1D	5.4	6.0	5.8	5.2	6.5	6.7	4.3	5.3	6.2	6.4	5.2	5.8	5.6	5.7
ALAMO E	6.0	5.0	5.3	5.9	6.5	7.0	4.6	5.3	6.2	6.3	5.6	5.1	5.6	5.7
ATF-020	5.9	5.1	5.1	6.4	6.4	7.4	4.4	5.0	6.3	6.1	5.4	5.2	5.5	5.7
BAR FA6 US1	5.7	5.7	5.1	5.4	6.6	7.3	4.8	5.5	6.7	6.3	5.3	4.3	5.6	5.7
COMSTOCK (SSDE31)	5.7	5.7	5.2	5.1	6.5	7.0	4.4	5.4	5.6	6.2	5.4	6.3	5.6	5.7
OFI-96-31	5.5	5.9	5.1	4.8	6.7	6.9	4.2	5.5	6.7	6.4	5.3	5.5	5.8	5.7
AZTEC II (TMI-AZ)	4.7	5.7	5.3	6.0	6.7	7.3	3.8	5.5	6.5	6.1	5.3	5.1	6.1	5.7
FALCON II	4.9	5.1	5.8	5.1	6.7	7.1	5.3	5.4	5.8	6.1	5.2	5.6	5.9	5.7



TABLE 22. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
AT THIRTEEN LOCATIONS IN THE TRANSITION ZONE  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF													MEAN
	AR1	DE1	GA1	IL2	KS2	KY1	MD1	MO1	MO3	OK1	SC2	VA1	VA4	
SRX 8084	5.1	6.3	5.3	5.5	6.4	7.3	4.4	5.3	6.0	6.1	5.0	5.6	5.9	5.7
SUNPRO	5.8	6.3	4.4	5.0	6.5	7.1	4.8	5.5	6.3	6.2	5.3	5.2	5.7	5.7
MARKSMAN	5.3	6.0	5.6	5.5	6.8	6.8	4.0	5.4	5.7	6.3	5.6	5.3	6.0	5.7
ISI-TF10	5.9	5.6	5.0	4.8	6.4	7.7	4.1	5.7	6.2	6.5	5.2	5.5	5.3	5.7
OFI-FWY	6.0	5.2	4.9	5.2	6.5	7.2	4.4	5.7	5.8	6.4	5.1	5.6	5.8	5.7
PICK FA XK-95	5.9	5.1	5.0	5.5	6.5	7.3	3.7	5.6	6.4	6.3	5.2	5.5	5.7	5.7
PICK FA 6-91	5.7	5.0	5.3	5.5	6.5	6.8	4.6	5.7	6.7	6.3	5.6	4.6	5.6	5.7
FINELAWN PETITE	5.0	4.8	5.7	5.5	6.5	7.0	4.6	5.6	5.9	6.4	5.3	5.6	5.8	5.7
COCHISE II	6.2	5.1	5.0	5.6	6.4	6.5	4.7	5.6	6.2	6.4	5.2	5.2	5.5	5.7
PEDESTAL (PC-AO)	5.0	5.2	5.1	5.5	6.7	7.7	4.0	5.1	6.4	6.0	5.3	5.8	5.7	5.7
OFI-951	5.6	5.4	4.7	5.0	6.5	7.4	4.7	5.5	6.7	6.2	5.2	4.7	5.8	5.7
WVPB-1B	5.3	5.3	5.5	5.6	6.4	6.9	4.7	5.2	6.1	6.1	5.1	5.8	5.4	5.6
WPEZE (WVPB-1C)	5.0	5.1	5.4	5.5	6.4	6.9	4.8	5.4	5.9	6.1	5.3	6.0	5.7	5.6
ARABIA (J-5)	5.7	5.6	4.4	5.4	6.1	7.5	4.0	5.6	6.7	6.1	5.4	4.9	5.9	5.6
WX3-275	5.2	5.1	5.8	5.8	6.4	7.3	3.9	5.3	6.0	6.1	5.2	5.4	5.7	5.6
EA 41	5.8	5.3	3.8	5.0	6.2	7.2	5.0	5.9	6.6	6.2	5.0	5.4	5.7	5.6
EC-101	5.0	5.0	5.4	5.3	6.5	7.3	3.8	5.4	6.3	6.2	5.3	5.5	5.8	5.6
GOOD-EN (KOOS 96-14)	5.1	4.5	4.9	5.8	6.6	6.8	4.6	5.3	6.0	6.3	5.4	5.9	5.7	5.6
PSII-TF-10	5.1	5.0	5.0	5.2	6.5	7.3	4.0	5.5	6.2	6.3	5.2	5.8	5.6	5.6
SR 8210	5.8	5.1	5.0	5.0	6.7	7.0	4.0	5.3	6.4	6.1	5.0	5.2	6.0	5.6
JTTFC-96	5.3	5.7	5.4	5.3	6.4	6.9	4.4	5.5	5.6	6.4	5.0	5.3	5.4	5.6
AXIOM (ATF-192)	5.3	5.3	5.5	5.5	6.5	6.8	4.1	5.3	5.7	6.0	5.6	5.4	5.6	5.6
EQUINOX (TMI-N91)	5.0	5.7	5.5	5.1	6.4	6.5	4.6	5.4	5.7	6.1	5.4	5.3	5.7	5.6
KITTY HAWK S.S.T. (SS45DW)	4.7	5.4	5.3	5.6	6.6	6.8	3.9	5.2	6.0	6.1	5.4	5.6	5.7	5.6
LEPRECHAUN	5.0	4.8	5.9	4.8	6.5	6.9	5.1	5.2	5.8	6.1	5.1	5.4	5.5	5.6
TOMAHAWK-E	4.8	5.3	5.3	5.6	6.5	6.8	4.1	5.2	6.1	6.0	5.2	5.5	5.6	5.6
PICK FA 15-92	5.7	6.0	4.8	5.3	6.4	7.1	3.9	5.3	6.4	5.6	5.6	4.7	5.2	5.5
PICK FA 20-92	5.0	4.7	5.0	5.0	6.0	7.6	4.7	5.4	6.7	6.4	5.1	4.9	5.4	5.5
SHORTSTOP II	5.0	4.9	3.9	5.2	6.4	6.7	5.1	5.6	6.3	6.0	5.6	4.6	5.6	5.4
PICK FA N-93	5.1	4.8	3.9	5.4	6.5	7.0	4.2	5.1	6.7	6.4	5.2	4.2	5.4	5.4
JTTFA-96	5.0	5.7	5.5	4.7	5.9	6.1	5.5	4.9	5.3	6.2	5.0	5.0	5.3	5.4
DP 50-9011	5.3	5.6	4.6	4.5	6.1	6.7	4.7	5.1	6.0	6.0	5.3	4.7	5.3	5.4
BONSAI	4.8	5.7	3.1	5.3	6.5	6.6	3.9	5.5	5.8	6.3	5.3	5.3	5.4	5.3
DLF-1	5.1	5.4	4.9	4.4	6.5	6.0	4.0	5.0	5.3	6.1	5.6	5.4	5.1	5.3
JSC-1	4.8	4.8	4.9	4.0	6.4	7.0	3.9	5.0	5.9	5.8	5.3	5.6	5.3	5.3
ARID	4.7	4.2	5.4	4.8	5.9	6.5	4.9	5.3	4.9	6.0	5.4	5.2	5.0	5.2
PICK FA UT-93	5.3	4.8	3.6	3.8	5.8	6.9	3.8	4.9	6.4	5.9	5.2	4.0	5.2	5.1
DP 7952	4.4	4.7	3.5	4.1	6.4	6.3	5.0	5.0	5.4	5.6	5.3	4.7	5.0	5.0
AV-1	4.3	5.2	4.9	3.2	6.2	5.7	3.9	4.7	5.1	5.3	5.4	5.4	5.0	4.9
KENTUCKY-31 W/ENDO.	3.5	4.0	5.1	2.6	4.7	3.7	3.6	4.7	3.5	5.2	4.7	4.0	4.0	4.1
LSD VALUE	0.9	1.4	1.2	1.5	0.4	0.6	1.1	0.6	0.6	0.7	1.2	0.8	0.5	0.3
C.V. (%)	10.6	15.9	12.7	15.3	3.9	5.2	15.4	6.7	5.4	6.9	13.5	8.7	5.8	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 23.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
AT TEN LOCATIONS IN THE COOL-HUMID ZONE 1/  
1998 DATA

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

NAME	IA1	IL1	IN1	ME1	MI1	NE1	NJ1	NJ2	NY1	OH1	MEAN
MILLENNIUM (TMI-RER)	5.8	5.7	6.4	6.9	6.3	6.2	5.9	6.0	4.8	8.0	6.2
PLANTATION (PENNINGTON-1901)	6.0	5.4	6.4	6.5	6.5	6.6	6.0	5.8	4.4	8.3	6.2
REMBRANDT (LTP-4026 E+)	5.3	5.9	6.5	6.2	6.3	6.6	6.0	6.2	3.7	8.2	6.1
CROSSFIRE II	5.7	5.8	6.4	6.1	5.8	6.8	5.8	5.5	4.5	7.8	6.0
PICK RT-95	4.7	5.8	6.5	6.2	6.1	6.4	5.7	6.1	3.6	8.1	5.9
COYOTE	5.3	5.4	6.4	7.3	5.8	6.4	5.4	5.4	3.2	8.3	5.9
SCORPION (ZPS-2PTF)	5.3	6.0	6.4	5.7	6.0	6.3	5.5	5.5	3.8	8.3	5.9
WATCHDOG (PICK FA B-93)	5.5	5.3	6.5	7.1	6.3	5.9	5.3	5.7	3.2	8.1	5.9
SHENANDOAH II (WRS2)	5.6	5.7	6.2	5.6	6.0	6.2	5.6	5.5	4.3	8.1	5.9
MASTERPIECE (LTP-SD-TF)	5.1	5.7	6.7	5.7	5.9	6.3	5.7	5.5	3.8	7.7	5.8
MB 26	4.8	5.0	6.2	6.3	6.1	6.4	4.9	5.1	4.4	8.7	5.8
OLYMPIC GOLD (PST-5E5)	5.1	5.5	6.1	6.3	6.5	6.2	4.9	4.7	4.3	7.9	5.8
JAGUAR 3	5.0	5.7	6.3	5.8	5.9	5.7	5.2	5.3	4.2	8.3	5.7
GAZELLE	5.2	5.4	6.7	5.8	5.6	6.3	5.3	5.9	2.9	8.3	5.7
ARID 3 (J-98)	4.7	5.1	6.4	6.2	5.7	6.5	5.3	4.8	4.5	8.1	5.7
BRANDY (J-101)	5.4	4.9	6.1	6.5	6.3	6.1	5.2	4.7	4.2	7.9	5.7
CU9502T	5.0	5.3	6.3	6.2	6.3	6.7	4.6	4.6	4.2	8.0	5.7
AZTEC II (TMI-AZ)	5.5	5.4	6.0	5.4	6.4	5.8	5.0	5.3	4.1	8.0	5.7
SOUTHERN CHOICE	5.2	5.0	6.0	6.3	6.4	6.8	4.3	4.8	4.2	7.8	5.7
MB 213	5.2	4.7	6.0	6.5	6.0	6.4	5.4	4.5	4.1	7.8	5.7
PST-523	5.4	5.8	6.3	5.7	6.0	6.3	4.8	5.0	3.6	7.8	5.7
REBEL SENTRY (AA-A91)	5.5	5.6	6.2	5.7	5.6	6.8	4.6	5.0	3.3	8.2	5.7
BONSAI 2000 (BULLET)	5.5	5.7	6.1	5.7	5.6	6.0	5.0	5.5	3.7	7.7	5.6
OFT-931	5.1	5.0	6.4	6.7	5.7	6.2	4.4	5.1	3.9	7.9	5.6
BAR FA 6D	5.0	4.8	6.5	6.1	6.4	6.2	4.9	4.9	3.9	7.8	5.6
BAR FA6 US3	4.8	5.1	6.4	5.9	5.5	6.4	4.6	5.2	4.3	7.8	5.6
TAR HEEL	5.2	5.7	5.9	5.7	6.3	5.4	5.3	5.3	3.4	7.7	5.6
MUSTANG II	5.1	5.7	6.1	6.2	6.1	5.9	4.3	5.0	4.1	7.5	5.6
EMPRESS	5.3	5.7	6.3	5.4	5.6	6.6	4.9	5.2	3.0	7.9	5.6
BAR FA6 US1	4.4	4.5	6.5	6.2	5.6	6.4	5.1	4.5	4.3	8.3	5.6
SUNPRO	4.6	5.0	6.3	6.2	5.6	6.4	5.4	4.8	3.6	7.9	5.6
MB 212	5.1	4.9	6.0	6.5	6.5	6.2	5.0	4.9	2.7	7.8	5.6
BULLDAWG (PICK GA-96)	4.3	5.3	6.2	6.2	5.5	5.9	5.4	4.9	4.4	7.5	5.6
BAR FA6D USA	4.9	5.2	6.5	6.3	5.8	6.3	5.3	4.6	2.9	7.8	5.6
ATF-188	4.9	5.0	6.6	5.6	6.3	5.9	4.5	5.1	3.9	7.9	5.6
OFT-96-31	4.9	4.9	6.1	5.8	5.9	6.0	4.8	5.2	4.3	7.8	5.6
WX3-275	5.4	5.2	5.9	6.0	5.8	5.9	5.0	4.4	4.5	7.4	5.6
MB 29	5.2	5.1	6.2	6.3	6.3	5.4	4.7	4.7	3.8	7.8	5.6
SAFARI	5.4	5.8	5.6	6.2	6.5	5.5	4.1	4.4	4.2	7.8	5.5
MB 28	5.9	4.9	5.8	6.2	6.3	5.7	4.5	4.4	4.6	7.3	5.5
MB 211	4.3	5.1	6.0	6.4	6.4	6.4	4.7	4.6	3.5	8.1	5.5
ZPS-5LZ	5.4	4.9	6.2	6.2	5.4	6.0	5.3	4.4	3.4	8.3	5.5
CORONADO	5.3	5.0	6.1	5.8	5.5	5.9	5.9	5.1	3.0	7.8	5.5
WOLFPACK (PST-R5TK)	5.3	5.8	6.1	5.1	6.3	6.1	5.0	5.5	2.8	7.4	5.5

TABLE 23. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
AT TEN LOCATIONS IN THE COOL-HUMID ZONE  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF										MEAN
	IA1	IL1	IN1	ME1	MI1	NE1	NJ1	NJ2	NY1	OH1	
BAR FA 6LV	4.9	4.7	6.4	6.3	5.7	6.3	4.7	4.6	3.7	8.0	5.5
MB 216	5.8	4.7	5.8	6.7	6.4	5.8	4.7	4.1	3.6	7.8	5.5
CU9501T	5.6	4.9	6.0	6.3	5.7	6.1	4.5	4.8	3.6	8.0	5.5
SR 8210	5.2	5.0	6.5	5.3	6.2	5.7	4.6	5.1	3.8	8.0	5.5
ISI-TF11	5.8	5.9	5.8	5.5	5.8	5.7	4.5	5.0	3.8	7.5	5.5
SHENANDOAH	5.6	5.6	5.9	5.6	6.2	5.9	4.2	4.4	4.4	7.4	5.5
PST-5M5	5.3	5.4	6.3	6.4	6.3	6.4	4.5	4.6	2.4	7.5	5.5
BAR FA6 US2U	4.9	5.1	6.3	6.1	5.8	5.9	4.5	4.8	4.2	7.7	5.5
PICK FA 20-92	4.6	5.2	6.4	6.2	5.1	6.1	4.5	5.4	4.1	7.6	5.5
ARID 2 (J-3)	4.3	5.1	5.8	5.8	6.3	6.3	4.9	4.6	4.2	7.8	5.5
RENEGADE	6.3	5.1	5.8	6.2	5.9	5.9	3.6	4.1	4.4	7.7	5.5
SRX 8500	4.8	5.0	6.3	5.9	5.9	6.8	4.3	5.0	3.7	7.4	5.5
ATF-257	4.8	5.8	5.7	6.1	6.0	6.6	3.9	5.1	3.5	7.5	5.5
PIXIE E+	5.9	4.9	6.0	6.1	6.1	6.0	3.9	4.5	3.9	7.6	5.5
APACHE II	5.0	5.2	6.2	6.2	5.6	5.9	4.4	5.3	3.8	7.2	5.5
TITAN 2	6.2	5.5	5.5	5.8	6.0	5.7	3.8	4.7	4.4	7.3	5.5
ALAMO E	5.2	5.3	6.0	5.3	6.3	5.5	4.8	5.2	3.2	7.9	5.5
ANTHEM II (TMI-FMN)	5.3	5.1	5.8	5.6	6.4	5.7	5.0	4.8	3.7	7.4	5.5
REGIMENT	5.8	5.4	6.1	5.7	6.0	5.7	4.2	4.4	3.7	7.6	5.5
PRO 8430	5.3	5.7	6.0	5.8	5.7	6.2	3.8	4.7	3.7	7.7	5.5
ISI-TF9	4.8	5.2	5.9	6.0	6.1	6.2	4.6	4.7	3.7	7.3	5.5
DUSTER	5.6	5.1	6.0	5.9	5.8	5.9	4.3	4.6	3.9	7.5	5.4
REBEL 2000 (AA-989)	5.3	4.5	5.9	6.7	5.6	6.0	4.6	4.0	4.2	7.7	5.4
MB 214	5.0	4.5	5.8	6.1	5.8	5.9	4.7	4.1	4.4	8.1	5.4
BRAVO (RG-93)	5.1	5.1	6.2	5.9	5.8	4.9	4.5	5.0	4.4	7.6	5.4
CHAPEL HILL (TA-7)	4.8	5.0	5.8	6.2	6.4	5.9	4.5	4.3	3.9	7.6	5.4
MARKSMAN	5.6	5.3	5.7	6.3	6.1	6.2	3.7	4.5	3.3	7.8	5.4
ATF-196	4.9	4.9	6.1	4.8	5.2	6.6	4.5	5.6	4.1	7.8	5.4
TOMAHAWK-E	4.6	5.3	5.9	6.8	6.1	6.5	4.3	4.0	3.3	7.5	5.4
MB 215	5.1	4.6	5.9	6.6	6.2	6.2	4.5	4.0	3.3	7.9	5.4
RESERVE (ATF-182)	4.5	5.0	6.0	6.1	5.8	5.9	4.2	4.9	4.3	7.8	5.4
PICK FA XK-95	4.8	5.1	6.5	4.9	5.3	6.0	5.0	5.3	3.7	7.6	5.4
CORONADO GOLD (PST-5RT)	4.8	5.3	6.0	5.9	5.9	5.1	5.5	5.1	2.9	7.7	5.4
GENESIS	5.3	5.2	6.0	5.9	.	5.4	4.8	4.2	4.4	7.3	5.4
MB 210	4.7	5.0	5.9	6.6	5.9	5.9	4.1	4.3	3.9	7.7	5.4
RED COAT (ATF-038)	5.2	4.5	6.2	5.7	6.3	6.6	3.2	4.2	4.3	7.8	5.4
OFI-951	4.7	4.8	6.4	4.9	6.0	6.1	4.4	5.0	3.8	7.8	5.4
OFI-FWY	4.9	5.0	6.3	5.7	5.6	6.2	4.3	4.5	3.8	7.4	5.4
TULSA	5.6	5.2	5.9	5.3	6.1	5.9	3.8	4.9	2.8	8.2	5.4
PICK FA N-93	4.2	5.0	6.5	5.3	4.9	5.8	5.3	5.4	3.3	7.9	5.4
GOOD-EN (KOOS 96-14)	4.7	5.4	5.7	6.2	5.9	5.6	4.3	4.3	3.9	7.5	5.3
COCHISE II	4.9	5.0	6.1	5.1	5.4	5.8	3.9	4.8	4.3	8.0	5.3
PST-5TO	4.2	5.2	6.1	5.1	6.1	5.1	5.3	5.2	3.2	7.8	5.3
BANDANA (PST-R5AE)	5.4	5.4	5.9	5.0	6.2	5.4	4.1	4.5	3.6	7.7	5.3
LION	5.0	5.3	5.7	5.9	6.2	5.7	4.5	4.4	2.7	7.8	5.3

TABLE 23. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
AT TEN LOCATIONS IN THE COOL-HUMID ZONE  
1998 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF										MEAN
	IA1	IL1	IN1	ME1	MI1	NE1	NJ1	NJ2	NY1	OH1	
EA 41	4.9	5.0	6.0	5.5	6.0	5.6	4.6	4.9	2.8	7.8	5.3
FALCON II	5.1	5.1	5.8	6.0	6.0	5.9	3.9	4.1	3.7	7.3	5.3
TWILIGHT II (TMI-IW)	5.2	5.0	5.7	5.1	6.2	5.3	5.3	4.5	3.7	7.2	5.3
FINELAWN PETITE	5.6	5.0	5.8	5.9	5.3	5.5	4.2	4.1	3.7	7.8	5.3
ATF-022	5.0	4.9	5.7	6.1	5.8	5.8	3.5	4.6	3.9	7.5	5.3
ATF-253	5.1	5.7	5.7	5.9	5.7	5.5	4.6	4.8	2.6	7.3	5.3
LEPRECHAUN	5.4	5.3	6.0	5.9	5.7	5.4	3.9	3.7	4.1	7.3	5.3
SHORTSTOP II	5.1	4.9	6.2	4.2	4.9	6.2	5.1	4.4	4.2	7.6	5.3
KITTY HAWK S.S.T. (SS45DW)	4.8	5.7	5.8	5.4	5.9	5.2	3.8	4.6	3.9	7.5	5.3
BAR FA6 US6F	5.3	5.1	6.0	5.7	5.8	5.6	4.2	4.6	2.3	7.8	5.2
SRX 8084	5.2	5.2	5.8	5.4	6.2	5.8	3.8	4.5	3.1	7.6	5.2
VELOCITY (AA-983)	3.9	4.8	6.0	6.3	6.0	6.6	3.8	4.0	3.3	7.8	5.2
ISI-TF10	4.5	4.9	5.9	5.9	6.3	5.1	4.5	4.1	3.9	7.4	5.2
R5AU	5.2	5.0	6.1	6.2	6.3	5.3	3.8	4.8	2.3	7.3	5.2
ARABIA (J-5)	4.6	4.8	6.4	5.7	5.5	5.3	4.8	4.2	3.8	7.3	5.2
PEDESTAL (PC-AO)	4.9	4.8	5.9	5.3	6.1	5.9	3.8	4.5	3.7	7.4	5.2
PICK FA 15-92	4.7	4.6	6.1	4.9	5.6	5.9	5.3	4.4	3.6	7.2	5.2
PSII-TF-9	5.3	5.0	5.8	5.1	6.1	5.3	3.7	4.4	4.3	7.2	5.2
PSII-TF-10	5.3	5.1	5.7	5.1	5.8	6.0	4.0	3.9	3.8	7.3	5.2
EC-101	4.5	4.9	5.8	5.6	6.4	5.8	3.9	4.0	3.2	7.7	5.2
WVPB-1B	5.0	5.1	5.8	5.8	5.9	5.2	4.2	4.0	3.4	7.4	5.2
OFI-96-32	5.3	5.1	5.8	5.0	5.9	5.2	3.9	4.2	3.7	7.6	5.2
ATF-020	4.6	5.0	5.5	6.2	5.8	5.8	3.6	4.3	3.4	7.4	5.1
WVPB-1D	5.3	4.8	5.7	4.9	6.1	5.7	3.8	4.2	3.7	7.3	5.1
BONSAI	4.7	4.8	5.8	5.1	6.3	5.8	3.7	4.3	3.6	7.3	5.1
WPEZE (WVPB-1C)	5.1	5.0	5.8	5.2	5.9	5.1	3.3	4.3	4.2	7.4	5.1
COMSTOCK (SSDE31)	4.6	5.1	5.6	6.1	6.3	5.4	4.0	4.0	2.6	7.4	5.1
PICK FA 6-91	4.4	4.9	6.0	5.7	5.2	6.4	4.4	4.3	2.3	7.5	5.1
DP 50-9011	4.3	4.6	6.0	5.1	6.2	5.6	3.6	3.7	4.1	7.6	5.1
JSC-1	5.2	5.0	5.5	5.2	6.1	5.7	3.4	3.5	3.6	7.3	5.0
EQUINOX (TMI-N91)	4.3	5.4	5.5	5.7	6.1	4.4	4.1	4.5	3.3	7.2	5.0
PICK FA UT-93	4.2	4.4	6.3	4.8	4.3	5.7	4.7	4.5	3.6	7.8	5.0
JTTFC-96	5.1	4.9	5.6	5.5	6.4	5.2	3.3	4.0	3.3	6.8	5.0
JTTFA-96	5.1	5.0	5.7	5.1	6.1	4.6	2.9	4.4	3.7	7.3	5.0
AXIOM (ATF-192)	4.9	4.9	5.5	5.4	5.9	4.9	3.5	4.3	3.4	6.7	4.9
DP 7952	5.3	4.6	5.2	4.9	6.1	4.4	2.5	3.2	4.1	7.2	4.8
ARID	6.1	4.6	5.1	4.2	6.3	5.4	2.8	2.8	3.2	7.0	4.7
DLF-1	4.9	4.6	5.3	4.9	6.2	5.2	2.8	3.2	2.3	7.1	4.6
AV-1	4.9	4.8	4.9	5.1	6.2	4.6	2.3	3.0	2.6	6.6	4.5
KENTUCKY-31 W/ENDO.	5.9	3.9	3.3	3.4	6.6	2.8	1.8	1.1	3.3	5.2	3.7
LSD VALUE	1.3	0.7	0.4	1.2	0.8	0.7	1.0	0.7	1.3	0.6	0.3
C.V. (%)	15.6	8.5	4.1	12.5	8.4	8.0	14.3	9.1	22.7	4.7	10.6

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 24.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
AT FOUR LOCATIONS IN THE COOL-ARID ZONE 1/  
1998 DATA

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

NAME	CA1	CA3	UT1	WA1	MEAN	NAME	CA1	CA3	UT1	WA1	MEAN
PLANTATION (PENNINGTON-1901)	7.0	6.1	6.1	6.0	6.3	MB 216	6.4	5.6	5.3	6.0	5.9
ANTHEM II (TMI-FMN)	7.1	5.9	6.2	5.6	6.2	MB 215	6.3	5.7	5.4	6.0	5.8
BAR FA6 US2U	6.5	5.9	6.3	6.0	6.2	TWILIGHT II (TMI-TW)	6.7	5.6	5.3	5.8	5.8
ARABIA (J-5)	6.6	5.9	6.1	6.1	6.2	BAR FA6 US1	6.6	5.6	5.3	5.9	5.8
REMBRANDT (LTP-4026 E+)	6.8	6.0	5.9	5.9	6.1	MB 28	6.3	5.8	5.3	6.0	5.8
ZPS-5LZ	7.0	6.0	5.7	5.8	6.1	OLYMPIC GOLD (PST-5E5)	6.9	6.0	4.7	5.8	5.8
SHENANDOAH II (WRS2)	6.9	6.0	5.3	6.1	6.1	BONSAI 2000 (BULLET)	6.8	5.8	5.2	5.5	5.8
SUNPRO	6.7	5.8	5.8	6.0	6.1	EMPRESS	6.8	5.5	5.3	5.7	5.8
SCORPION (ZPS-2PTF)	6.7	6.0	5.6	6.0	6.1	MB 213	6.7	5.6	4.9	6.1	5.8
PICK RT-95	6.8	5.9	5.7	5.8	6.1	PICK FA 15-92	6.9	5.7	4.8	5.9	5.8
TAR HEEL	6.9	5.9	5.8	5.7	6.1	COYOTE	6.6	5.6	5.1	5.9	5.8
WATCHDOG (PICK FA B-93)	6.7	6.0	5.9	5.6	6.0	SOUTHERN CHOICE	6.7	6.0	4.9	5.6	5.8
BAR FA 6D	6.7	6.0	5.6	5.9	6.0	BRAVO (RG-93)	6.7	5.8	4.8	5.9	5.8
CORONADO	6.7	5.7	5.9	5.7	6.0	MB 212	6.9	5.5	5.1	5.8	5.8
MB 210	6.5	5.9	6.1	5.4	6.0	CU9502T	6.9	5.3	5.3	5.7	5.8
FINELAWN PETITE	6.6	5.7	5.8	5.7	6.0	CROSSFIRE II	6.8	5.8	4.8	5.7	5.8
TULSA	6.8	5.8	5.5	5.7	6.0	PICK FA 20-92	6.8	5.8	4.6	6.0	5.8
PST-5M5	6.4	6.1	5.6	5.7	6.0	PICK FA N-93	6.5	5.7	5.0	6.0	5.8
BAR FA 6LV	6.7	6.0	5.4	5.7	5.9	WOLFPACK (PST-R5TK)	6.4	6.0	5.0	5.7	5.8
ARID 3 (J-98)	6.8	5.7	5.4	5.9	5.9	SHORTSTOP II	6.6	5.8	5.1	5.7	5.8
MILLENNIUM (TMI-RBR)	6.9	6.2	4.8	5.9	5.9	PICK FA UT-93	6.6	5.2	5.7	5.6	5.8
MB 214	6.8	5.7	5.2	6.1	5.9	PST-5TO	6.6	5.7	5.1	5.7	5.8
BAR FA6 US3	6.4	5.9	5.2	6.1	5.9	EA 41	6.5	5.7	4.7	6.0	5.7
REBEL 2000 (AA-989)	6.6	5.7	5.2	6.2	5.9	GENESIS	6.6	5.5	5.3	5.7	5.7
JAGUAR 3	7.0	6.0	5.0	5.7	5.9	OFI-FWY	6.6	5.0	5.7	5.7	5.7
OFI-951	6.5	6.0	5.4	5.9	5.9	BRANDY (J-101)	6.7	5.7	4.9	5.6	5.7
GAZELLE	7.0	5.7	5.3	5.7	5.9	CU9501T	6.6	5.8	5.0	5.6	5.7
MB 26	7.0	6.0	4.7	6.0	5.9	RED COAT (ATF-038)	6.6	5.9	4.8	5.6	5.7
R5AU	6.8	5.7	5.6	5.6	5.9	FALCON II	6.6	5.5	5.2	5.6	5.7
PST-523	6.8	5.8	5.3	5.8	5.9	PICK FA 6-91	6.5	5.2	5.1	6.0	5.7
BAR FA6 US6F	6.5	5.5	5.8	5.8	5.9	APACHE II	6.6	5.8	4.8	5.6	5.7
SRX 8500	6.8	5.8	5.2	5.8	5.9	CHAPEL HILL (TA-7)	6.3	5.6	5.3	5.7	5.7
MB 29	6.7	5.7	5.0	6.1	5.9	RESERVE (ATF-182)	6.4	5.8	4.9	5.7	5.7
OFI-96-31	6.6	5.8	5.4	5.8	5.9	ATF-188	6.7	5.7	4.7	5.7	5.7
REBEL SENTRY (AA-A91)	6.7	5.8	5.2	5.8	5.9	TOMAHAWK-E	6.6	5.5	4.9	5.8	5.7
ATF-196	6.9	5.8	4.9	5.9	5.9	PICK FA XK-95	6.9	5.7	4.4	5.8	5.7
BAR FA6D USA	6.4	5.8	5.4	5.9	5.9	VELOCITY (AA-983)	6.3	5.7	4.9	5.9	5.7
ARID 2 (J-3)	6.5	5.7	5.6	5.7	5.9	ALAMO E	6.6	5.7	4.7	5.8	5.7
ISI-TF10	6.5	5.9	5.3	5.8	5.9	PRO 8430	6.6	5.6	5.0	5.5	5.7
MASTERPIECE (LTP-SD-TF)	6.8	5.7	5.0	6.0	5.9	CORONADO GOLD (PST-5RT)	6.4	6.0	4.7	5.7	5.7
SR 8210	6.7	5.8	5.4	5.5	5.9	ISI-TF11	6.5	5.4	5.2	5.6	5.7
DUSTER	6.7	5.6	5.6	5.6	5.9	PIXIE E+	6.6	5.1	5.0	5.9	5.7
MB 211	6.8	5.7	5.3	5.7	5.9	AZTEC II (TMI-AZ)	6.8	5.7	4.6	5.6	5.7
OFI-931	6.6	5.6	5.4	5.8	5.9	AXIOM (ATF-192)	6.4	5.5	5.3	5.4	5.7

TABLE 24. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) AT FOUR LOCATIONS IN THE COOL-ARID ZONE  
1998 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF					
NAME	CA1	CA3	UT1	WA1	MEAN
EC-101	6.6	5.7	4.8	5.5	5.7
BULLDAWG (PICK GA-96)	6.6	5.4	4.9	5.7	5.6
OFI-96-32	6.6	5.5	4.8	5.6	5.6
GOOD-EN (KOOS 96-14)	6.5	5.4	4.9	5.7	5.6
MUSTANG II	6.6	5.6	4.9	5.4	5.6
EQUINOX (TMI-N91)	6.7	5.5	4.8	5.6	5.6
BANDANA (PST-R5AE)	6.7	5.7	4.4	5.6	5.6
LION	6.4	5.9	4.6	5.6	5.6
DP 50-9011	6.9	5.3	4.9	5.3	5.6
LEPRECHAUN	6.5	5.6	4.7	5.6	5.6
ATF-020	6.4	5.4	4.8	5.7	5.6
WX3-275	6.6	5.5	4.7	5.5	5.6
ISI-TF9	6.6	5.5	4.6	5.5	5.6
RENEGADE	6.6	5.7	4.4	5.5	5.5
MARKSMAN	6.5	5.2	4.8	5.5	5.5
REGIMENT	6.6	5.5	4.4	5.5	5.5
ATF-022	6.4	5.2	4.8	5.5	5.5
COCHISE II	6.7	5.5	4.1	5.7	5.5
SRX 8084	6.6	5.5	4.7	5.2	5.5
WPEZE (WVPB-1C)	6.5	5.2	4.8	5.4	5.5
ATF-253	6.7	5.4	4.1	5.7	5.5
WVPB-1B	6.4	5.2	4.9	5.4	5.5
COMSTOCK (SSDE31)	6.3	5.4	4.6	5.6	5.4
KITTY HAWK S.S.T. (SS45DW)	6.4	5.2	4.6	5.5	5.4
ATF-257	6.8	4.9	4.7	5.3	5.4
BONSAI	6.4	5.5	4.2	5.6	5.4
PSII-TF-10	6.4	5.1	4.4	5.6	5.4
PEDESTAL (PC-AO)	6.5	5.2	4.2	5.5	5.4
SAFARI	6.8	5.3	4.3	5.1	5.4
SHENANDOAH	6.3	5.2	4.8	5.1	5.3
PSII-TF-9	6.4	5.1	4.4	5.4	5.3
WVPB-1D	6.6	5.2	4.0	5.5	5.3
JSC-1	6.3	4.9	4.4	5.4	5.2
TITAN 2	6.3	4.9	4.4	5.0	5.2
JTTFA-96	6.1	4.7	4.5	4.7	5.0
JTTFC-96	6.3	5.0	3.9	4.7	5.0
DLF-1	5.9	4.5	4.3	4.9	4.9
ARID	5.8	4.7	4.3	4.6	4.8
DP 7952	5.6	4.4	4.3	4.5	4.7
AV-1	5.1	4.3	3.8	4.9	4.5
KENTUCKY-31 W/ENDO.	3.1	4.0	3.6	3.5	3.6
LSD VALUE	0.3	0.5	1.1	0.4	0.3
C.V. (%)	3.2	5.6	13.8	4.1	7.2

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

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









TABLE 26.

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/  
 1998 DATA

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

NAME	IA1	IN1	KS2	MI1	MO3	NJ1	NJ2	OH1	OK1	VA1	VA4	WA1	MEAN
DP 7952	5.7	7.0	7.0	5.7	4.0	8.7	5.3	6.7	6.3	5.7	4.7	7.3	6.2
CU9501T	4.3	6.3	6.7	3.0	6.3	7.7	6.3	8.0	6.0	7.0	6.0	5.7	6.1
JTTFA-96	6.3	7.3	6.7	3.0	4.7	9.0	5.7	6.7	6.7	5.0	4.7	6.7	6.0
REGIMENT	5.7	6.7	6.0	3.7	5.0	7.7	5.0	7.3	6.0	7.0	6.3	5.7	6.0
SAFARI	5.3	6.7	7.0	3.0	5.0	8.3	5.7	6.7	5.7	6.3	5.3	6.7	6.0
PLANTATION (PENNINGTON-1901)	4.0	6.0	6.3	4.7	6.7	5.3	5.7	8.0	6.0	6.7	6.0	5.7	5.9
REMBRANDT (LTP-4026 E+)	3.7	6.0	6.0	3.7	4.7	7.0	5.7	8.0	6.3	7.3	6.7	6.0	5.9
FALCON II	4.7	7.0	7.0	3.7	5.0	7.3	5.0	7.7	5.3	6.7	5.7	5.7	5.9
JAGUAR 3	4.7	6.3	6.3	4.3	4.7	6.7	5.3	7.3	5.7	6.7	6.3	6.0	5.9
WOLFPACK (PST-R5TK)	5.0	6.0	6.3	4.7	6.0	6.0	6.7	7.7	6.0	5.7	5.3	5.0	5.9
GENESIS	4.0	6.7	6.0	.	4.3	7.7	4.7	7.7	5.7	6.3	6.7	4.7	5.8
CHAPEL HILL (TA-7)	4.7	6.0	6.0	4.0	5.3	7.0	5.3	8.3	5.7	6.7	6.0	4.7	5.8
COMSTOCK (SSDE31)	4.7	6.0	6.0	4.0	5.7	7.7	5.3	7.0	5.7	6.7	6.3	4.7	5.8
JTTFC-96	5.3	6.7	6.7	4.0	4.3	7.3	5.0	7.0	6.0	6.0	5.0	6.3	5.8
SHENANDOAH	4.3	7.0	6.7	3.3	5.0	8.0	5.3	6.7	6.0	5.7	5.7	6.0	5.8
ARID	6.0	7.0	7.0	3.7	3.7	9.0	5.3	6.3	6.0	4.7	4.3	6.3	5.8
PSII-TF-9	4.7	7.0	5.7	4.3	5.3	6.0	5.3	7.3	5.3	7.0	5.7	5.7	5.8
PEDESTAL (PC-AO)	4.7	6.0	6.3	4.0	5.3	7.0	5.7	7.3	5.3	7.0	5.7	5.0	5.8
MB 212	4.7	5.7	6.3	3.7	5.7	5.7	5.3	8.0	5.3	7.0	6.7	5.0	5.8
OLYMPIC GOLD (PST-5E5)	4.0	6.0	6.7	4.7	5.7	6.3	5.0	8.0	5.0	7.0	6.0	4.7	5.8
AZTEC II (TMI-AZ)	4.0	6.0	6.7	3.3	5.7	7.3	5.7	8.0	5.3	6.7	5.7	4.7	5.8
DLF-1	5.0	6.7	7.3	4.7	3.7	8.3	4.7	7.0	5.3	5.7	5.0	5.7	5.8
DP 50-9011	4.7	5.7	6.3	5.3	5.0	7.0	5.0	7.7	6.0	6.0	5.3	5.0	5.8
OFI-951	4.3	6.0	6.3	4.7	6.3	4.3	4.7	8.0	6.0	7.0	6.7	4.7	5.8
PSII-TF-10	6.3	6.0	6.0	3.7	5.0	4.0	4.7	7.7	5.3	8.0	6.0	6.3	5.8
RED COAT (ATF-038)	4.0	6.7	6.3	4.3	5.0	5.3	5.3	7.7	6.0	7.3	6.3	4.7	5.8
REBEL SENTRY (AA-A91)	4.3	5.7	6.3	3.0	5.7	6.0	4.3	7.7	5.3	8.0	6.5	6.0	5.7
KENTUCKY-31 W/ENDO.	6.0	6.3	6.3	5.5	2.7	9.0	7.0	6.0	4.7	4.0	4.0	7.3	5.7
BANDANA (PST-R5AE)	5.0	6.0	6.0	4.7	6.0	4.7	4.7	8.0	5.0	7.3	6.3	5.0	5.7
CU9502T	4.3	6.3	6.3	4.0	6.0	6.7	4.7	7.0	6.0	6.3	5.3	5.7	5.7
SCORPION (ZPS-2PTF)	4.0	6.0	6.7	3.7	7.0	5.7	4.3	8.0	5.7	7.0	6.0	4.7	5.7
FINELAWN PETITE	4.0	6.7	6.3	2.7	5.0	6.7	5.7	7.7	6.3	6.7	6.0	5.0	5.7
MUSTANG II	4.3	6.7	7.0	3.5	5.0	5.3	5.3	7.0	6.0	7.0	5.3	6.0	5.7
BAR FA 6D	4.3	5.7	7.0	4.0	5.7	5.7	5.3	7.0	5.0	7.3	6.3	5.0	5.7
MB 210	4.3	6.0	6.0	3.3	6.0	6.3	5.3	8.0	5.0	7.0	6.0	5.0	5.7
MILLENNIUM (TMI-RBR)	4.0	6.0	6.0	4.0	5.0	6.0	5.0	8.0	5.7	7.7	6.3	4.7	5.7
PST-523	4.7	6.7	6.3	3.0	5.7	6.3	5.0	7.7	5.7	6.3	5.7	5.3	5.7
PST-5TO	4.0	6.3	6.7	4.7	5.0	6.3	5.0	7.7	4.7	6.7	6.0	5.3	5.7
BAR FA 6LV	4.3	5.7	6.7	3.5	5.3	6.3	4.7	8.0	5.7	7.3	6.0	4.7	5.7
BAR FA6 US2U	4.3	5.7	6.3	3.7	5.0	6.0	4.7	8.0	4.7	7.3	7.0	5.3	5.7
BAR FA6 US6F	4.0	6.3	7.0	3.0	5.0	7.0	4.3	8.0	5.3	6.7	6.3	5.0	5.7
MB 211	4.3	5.7	6.0	4.3	6.0	4.3	4.7	8.3	5.0	7.3	6.7	5.3	5.7
WPEZE (WVPB-1C)	4.3	5.7	5.7	4.3	5.0	6.3	5.0	7.7	5.7	6.7	6.3	5.3	5.7
SR 8210	4.0	6.7	6.0	4.3	5.0	5.7	5.0	7.3	5.3	7.3	6.0	5.0	5.6

TABLE 26. (CONT'D)

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS  
 1998 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	IA1	IN1	KS2	MI1	MO3	NJ1	NJ2	OH1	OK1	VA1	VA4	WA1	MEAN
CROSSFIRE II	4.7	6.0	6.3	3.7	6.3	4.7	5.0	7.7	5.3	6.7	6.0	5.3	5.6
MASTERPIECE (LTP-SD-TF)	4.3	6.3	6.3	3.7	5.0	5.3	5.3	8.0	5.3	6.7	6.7	4.7	5.6
WVPB-1B	4.3	6.7	6.7	3.5	5.3	6.0	5.0	7.3	5.7	6.3	5.7	5.0	5.6
CORONADO	4.0	6.3	6.0	3.7	7.0	5.0	4.7	8.0	5.3	6.0	6.3	5.0	5.6
MARKSMAN	4.3	6.3	7.0	3.7	4.7	7.0	5.3	7.3	5.0	6.7	5.0	5.0	5.6
SHENANDOAH II (WRS2)	4.0	6.0	5.7	3.3	5.0	5.3	5.7	8.0	5.3	7.3	6.7	5.0	5.6
MB 216	4.3	6.0	5.0	5.3	6.0	5.3	4.3	8.0	4.7	7.7	6.0	4.7	5.6
OFI-FWY	4.0	6.0	6.3	3.3	5.0	5.3	5.3	8.0	6.0	6.7	6.3	5.0	5.6
SOUTHERN CHOICE	4.0	6.3	6.3	3.3	5.7	5.7	5.0	8.0	4.7	7.0	5.7	5.7	5.6
ATF-020	4.0	5.7	5.7	4.0	5.7	6.3	4.7	7.3	4.7	8.0	6.0	5.0	5.6
BULLDAWG (PICK GA-96)	4.3	6.7	6.0	3.7	5.0	6.0	4.0	8.0	5.0	7.0	6.7	4.7	5.6
ANTHEM II (TMI-FMN)	4.7	5.7	6.7	3.7	5.3	5.7	5.0	8.0	5.0	6.7	6.0	4.3	5.6
ATF-022	4.7	6.0	5.7	3.7	5.0	5.3	5.7	7.3	5.3	7.3	5.3	5.3	5.6
DUSTER	4.3	6.3	6.3	3.3	6.0	5.3	5.0	7.3	5.3	7.0	5.3	5.0	5.6
RESERVE (ATF-182)	4.7	6.0	6.0	2.7	5.3	6.0	4.7	7.0	6.0	7.3	5.7	5.3	5.6
BAR FA6 US3	4.0	5.7	5.7	3.3	5.3	4.3	5.0	8.3	5.7	7.0	7.3	5.0	5.6
TOMAHAWK-E	4.3	5.7	6.0	4.0	5.0	5.0	4.7	8.0	4.7	8.0	6.0	5.3	5.6
WATCHDOG (PICK FA B-93)	4.3	6.3	6.3	3.3	5.3	5.0	5.3	7.7	5.7	6.3	6.0	5.0	5.6
WVPB-1D	5.0	6.0	6.0	3.7	4.3	6.3	5.0	7.3	5.3	6.7	6.0	5.0	5.6
BONSAI 2000 (BULLET)	4.3	6.0	6.3	3.3	5.0	6.3	5.3	7.7	5.3	6.3	5.3	5.0	5.5
EQUINOX (TMI-N91)	4.3	5.7	6.0	4.0	5.0	6.0	5.3	7.3	5.0	7.0	5.7	5.0	5.5
OFI-96-31	4.0	6.3	7.0	3.3	4.7	5.3	4.0	7.7	5.3	7.3	6.3	5.0	5.5
BAR FA6D USA	4.3	5.3	6.0	3.0	5.7	4.3	4.7	8.7	6.0	7.3	6.3	4.7	5.5
BRAVO (RG-93)	4.7	6.3	6.3	2.0	5.0	6.3	5.7	8.0	5.0	6.3	5.7	5.0	5.5
ISI-TF10	4.7	6.0	6.3	3.7	5.0	5.0	4.7	8.0	5.0	6.7	5.7	5.7	5.5
ISI-TF9	5.0	6.0	6.3	3.0	6.0	6.0	4.3	7.0	5.3	6.7	5.7	5.0	5.5
PST-5M5	4.3	5.3	6.3	4.0	5.0	4.3	5.0	8.0	5.3	7.3	6.0	5.3	5.5
EC-101	4.0	6.3	6.3	3.5	4.3	6.7	5.0	7.7	5.3	6.7	5.7	4.7	5.5
BAR FA6 US1	4.0	6.0	5.3	4.0	5.0	5.7	4.7	8.3	4.7	6.3	6.7	5.3	5.5
MB 215	4.0	5.7	6.0	4.0	5.7	5.3	4.3	8.0	5.0	6.7	6.3	5.0	5.5
PIXIE E+	5.3	6.0	6.0	3.7	5.0	4.7	5.0	8.0	5.3	6.7	5.3	5.0	5.5
R5AU	4.0	5.7	5.7	3.7	5.0	6.7	5.0	7.7	4.7	6.7	6.0	5.3	5.5
TAR HEEL	4.3	5.7	6.3	4.0	5.3	5.3	5.0	8.0	5.3	6.7	5.3	4.7	5.5
TITAN 2	4.7	6.7	5.3	3.3	4.0	6.7	5.0	7.0	5.0	6.7	5.3	6.3	5.5
OFI-96-32	4.0	6.0	6.3	3.3	5.7	6.0	4.7	7.7	5.3	6.7	5.3	4.7	5.5
PICK FA 15-92	4.3	5.7	5.7	4.0	7.0	5.0	4.0	8.3	4.7	7.0	5.7	4.3	5.5
SUNPRO	4.3	6.0	6.0	4.0	5.7	5.0	4.3	8.0	5.3	7.0	6.0	4.0	5.5
VELOCITY (AA-983)	4.7	5.7	5.7	4.3	5.0	5.3	4.3	8.0	5.0	7.3	6.0	4.3	5.5
AV-1	4.7	6.0	6.3	4.3	4.0	8.0	5.0	7.0	4.7	5.3	4.7	5.7	5.5
OFI-931	4.0	6.0	5.7	2.7	6.0	5.0	5.7	7.7	5.3	6.7	5.7	5.3	5.5
GAZELLE	4.7	6.0	5.3	4.0	5.7	4.0	4.7	8.3	5.3	6.3	5.7	5.3	5.4
LEPRECHAUN	4.0	6.3	5.7	3.7	6.3	4.7	4.7	7.3	5.3	6.3	5.7	5.3	5.4
RENEGADE	4.0	6.7	6.0	3.3	5.3	5.3	5.3	8.0	5.7	6.3	5.3	4.0	5.4
EMPRESS	4.0	6.3	6.0	3.3	5.0	5.0	5.0	8.0	5.3	6.3	5.7	5.3	5.4
GOOD-EN (KOOS 96-14)	4.3	6.0	6.3	3.3	5.0	5.0	5.3	7.3	5.3	6.7	5.3	5.3	5.4

TABLE 26. (CONT'D)

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS  
 1998 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	IA1	IN1	KS2	MI1	MO3	NJ1	NJ2	OH1	OK1	VA1	VA4	WA1	MEAN
REBEL 2000 (AA-989)	4.0	5.7	5.7	4.0	5.7	3.7	4.3	8.0	5.0	8.0	6.3	4.7	5.4
JSC-1	4.3	6.0	6.0	3.3	4.7	6.7	4.3	7.0	5.0	6.0	5.7	6.0	5.4
MB 28	4.3	6.0	6.0	3.3	4.7	5.3	4.0	8.7	4.3	7.3	6.7	4.3	5.4
MB 29	4.0	5.7	6.0	3.7	5.3	4.0	4.0	8.7	4.7	7.7	6.3	5.0	5.4
PICK FA XK-95	4.3	6.0	6.0	3.3	5.0	4.7	4.3	8.0	5.3	7.0	6.0	5.0	5.4
TULSA	4.0	5.7	6.0	3.3	5.0	6.0	4.3	7.0	5.3	7.7	5.7	5.0	5.4
ATF-188	4.0	6.0	6.3	4.0	5.0	5.3	4.3	7.3	5.3	7.3	5.3	4.3	5.4
ATF-253	4.3	5.3	6.0	3.7	5.0	5.7	5.0	7.3	5.0	7.3	5.0	5.0	5.4
ATF-196	4.3	5.0	5.7	3.0	5.0	6.7	5.3	7.7	5.0	6.7	5.3	5.0	5.4
BRANDY (J-101)	4.0	5.7	5.7	3.7	5.0	4.3	4.7	8.0	4.7	7.7	6.3	5.0	5.4
ARID 2 (J-3)	4.3	5.3	6.3	4.0	4.7	4.3	4.3	8.0	4.7	7.7	6.0	4.7	5.4
ATF-257	4.0	6.0	6.0	3.3	5.0	5.3	5.3	7.3	4.7	7.0	5.7	4.7	5.4
AXIOM (ATF-192)	4.0	5.7	6.0	4.3	5.0	4.7	5.3	7.7	5.3	7.0	5.0	4.3	5.4
ZPS-5LZ	4.0	5.3	6.0	4.0	5.7	4.0	3.7	8.0	5.0	7.7	6.0	5.0	5.4
COYOTE	4.7	5.7	5.7	3.7	5.0	3.7	4.0	8.0	5.3	7.3	6.3	4.7	5.3
MB 26	3.7	5.3	6.3	3.3	5.3	4.0	4.0	8.7	5.0	8.0	6.0	4.3	5.3
PICK FA UT-93	4.3	5.7	6.0	3.0	6.3	3.7	4.0	9.0	4.7	6.3	6.0	5.0	5.3
PRO 8430	4.7	6.0	6.0	3.7	4.7	4.0	4.7	7.3	5.7	7.0	5.0	5.3	5.3
SRX 8084	4.3	6.3	5.3	3.3	4.7	5.3	4.7	7.0	5.3	6.7	5.3	5.7	5.3
CORONADO GOLD (PST-5RT)	3.7	6.0	6.3	3.0	4.3	4.7	5.0	8.0	5.0	7.0	5.3	5.3	5.3
EA 41	4.0	5.7	6.0	3.7	4.7	5.3	4.7	8.0	5.0	7.3	5.3	4.0	5.3
MB 214	4.0	5.3	5.7	3.7	5.3	4.3	4.7	8.3	4.7	7.7	6.3	3.7	5.3
SHORTSTOP II	4.0	5.3	5.7	3.0	5.0	5.7	4.3	8.0	4.7	7.0	6.0	5.0	5.3
SRX 8500	4.0	6.0	6.0	3.7	5.3	2.7	4.3	8.3	5.3	6.7	6.7	4.7	5.3
ARID 3 (J-98)	4.0	5.7	5.7	3.7	5.7	3.0	4.7	8.0	4.7	7.3	6.3	4.7	5.3
PICK FA 20-92	4.0	6.0	5.7	3.3	5.7	3.3	4.7	8.3	4.7	7.0	6.0	4.7	5.3
COCHISE II	4.0	6.0	6.3	3.0	5.3	3.7	4.7	7.7	5.3	6.7	6.0	4.3	5.3
TWILIGHT II (TMI-TW)	4.0	4.3	6.3	4.0	5.0	4.3	4.3	8.0	5.0	7.3	5.7	4.7	5.3
APACHE II	4.0	6.0	5.7	3.7	5.0	4.7	4.7	8.0	4.7	6.7	5.3	4.3	5.2
BONSAI	4.7	5.7	5.7	4.3	5.0	4.3	4.3	7.0	5.0	6.7	5.3	4.7	5.2
KITTY HAWK S.S.T. (SS45DW)	4.0	6.0	6.3	3.3	4.7	5.0	5.0	7.3	4.3	6.3	5.7	4.7	5.2
PICK FA 6-91	4.0	6.0	5.3	3.3	6.0	3.0	3.7	8.3	4.7	7.3	6.0	5.0	5.2
PICK RT-95	4.0	5.7	5.7	3.0	5.7	3.3	5.0	8.0	5.0	7.3	6.3	3.7	5.2
LION	4.7	5.0	6.0	3.7	6.0	3.3	4.0	8.0	5.0	7.0	5.7	4.0	5.2
ISI-TF11	4.3	5.7	6.3	2.7	5.0	4.0	4.3	7.3	5.3	6.0	6.3	4.3	5.1
PICK FA N-93	4.3	5.3	5.3	4.3	5.3	2.7	3.7	8.7	5.0	7.7	6.0	3.3	5.1
MB 213	4.0	5.3	5.7	3.0	4.3	4.0	4.0	8.3	4.7	8.0	6.0	4.0	5.1
ARABIA (J-5)	4.3	5.3	5.3	3.7	5.0	2.7	4.0	8.3	5.0	7.3	6.3	3.7	5.1
WX3-275	4.7	5.3	6.0	3.7	4.7	3.7	3.3	8.0	4.3	8.0	5.0	4.0	5.1
ALAMO E	4.0	5.3	6.0	2.7	5.0	4.3	4.0	8.0	4.3	7.0	5.3	3.3	4.9
LSD VALUE	0.9	1.0	1.0	1.4	1.6	1.7	1.2	0.7	1.1	1.1	1.3	1.3	0.4
C.V. (%)	13.4	10.8	10.6	24.0	19.4	19.7	15.5	5.7	13.6	9.5	13.5	15.7	13.9

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

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







TABLE 28. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

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

NAME	MO1	MO3	NE1	NE2	OK1	SC2	MEAN
REMERANDT (LTP-4026 E+)	7.0	6.7	8.3	7.3	7.7	7.0	7.3
REBEL SENTRY (AA-A91)	6.3	7.7	9.0	7.0	7.3	6.3	7.3
MILLENNIUM (TMI-RBR)	6.3	8.0	8.3	7.3	7.7	6.0	7.3
WATCHDOG (PICK FA B-93)	6.3	6.3	9.0	7.7	8.0	6.0	7.2
PLANTATION (PENNINGTON-1901)	5.7	6.7	8.7	7.7	8.0	6.3	7.2
CU9502T	7.0	6.3	8.7	7.0	8.0	6.0	7.2
CROSSFIRE II	7.0	6.0	9.0	7.3	8.0	5.3	7.1
OFI-951	6.0	6.7	8.7	7.0	8.0	6.0	7.1
SCORPION (ZPS-2PTF)	6.7	6.3	8.0	8.0	8.0	5.3	7.1
GAZELLE	5.7	7.0	8.7	7.3	7.7	5.7	7.0
PST-5M5	6.3	7.0	9.0	6.7	8.0	5.0	7.0
REBEL 2000 (AA-989)	5.7	6.7	8.7	6.3	7.3	7.3	7.0
SOUTHERN CHOICE	6.3	6.0	9.0	7.0	7.7	6.0	7.0
ATF-196	6.3	6.0	8.3	7.3	7.3	6.3	6.9
ATF-253	6.3	6.0	8.3	7.0	7.7	6.3	6.9
ATF-257	6.0	6.0	9.0	6.3	8.0	6.3	6.9
BAR FA6 US3	6.0	7.3	8.7	6.3	7.7	5.7	6.9
BONSAI 2000 (BULLET)	6.3	5.7	8.7	7.0	7.3	6.3	6.9
MB 26	4.7	7.3	9.0	6.7	7.3	6.3	6.9
RED COAT (ATF-038)	5.7	6.3	8.3	7.0	7.7	6.3	6.9
PICK FA N-93	5.7	7.3	8.7	7.0	8.0	4.7	6.9
PICK RT-95	6.3	6.3	8.7	7.3	7.7	5.0	6.9
ATF-020	5.7	6.0	8.7	6.7	7.7	6.3	6.8
ARID 3 (J-98)	5.3	6.7	9.0	6.7	7.3	6.0	6.8
BAR FA6 US1	6.0	6.7	9.0	6.3	7.7	5.3	6.8
BULLDAWG (PICK GA-96)	6.0	6.0	9.0	7.0	7.7	5.3	6.8
CU9501T	6.0	5.0	8.3	7.0	7.7	7.0	6.8
DUSTIER	6.3	5.7	9.0	7.0	8.0	5.0	6.8
MB 29	5.7	6.3	8.7	6.7	7.3	6.3	6.8
OFI-931	5.3	6.7	9.0	6.7	7.7	5.7	6.8
SHORTSTOP II	6.3	6.0	8.7	6.0	7.7	6.3	6.8
SRX 8500	6.0	6.3	8.7	7.3	7.7	5.0	6.8
ARID 2 (J-3)	6.7	5.3	8.3	6.7	7.3	6.3	6.8
MB 211	5.7	7.0	8.3	6.0	7.3	6.3	6.8
MB 214	5.7	6.7	8.7	6.7	7.0	6.0	6.8
ATF-188	6.0	6.0	8.7	6.7	7.3	6.0	6.8
BAR FA6D USA	5.3	6.3	9.0	6.3	8.0	5.7	6.8
CHAPEL HILL (TA-7)	6.0	6.3	8.7	6.0	7.7	6.0	6.8
GOOD-EN (KOOS 96-14)	5.7	6.3	9.0	5.7	7.3	6.7	6.8
PIXIE E+	6.3	5.7	8.7	6.0	7.0	7.0	6.8
ZPS-5LZ	5.7	7.3	8.3	7.3	7.3	4.7	6.8
ATF-022	5.3	5.3	8.7	7.0	7.7	6.3	6.7
BAR FA 6LV	6.7	5.3	8.3	7.0	7.7	5.3	6.7
BRANDY (J-101)	5.7	6.3	8.0	6.3	7.7	6.3	6.7



TABLE 28. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	MO1	MO3	NE1	NE2	OK1	SC2	MEAN
JAGUAR 3	5.7	6.0	8.7	7.7	7.7	4.7	6.7
MASTERPIECE (LTP-SD-TF)	6.0	6.7	8.3	6.3	7.7	5.3	6.7
MB 213	6.0	6.7	9.0	5.7	7.0	6.0	6.7
OLYMPIC GOLD (PST-5E5)	6.0	6.3	8.3	6.7	7.7	5.3	6.7
REGIMENT	6.3	5.0	8.3	6.3	8.0	6.3	6.7
SR 8210	6.3	6.0	8.7	6.7	7.7	5.0	6.7
WOLFPACK (PST-R5TK)	6.0	5.7	8.7	6.0	8.0	6.0	6.7
CORNADO	5.7	6.0	9.0	6.3	7.7	5.7	6.7
GENESIS	5.3	5.7	9.0	6.3	8.0	6.0	6.7
PEDESTAL (PC-AO)	5.7	5.7	9.0	6.7	7.7	5.3	6.7
VELOCITY (AA-983)	4.7	6.0	8.7	7.0	7.3	6.3	6.7
BAR FA6 US2U	6.3	6.7	8.0	6.0	7.3	5.7	6.7
BAR FA6 US6F	6.0	6.7	9.0	6.7	7.0	4.7	6.7
COYOTE	4.7	6.3	9.0	7.3	7.3	5.3	6.7
MARKSMAN	5.3	5.0	9.0	7.0	7.7	6.0	6.7
MB 215	5.3	6.7	8.7	6.0	7.3	6.0	6.7
OFI-FWY	5.7	5.3	9.0	6.3	7.7	6.0	6.7
SHENANDOAH	6.0	5.3	9.0	6.0	7.7	6.0	6.7
SUNERO	5.0	5.7	9.0	7.3	7.7	5.3	6.7
BAR FA 6D	5.7	5.3	9.0	7.0	7.3	5.3	6.6
MB 216	5.7	6.0	8.7	6.3	6.7	6.3	6.6
PICK FA UT-93	5.7	6.3	8.3	6.3	7.7	5.3	6.6
PST-523	6.7	5.3	8.3	6.0	8.0	5.3	6.6
SHENANDOAH II (WRS2)	4.7	6.3	9.0	6.7	7.7	5.3	6.6
WVPB-1D	6.0	5.7	8.7	6.7	7.3	5.3	6.6
EMPRESS	6.3	5.3	9.0	6.3	7.7	5.0	6.6
PICK FA 20-92	5.7	5.7	9.0	7.0	7.7	4.7	6.6
PICK FA 6-91	6.3	5.7	8.7	6.3	7.0	5.7	6.6
AXIOM (ATF-192)	6.3	5.7	8.3	6.0	7.3	5.7	6.6
AZTEC II (TMI-AZ)	5.0	6.3	9.0	5.7	7.3	6.0	6.6
EA 41	5.7	6.7	8.3	6.0	7.3	5.3	6.6
MB 210	5.3	6.3	8.3	5.7	7.3	6.3	6.6
PSII-TF-10	5.3	6.3	8.7	6.3	7.3	5.3	6.6
TOMAHAWK-E	5.0	5.7	9.0	6.7	7.3	5.7	6.6
MB 212	6.0	5.7	8.3	6.3	7.0	6.0	6.6
MB 28	5.3	6.3	8.7	6.0	7.3	5.7	6.6
MUSTANG II	6.0	5.0	7.7	6.3	7.7	6.7	6.6
PICK FA 15-92	6.3	5.7	8.7	5.7	7.0	6.0	6.6
ALAMO E	5.3	5.7	7.7	6.3	7.7	6.3	6.5
COCHISE II	5.7	6.0	8.3	6.0	7.7	5.3	6.5
COMSTOCK (SSDE31)	5.7	6.0	8.7	5.7	7.0	6.0	6.5
RESERVE (ATF-182)	5.3	5.3	8.3	6.0	7.7	6.3	6.5
ARABIA (J-5)	5.0	6.3	8.3	6.0	7.7	5.7	6.5
PICK FA XK-95	5.7	6.3	8.7	5.7	8.0	4.7	6.5
CORNADO GOLD (PST-5RT)	5.7	6.0	8.3	5.7	8.0	5.0	6.4

TABLE 28. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY							
NAME	MO1	MO3	NE1	NE2	OK1	SC2	MEAN
OFI-96-32	6.3	4.7	9.0	5.7	7.7	5.3	6.4
ANTHEM II (TMI-FMN)	5.0	5.3	8.7	6.0	7.7	6.0	6.4
DLF-1	5.7	5.3	8.7	5.3	6.7	7.0	6.4
DP 50-9011	5.3	6.0	8.7	6.0	6.7	6.0	6.4
ISI-TF10	6.0	6.0	8.7	5.7	7.7	4.7	6.4
LEPRECHAUN	5.7	6.0	8.7	5.3	7.3	5.7	6.4
TULSA	5.0	5.3	8.3	5.7	8.0	6.3	6.4
FALCON II	6.7	5.3	8.7	5.3	7.0	5.3	6.4
PRO 8430	5.3	5.7	8.3	6.3	7.7	5.0	6.4
SAFARI	5.7	5.3	8.0	5.7	7.7	6.0	6.4
TAR HEEL	5.0	5.7	8.0	5.7	7.7	6.3	6.4
WX3-275	5.0	6.3	8.3	5.7	7.7	5.3	6.4
OFI-96-31	5.0	5.7	8.3	6.3	7.0	6.0	6.4
SRX 8084	5.7	5.7	8.7	6.3	7.0	5.0	6.4
APACHE II	5.7	5.3	8.3	6.0	7.0	5.7	6.3
EC-101	4.7	5.3	9.0	6.3	7.3	5.3	6.3
ISI-TF11	5.7	5.7	8.3	6.0	7.3	5.0	6.3
RENEGADE	5.0	6.0	8.7	6.0	7.0	5.3	6.3
TITAN 2	6.3	5.3	8.7	4.7	7.0	6.0	6.3
LION	6.0	5.7	8.3	5.3	7.0	5.7	6.3
BANDANA (PST-R5AE)	5.7	5.3	9.0	4.7	7.7	5.3	6.3
ISI-TF9	5.3	5.3	8.7	5.7	7.7	5.0	6.3
R5AU	5.3	5.3	8.0	5.7	7.7	5.7	6.3
ARID	7.0	5.0	8.0	4.7	6.7	6.0	6.2
TWILIGHT II (TMI-TW)	5.0	5.3	8.7	5.7	7.0	5.7	6.2
BRAVO (RG-93)	6.3	5.3	8.0	5.7	7.0	5.0	6.2
JTTEA-96	6.0	5.3	8.0	5.3	6.7	6.0	6.2
BONSAI	5.0	5.3	8.7	6.0	6.7	5.3	6.2
FINELAWN PETITE	5.7	5.3	7.3	6.0	7.3	5.3	6.2
WPEZE (WVPB-1C)	5.7	5.0	8.0	5.3	7.0	6.0	6.2
WVPB-1B	5.7	5.0	8.3	5.3	7.0	5.7	6.2
KITTY HAWK S.S.T. (SS45DW)	5.0	5.7	8.0	5.0	7.0	6.0	6.1
PST-5TO	5.7	6.3	7.7	5.0	7.0	5.0	6.1
EQUINOX (TMI-N91)	5.3	5.7	7.3	5.0	7.3	6.0	6.1
JSC-1	5.0	5.3	8.7	5.7	6.7	5.0	6.1
PSII-TF-9	5.3	5.0	8.0	5.7	7.0	5.3	6.1
DP 7952	5.0	4.3	8.3	5.0	7.0	6.3	6.0
AV-1	5.3	4.3	8.3	5.0	6.3	6.0	5.9
JTTFC-96	5.3	4.3	8.3	5.0	7.0	4.7	5.8
KENTUCKY-31 W/ENDO.	5.0	3.3	8.0	3.0	6.0	6.3	5.3
LSD VALUE	1.5	1.1	1.0	1.2	0.8	2.5	0.6
C.V. (%)	16.3	11.8	7.4	11.5	6.5	26.8	13.7

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 29.

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								MEAN
	AR1	DE1	MO3	NE1	NE2	OK1	SC2	UT1	
PLANTATION (PENNINGTON-1901)	7.0	7.0	6.0	8.7	8.3	8.0	5.7	6.0	7.1
CU9502T	6.3	7.7	6.3	8.3	8.7	8.0	5.3	5.3	7.0
REMBRANDT (LTP-4026 E+)	6.0	8.0	4.7	8.7	8.7	8.0	5.7	6.3	7.0
SHENANDOAH II (WRS2)	7.0	7.0	5.7	8.7	8.3	7.7	5.7	6.0	7.0
PICK RT-95	6.7	6.7	6.0	9.0	8.0	8.0	5.0	6.3	7.0
WOLFPACK (PST-R5TK)	7.0	7.0	5.0	8.0	8.0	8.0	5.7	6.0	6.8
ATF-196	7.3	7.3	4.7	8.3	7.3	7.7	5.3	6.3	6.8
CU9501T	7.0	7.0	5.0	8.3	8.0	8.0	5.7	5.3	6.8
MASTERPIECE (LTP-SD-TF)	7.0	6.0	5.7	8.3	8.7	7.7	5.3	5.7	6.8
JAGUAR 3	7.0	5.7	6.0	9.0	8.7	7.7	5.0	5.0	6.8
PST-523	7.3	6.7	5.3	8.0	7.3	8.0	5.0	6.3	6.8
PST-5M5	6.3	6.3	5.3	8.7	8.0	8.0	5.3	6.0	6.8
COYOTE	7.3	7.0	4.7	7.7	8.0	8.0	5.3	5.3	6.7
MB 211	6.7	6.7	5.3	8.0	7.7	8.0	5.7	5.3	6.7
SCORPION (ZES-2PTF)	6.7	6.3	5.0	8.0	8.3	8.0	5.0	6.0	6.7
ARID 3 (J-98)	6.0	6.7	5.0	8.3	7.3	8.0	5.3	6.3	6.6
WATCHDOG (PICK FA B-93)	5.7	6.7	4.7	8.3	8.3	8.0	5.7	5.7	6.6
ZPS-5LZ	6.7	7.3	5.0	8.0	7.3	8.0	5.0	5.7	6.6
BAR FA6 US3	7.0	5.7	6.0	8.3	7.7	7.7	5.0	5.7	6.6
SUNPRO	6.7	6.7	4.7	8.3	8.3	8.0	5.0	5.0	6.6
DUSTER	5.3	7.7	5.0	8.3	7.7	7.7	5.0	6.0	6.6
OFI-96-31	6.3	7.0	4.7	8.0	8.0	7.7	5.0	6.0	6.6
OLYMPIC GOLD (PST-5E5)	6.7	7.3	4.7	7.3	8.0	8.0	5.7	5.0	6.6
RENEGADE	6.7	7.7	5.0	8.3	7.7	7.7	5.0	4.7	6.6
APACHE II	6.7	7.0	4.7	8.3	8.0	7.7	5.3	4.7	6.5
BAR FA6 US1	6.7	5.7	4.7	8.3	8.3	7.7	5.0	6.0	6.5
GAZELLE	7.0	6.3	4.7	8.7	8.3	7.0	5.0	5.3	6.5
PICK FA XK-95	7.0	7.3	4.3	7.0	8.0	8.0	5.3	5.3	6.5
TULSA	6.7	7.0	5.0	7.7	7.0	8.0	5.3	5.7	6.5
ATF-257	7.3	6.3	5.3	7.3	8.0	7.7	5.3	5.0	6.5
BAR FA6D USA	6.0	7.3	5.0	8.0	8.0	7.7	5.3	5.0	6.5
REBEL SENTRY (AA-A91)	5.3	6.7	5.3	8.0	8.3	7.7	5.3	5.7	6.5
TAR HEEL	6.3	6.0	4.3	7.7	8.7	7.7	6.0	5.7	6.5
ATF-253	6.7	7.7	4.7	7.7	8.7	7.7	5.3	3.7	6.5
BULLDAWG (PICK GA-96)	6.3	6.3	4.7	8.3	8.0	7.3	5.3	5.7	6.5
CROSSFIRE II	6.3	7.0	4.3	8.3	7.7	7.7	5.3	5.3	6.5
MB 213	7.0	7.3	5.0	7.7	6.3	7.7	5.7	5.3	6.5
MB 214	6.3	6.7	4.7	8.0	7.7	7.3	5.7	5.7	6.5
RED COAT (ATF-038)	6.7	6.3	4.3	8.3	8.3	7.7	5.3	5.0	6.5
BAR FA 6D	6.0	7.0	4.0	8.3	7.3	8.0	5.3	5.7	6.5
MB 29	6.0	6.7	4.3	7.7	8.0	8.0	5.7	5.3	6.5
SHENANDOAH	6.0	7.7	5.3	8.0	7.3	7.3	5.0	5.0	6.5
TOMAHAWK-E	5.7	7.3	4.3	7.7	8.3	7.3	5.3	5.7	6.5
ARID 2 (J-3)	6.0	7.3	4.3	7.3	8.0	7.7	5.0	6.0	6.5

TABLE 29.  
(CONT'D)

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS  
1998 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	AR1	DE1	MO3	NE1	NE2	OK1	SC2	UT1	MEAN
BRANDY (J-101)	6.3	6.0	5.0	7.7	8.3	7.7	5.0	5.7	6.5
PIXIE E+	5.3	7.0	4.7	8.0	8.0	7.7	5.7	5.3	6.5
R5AU	6.3	6.7	4.7	7.0	7.3	8.0	5.7	6.0	6.5
OFI-96-32	5.7	7.5	5.0	7.0	7.7	7.3	5.0	6.3	6.4
OFI-931	6.7	6.3	4.7	7.7	8.0	7.3	5.3	5.3	6.4
PICK FA 15-92	6.3	6.7	4.7	8.3	7.3	7.3	5.3	5.3	6.4
ALAMO E	6.0	7.3	4.3	7.7	7.7	8.0	5.3	5.0	6.4
MILLENNIUM (TMI-RBR)	6.7	7.3	4.0	7.7	8.0	7.7	5.3	4.7	6.4
OFI-FWY	6.3	6.7	5.0	7.0	8.0	7.0	5.3	6.0	6.4
REGIMENT	5.7	7.0	5.0	7.3	7.3	8.0	5.7	5.3	6.4
SRX 8500	5.3	7.0	4.3	8.3	8.3	8.0	5.0	5.0	6.4
MB 212	6.7	5.7	5.0	7.3	8.0	7.7	5.3	5.3	6.4
MB 26	5.7	7.0	4.7	7.7	7.7	7.7	5.3	5.3	6.4
SHORTSTOP II	6.3	5.7	4.7	8.0	8.0	7.3	5.3	5.7	6.4
ANTHEM II (TMI-FMN)	6.0	7.3	4.3	7.3	6.7	7.3	5.7	6.3	6.4
MUSTANG II	6.3	5.7	4.3	8.3	8.0	8.0	6.0	4.3	6.4
RESERVE (ATF-182)	6.0	6.3	4.3	7.3	8.7	7.3	5.7	5.3	6.4
ATF-188	6.3	6.0	4.0	8.3	8.0	7.7	5.7	5.0	6.4
PEDESTAL (PC-AO)	6.3	6.7	5.3	7.0	8.0	7.7	5.3	4.7	6.4
PRO 8430	6.7	6.3	4.7	7.0	7.7	7.7	5.3	5.3	6.3
SOUTHERN CHOICE	6.3	5.7	4.7	8.3	7.3	8.0	5.0	5.3	6.3
BAR FA 6LV	6.0	5.7	4.3	7.7	8.3	7.7	5.0	6.0	6.3
COMSTOCK (SSDE31)	6.0	8.0	4.7	7.7	7.0	7.7	5.0	4.7	6.3
EMPRESS	6.3	5.7	4.7	8.0	7.3	8.0	5.0	5.7	6.3
VELOCITY (AA-983)	5.3	6.7	4.0	8.7	8.3	7.7	5.3	4.7	6.3
PICK FA 20-92	6.0	5.5	4.3	8.7	7.7	8.0	5.0	5.3	6.3
BAR FA6 US6F	6.0	6.7	4.7	8.0	7.0	7.7	5.0	5.3	6.3
BONSAI 2000 (BULLET)	6.0	7.3	4.3	7.7	7.0	7.3	5.3	5.3	6.3
MB 210	6.7	4.0	4.7	7.7	7.3	8.0	5.7	6.3	6.3
MB 28	5.7	6.0	5.3	7.3	7.7	8.0	5.3	5.0	6.3
PICK FA N-93	6.3	5.7	4.0	7.7	8.7	7.7	5.3	5.0	6.3
PST-5TO	6.7	4.3	5.7	7.7	7.3	7.7	5.3	5.7	6.3
SR 8210	6.0	7.0	5.0	7.7	7.3	7.0	5.0	5.3	6.3
CORONADO GOLD (PST-5RT)	5.7	5.7	5.3	7.3	7.0	8.0	5.3	5.7	6.3
DP 50-9011	6.0	5.3	4.7	8.0	8.0	7.7	5.0	5.3	6.3
EA 41	6.7	5.7	4.3	7.3	7.3	7.7	5.0	6.0	6.3
GENESIS	6.3	6.7	4.3	7.3	7.3	7.7	5.0	5.3	6.3
JTTFA-96	5.7	7.3	5.3	6.3	6.7	7.7	5.7	5.3	6.3
MB 216	5.0	6.0	5.7	7.3	7.3	7.7	5.7	5.3	6.3
CORONADO	5.3	7.0	4.3	7.3	6.3	8.0	5.7	6.0	6.3
ATF-022	6.0	5.5	4.3	7.3	8.3	8.0	5.3	5.0	6.2
AZTEC II (TMI-AZ)	6.3	5.7	4.7	7.7	7.3	7.0	5.3	5.7	6.2
LEPRECHAUN	4.7	7.0	4.7	7.3	7.7	7.7	5.3	5.3	6.2
CHAPEL HILL (TA-7)	5.3	5.7	5.0	7.3	7.0	7.3	5.7	6.3	6.2
REBEL 2000 (AA-989)	5.0	5.7	4.3	7.3	8.0	7.7	5.7	6.0	6.2

TABLE 29.  
(CONT'D)

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS  
1998 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY								MEAN
	AR1	DE1	MO3	NE1	NE2	OK1	SC2	UT1	
SAFARI	6.0	6.3	4.7	7.3	7.3	8.0	5.3	4.7	6.2
WX3-275	5.7	6.0	4.3	7.7	7.7	7.7	5.7	5.0	6.2
PICK FA 6-91	6.0	5.5	4.3	8.3	7.7	7.0	5.0	5.7	6.2
BAR FA6 US2U	6.0	4.7	4.7	8.0	7.3	7.3	5.0	6.3	6.2
OFI-951	6.7	5.7	4.3	7.7	7.0	7.7	5.3	5.0	6.2
WVPB-1D	6.0	6.0	5.0	7.3	7.3	8.0	5.0	4.7	6.2
ATF-020	6.0	4.7	5.0	7.7	8.3	7.7	5.3	4.3	6.1
BRAVO (RG-93)	6.0	6.0	5.0	6.7	6.7	8.0	5.3	5.3	6.1
MB 215	5.7	5.7	5.0	7.7	7.3	7.0	5.3	5.3	6.1
COCHISE II	6.7	5.7	4.7	7.7	6.7	7.7	5.3	4.7	6.1
FINELAWN PETITE	5.3	7.7	4.3	6.7	7.0	7.3	5.0	5.7	6.1
MARKSMAN	6.0	7.0	4.3	7.3	7.3	7.7	5.3	4.0	6.1
TWILIGHT II (TMI-TW)	5.3	6.7	4.3	7.0	6.3	7.7	5.3	6.3	6.1
ARABIA (J-5)	5.7	6.3	4.0	7.3	7.0	7.3	5.7	5.7	6.1
FALCON II	5.3	6.0	5.0	7.3	7.0	7.7	5.0	5.7	6.1
WVPB-1B	5.3	6.7	4.3	7.0	7.3	7.3	5.3	5.3	6.1
TITAN 2	4.7	7.3	4.7	7.3	6.3	8.0	5.3	5.0	6.1
EC-101	6.7	5.0	4.7	7.3	7.3	7.3	5.0	5.0	6.0
ISI-TF9	6.0	5.3	5.0	8.0	7.0	7.3	5.3	4.3	6.0
PICK FA UT-93	6.3	5.0	4.7	7.3	6.7	7.3	5.0	6.0	6.0
AXIOM (ATF-192)	6.3	5.7	4.0	6.0	7.3	7.7	5.7	5.7	6.0
ISI-TF11	5.7	6.0	4.7	7.0	7.3	7.3	5.7	4.7	6.0
JTTFC-96	6.3	6.5	4.3	6.7	7.0	7.3	5.0	5.0	6.0
PSII-TF-9	6.0	5.7	3.7	6.7	7.3	7.3	.	5.3	6.0
SRX 8084	5.7	7.3	4.3	7.0	6.0	7.7	5.0	5.0	6.0
ISI-TF10	5.0	6.7	4.7	7.0	6.3	7.3	5.0	5.7	6.0
GOOD-EN (KOOS 96-14)	5.0	4.5	5.0	7.3	7.7	7.7	5.0	5.3	5.9
BANDANA (PST-R5AE)	5.7	5.7	4.7	6.7	7.3	8.0	5.3	4.0	5.9
BONSAI	5.0	6.3	4.3	8.3	6.3	7.3	5.3	4.3	5.9
EQUINOX (TMI-N91)	5.7	7.3	3.7	6.0	6.3	7.0	5.3	5.7	5.9
KITTY HAWK S.S.T. (SS45DW)	5.3	5.0	4.7	7.7	6.7	7.7	5.0	5.0	5.9
WPEZE (WVPB-1C)	4.7	6.0	4.7	6.3	8.0	7.3	5.3	4.7	5.9
PSII-TF-10	5.3	5.3	4.3	7.7	7.0	7.0	5.7	4.3	5.8
JSC-1	5.3	5.0	4.7	7.0	6.7	7.3	5.0	5.3	5.8
LION	5.3	4.5	4.7	7.0	7.0	7.7	5.0	5.0	5.8
DLF-1	5.0	5.0	3.7	6.7	7.0	7.3	5.7	5.3	5.7
ARID	5.3	7.5	3.7	6.7	4.3	7.3	5.0	5.0	5.6
DP 7952	4.7	6.0	4.0	5.7	6.7	7.3	5.3	4.7	5.5
AV-1	5.3	7.0	3.7	6.0	6.3	6.7	5.0	4.0	5.5
KENTUCKY-31 W/ENDO.	4.3	5.3	2.7	4.0	2.3	6.3	5.0	3.0	4.1
LSD VALUE	1.5	2.7	1.2	1.3	1.3	0.8	0.7	1.6	0.5
C.V. (%)	15.1	25.8	15.8	10.2	10.6	6.4	8.7	18.8	14.5

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

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

TABLE 30. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

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

NAME	AR1	IL1	MO3	NE1	OK1	SC2	MEAN
REMERANDT (LTP-4026 E+)	7.3	7.0	7.0	9.0	8.0	6.0	7.4
SCORPION (ZPS-2PTF)	7.0	6.7	7.3	9.0	8.0	5.7	7.3
SHENANDOAH II (WRS2)	7.0	6.3	8.0	8.3	7.7	6.0	7.2
PST-5M5	6.7	7.0	6.7	9.0	8.0	5.3	7.1
JAGUAR 3	7.7	6.3	7.3	8.0	7.7	5.7	7.1
MASTERPIECE (LTP-SD-TF)	7.0	6.3	7.7	8.7	7.3	5.7	7.1
MB 211	6.7	5.7	7.3	8.7	8.0	6.0	7.1
CU9502T	6.3	6.3	6.7	9.0	8.0	6.0	7.1
BAR FA6 US1	7.0	5.7	7.7	8.3	7.7	5.7	7.0
COYOTE	7.0	6.0	7.0	8.3	8.0	5.7	7.0
MB 213	7.0	6.0	7.3	8.3	7.3	6.0	7.0
PLANTATION (PENNINGTON-1901)	6.3	5.7	7.7	8.3	8.0	6.0	7.0
PICK RT-95	6.0	6.3	8.0	8.0	8.0	5.7	7.0
R5AU	6.7	6.3	7.0	7.7	8.0	6.0	6.9
ARID 3 (J-98)	6.3	6.3	6.7	8.7	7.7	6.0	6.9
BRANDY (J-101)	6.7	5.7	7.3	8.3	7.3	6.0	6.9
MB 210	6.3	5.7	6.7	8.7	8.0	6.0	6.9
MB 214	7.0	5.7	7.3	8.0	7.3	6.0	6.9
MB 26	6.3	5.7	7.7	7.7	7.7	6.3	6.9
MB 29	6.7	5.7	7.0	7.7	8.0	6.3	6.9
ZPS-5LZ	6.7	5.7	7.7	8.3	7.7	5.3	6.9
REBEL SENTRY (AA-A91)	6.3	6.0	6.7	8.7	7.7	6.0	6.9
RED COAT (ATF-038)	7.7	5.0	6.3	8.7	7.7	6.0	6.9
ATF-257	7.0	5.7	6.0	8.7	7.7	6.0	6.8
MILLENNIUM (TMI-RBR)	6.0	6.3	7.0	8.0	7.7	6.0	6.8
PST-523	6.7	6.3	5.7	8.7	8.0	5.7	6.8
BAR FA6D USA	6.0	6.3	7.0	8.3	7.7	5.7	6.8
EMPRESS	5.3	6.7	6.3	9.0	8.0	5.7	6.8
SUNPRO	5.3	6.3	6.7	9.0	8.0	5.7	6.8
ATF-020	6.7	5.7	7.0	7.7	7.7	6.0	6.8
ATF-188	6.7	6.3	5.7	8.7	7.3	6.0	6.8
ATF-196	6.0	5.7	6.0	9.0	8.0	6.0	6.8
GAZELLE	5.3	7.0	6.7	9.0	7.0	5.7	6.8
MB 212	6.3	6.0	6.3	9.0	7.0	6.0	6.8
SHORTSTOP II	5.3	6.3	6.7	9.0	7.3	6.0	6.8
ALAMO E	6.7	6.0	6.0	7.7	8.0	6.0	6.7
ARID 2 (J-3)	7.0	6.0	5.7	8.3	7.3	6.0	6.7
ATF-253	7.3	6.0	5.7	7.7	7.7	6.0	6.7
BONSAI 2000 (BULLET)	6.3	6.7	5.7	8.7	7.3	5.7	6.7
COCHISE II	6.7	5.7	7.0	7.7	7.7	5.7	6.7
MUSTANG II	6.0	6.0	5.3	8.7	8.0	6.3	6.7
SRX 8500	6.3	5.7	5.7	9.0	8.0	5.7	6.7
BAR FA6 US3	6.0	5.3	8.0	7.7	7.7	5.7	6.7
PICK FA XK-95	6.3	6.0	6.3	8.0	8.0	5.7	6.7

TABLE 30.  
(CONT'D)

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS  
1998 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	AR1	IL1	MO3	NE1	OK1	SC2	MEAN
TULSA	6.3	5.7	6.3	8.0	8.0	6.0	6.7
WATCHDOG (PICK FA B-93)	6.0	6.3	6.7	7.3	8.0	6.0	6.7
WOLFPACK (PST-R5TK)	6.0	6.3	6.3	8.0	8.0	5.7	6.7
ANTHEM II (TMI-FMN)	6.3	6.3	6.0	7.7	7.7	6.0	6.7
BANDANA (PST-R5AE)	5.3	6.0	6.7	8.3	8.0	5.7	6.7
ISI-TF9	7.7	5.7	5.7	8.0	7.3	5.7	6.7
LION	6.7	5.7	6.7	7.7	7.7	5.7	6.7
OFI-931	6.0	6.0	6.7	8.0	7.7	5.7	6.7
OLYMPIC GOLD (PST-5E5)	6.3	5.7	6.0	8.7	8.0	5.3	6.7
PICK FA 15-92	6.7	6.0	6.7	7.3	7.3	6.0	6.7
SOUTHERN CHOICE	6.7	5.7	5.3	8.7	8.0	5.3	6.6
CORNADO GOLD (PST-5RT)	7.0	6.0	6.0	7.0	8.0	5.7	6.6
MB 28	5.3	5.0	7.0	8.0	8.0	6.3	6.6
PRO 8430	5.3	6.3	6.3	8.3	7.7	5.7	6.6
PST-5TO	6.7	5.7	6.3	7.7	7.7	5.7	6.6
REBEL 2000 (AA-989)	5.3	5.3	7.0	8.3	7.7	6.0	6.6
ATF-022	6.7	5.0	6.0	8.0	7.7	6.0	6.6
MB 215	6.0	5.0	7.7	7.7	7.0	6.0	6.6
REGIMENT	5.3	6.0	6.0	8.0	8.0	6.0	6.6
OFI-FWY	6.7	5.7	6.7	7.7	7.0	5.3	6.5
CHAPEL HILL (TA-7)	6.0	5.3	6.3	8.0	7.3	6.0	6.5
CROSSFIRE II	5.3	5.7	6.7	8.0	7.7	5.7	6.5
EA 41	5.3	5.7	7.0	8.0	7.7	5.3	6.5
ISI-TF11	6.7	5.3	6.0	7.7	7.3	6.0	6.5
MB 216	5.7	5.3	6.0	8.0	7.7	6.3	6.5
OFI-951	5.3	6.0	6.7	8.0	7.7	5.3	6.5
PICK FA N-93	5.3	6.0	6.7	7.7	7.7	5.7	6.5
TOMAHAWK-E	5.0	6.0	6.0	9.0	7.3	5.7	6.5
PICK FA 20-92	5.0	5.7	6.7	8.0	8.0	5.3	6.4
PICK FA 6-91	5.7	5.3	6.7	8.0	7.0	6.0	6.4
AXICM (ATF-192)	5.7	5.7	6.3	7.3	7.7	6.0	6.4
BAR FA 6LV	5.3	6.0	6.0	8.0	7.7	5.7	6.4
BULLDAWG (PICK GA-96)	6.0	5.7	6.0	8.0	7.3	5.7	6.4
GENESIS	5.3	6.3	6.3	7.3	7.7	5.7	6.4
PIXIE E+	5.3	6.0	5.7	8.0	7.7	6.0	6.4
RESERVE (ATF-182)	6.3	5.7	5.0	8.0	7.7	6.0	6.4
SAFARI	6.0	5.3	5.7	8.0	8.0	5.7	6.4
WVPB-1D	5.7	5.3	5.7	8.3	8.0	5.7	6.4
CORNADO	5.0	6.0	6.0	7.7	8.0	5.7	6.4
CU9501T	5.3	5.3	6.7	7.0	7.7	6.3	6.4
DUSTER	6.0	5.0	6.3	8.0	7.7	5.3	6.4
ISI-TF10	6.7	5.3	6.7	7.3	7.0	5.3	6.4
TITAN 2	6.3	5.3	5.3	7.7	8.0	5.7	6.4
BAR FA6 US2U	6.0	5.7	6.3	7.3	7.3	5.7	6.4
BRAVO (RG-93)	5.7	5.3	6.3	7.3	7.7	6.0	6.4

TABLE 30. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY							
NAME	AR1	IL1	MO3	NE1	OK1	SC2	MEAN
WX3-275	5.3	6.3	6.3	7.0	7.7	5.7	6.4
BAR FA6 US6F	5.3	5.7	6.7	7.3	7.7	5.3	6.3
COMSTOCK (SSDE31)	6.3	4.7	5.7	8.0	7.7	5.7	6.3
PSII-TF-10	5.3	6.0	5.7	8.0	7.3	5.7	6.3
RENEGADE	5.7	5.3	6.0	8.0	7.7	5.3	6.3
SR 8210	6.0	5.7	5.7	8.0	7.0	5.7	6.3
VELOCITY (AA-983)	5.3	5.3	5.3	8.3	7.7	6.0	6.3
APACHE II	5.3	5.3	6.0	8.0	7.7	5.7	6.3
KITTY HAWK S.S.T. (SS45DW)	5.3	6.0	5.3	8.0	7.7	5.7	6.3
SRX 8084	5.3	5.7	5.3	8.3	7.7	5.7	6.3
TAR HEEL	5.3	5.7	6.3	7.3	7.7	5.7	6.3
OFI-96-31	5.0	5.7	6.0	7.3	7.7	6.0	6.3
BAR FA 6D	5.7	5.7	5.0	8.0	7.7	5.7	6.3
DP 50-9011	5.7	5.3	5.3	8.0	7.3	6.0	6.3
EC-101	5.7	5.3	5.3	8.0	7.3	6.0	6.3
FINELAWN PETITE	5.7	5.3	5.7	7.7	7.7	5.7	6.3
OFI-96-32	6.0	5.3	5.3	7.7	7.3	6.0	6.3
PICK FA UT-93	5.7	5.3	6.3	7.7	7.0	5.7	6.3
TWILIGHT II (TMI-TW)	6.0	5.7	5.3	7.3	7.7	5.7	6.3
AZTEC II (TMI-AZ)	5.0	5.7	6.7	7.7	7.0	5.3	6.2
FALCON II	5.0	5.3	5.7	8.3	7.7	5.3	6.2
JTTEC-96	7.0	5.0	4.7	8.0	7.3	5.3	6.2
SHENANDOAH	5.7	5.3	5.7	7.7	7.3	5.7	6.2
WVPB-1B	5.7	5.7	5.0	7.7	7.3	6.0	6.2
GOOD-EN (KOOS 96-14)	5.0	5.3	6.3	7.3	7.7	5.7	6.2
JSC-1	5.7	5.7	5.3	7.3	7.3	6.0	6.2
MARKSMAN	5.3	5.0	5.3	8.3	7.3	6.0	6.2
PEDESTAL (PC-AO)	5.3	5.0	5.3	8.0	7.7	6.0	6.2
PSII-TF-9	6.0	5.3	5.3	7.7	7.3	5.7	6.2
ARABIA (J-5)	5.7	5.0	6.0	7.0	7.3	6.0	6.2
LEPRECHAUN	5.3	5.3	5.3	8.0	7.7	5.3	6.2
EQUINOX (TMI-N91)	6.0	6.0	5.0	6.7	7.0	6.0	6.1
BONSAI	5.0	5.7	5.3	8.0	7.0	5.7	6.1
DLF-1	6.3	5.3	4.7	7.3	7.3	5.7	6.1
WPEZE (WVPB-1C)	5.7	5.3	4.7	8.0	7.3	5.7	6.1
ARID	5.7	4.7	4.7	8.0	7.3	6.0	6.1
JTTEA-96	5.7	4.7	5.7	7.0	7.7	5.3	6.0
DP 7952	4.7	4.3	5.0	7.0	7.3	6.0	5.7
AV-1	5.3	5.0	4.0	7.0	6.7	6.0	5.7
KENTUCKY-31 W/ENDO.	3.7	3.0	2.3	5.0	6.0	5.7	4.3
LSD VALUE	1.7	0.9	1.3	1.1	0.8	2.2	0.6
C.V. (%)	17.5	10.2	13.4	8.9	6.3	23.8	13.6

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 31.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/									
NAME	ME1	MO1	SC2	MEAN	NAME	ME1	MO1	SC2	MEAN
MB 216	78.3	95.7	89.7	87.9	ISI-TF10	65.0	93.3	83.3	80.6
MB 215	73.3	95.0	89.7	86.0	REBEL 2000 (AA-989)	65.0	86.7	89.7	80.4
MUSTANG II	70.0	96.0	91.3	85.8	GENESIS	61.7	92.3	86.7	80.2
TITAN 2	71.7	96.3	88.0	85.3	MB 26	56.7	92.7	91.3	80.2
MB 214	75.0	92.0	88.0	85.0	BRANDY (J-101)	60.0	94.3	86.3	80.2
PIXIE E+	70.0	93.7	91.0	84.9	OFI-96-31	60.0	94.3	86.3	80.2
OFI-931	70.0	94.3	90.0	84.8	KENTUCKY-31 W/ENDO.	56.7	97.0	86.7	80.1
APACHE II	70.0	95.0	88.0	84.3	JSC-1	63.3	91.7	85.0	80.0
COYOTE	75.0	91.0	86.7	84.2	ARID	55.0	95.0	89.7	79.9
MB 210	70.0	92.7	89.7	84.1	PST-523	58.3	94.3	86.7	79.8
RENEGADE	68.3	97.0	86.7	84.0	R5AU	60.0	94.3	85.0	79.8
COMSTOCK (SSDE31)	66.7	95.0	89.7	83.8	RESERVE (ATF-182)	60.0	91.0	88.0	79.7
FINELAWN PETITE	68.3	96.0	86.7	83.7	SRX 8084	56.7	95.7	86.7	79.7
SOUTHERN CHOICE	65.0	96.0	90.0	83.7	BRAVO (RG-93)	58.3	97.0	83.3	79.6
CU9501T	65.0	92.0	93.0	83.3	PST-5M5	66.7	93.3	78.3	79.4
TOMAHAWK-E	80.0	88.3	81.7	83.3	SHENANDOAH	56.7	93.3	88.0	79.3
CHAPEL HILL (TA-7)	66.7	95.0	88.0	83.2	GAZELLE	61.7	89.0	86.7	79.1
MARKSMAN	66.7	96.0	86.7	83.1	REGIMENT	53.3	93.7	90.0	79.0
WATCHDOG (PICK FA B-93)	66.7	94.3	88.3	83.1	WX3-275	63.3	90.0	83.3	78.9
OLYMPIC GOLD (PST-5E5)	70.0	95.3	83.3	82.9	CU9502T	61.7	90.0	85.0	78.9
MB 29	66.7	93.3	88.3	82.8	AV-1	56.7	95.0	84.7	78.8
ARID 3 (J-98)	76.7	85.0	86.3	82.7	ZPS-5LZ	66.7	89.3	80.0	78.7
MILLENNIUM (TMI-RBR)	65.0	94.3	88.0	82.4	BAR FA 6D	53.3	95.0	86.7	78.3
CROSSFIRE II	68.3	93.3	85.0	82.2	ISI-TF9	60.0	93.3	81.7	78.3
REMBRANDT (LTP-4026 E+)	60.0	93.7	92.7	82.1	LION	61.7	91.7	81.7	78.3
MB 213	66.7	91.7	88.0	82.1	BAR FA6D USA	60.0	88.0	86.7	78.2
OFI-FWY	65.0	94.3	86.7	82.0	LEPRECHAUN	56.7	91.7	86.3	78.2
SAFARI	58.3	96.0	91.7	82.0	CORONADO	53.3	92.7	88.0	78.0
MB 212	63.3	94.3	88.0	81.9	BAR FA 6LV	56.7	93.7	83.3	77.9
DUSTER	68.3	92.0	85.0	81.8	BONSAI 2000 (BULLET)	51.7	93.7	88.0	77.8
ATF-020	63.3	93.3	88.0	81.6	JAGUAR 3	63.3	90.0	80.0	77.8
DLF-1	60.0	93.7	91.0	81.6	ATF-188	50.0	93.3	89.7	77.7
EC-101	65.0	94.7	85.0	81.6	AZTEC II (TMI-AZ)	51.7	91.7	89.7	77.7
ATF-257	66.7	91.0	86.7	81.4	EQUINOX (TMI-N91)	50.0	95.0	88.0	77.7
PLANTATION (PENNINGTON-1901)	60.0	96.0	88.0	81.3	JTTFA-96	50.0	96.3	86.7	77.7
ATF-022	66.7	90.7	86.3	81.2	TAR HEEL	53.3	89.3	90.0	77.6
GOOD-EN (KOOS 96-14)	56.7	95.3	91.3	81.1	SHENANDOAH II (WRS2)	53.3	92.7	85.0	77.0
MB 28	61.7	95.0	86.7	81.1	REBEL SENTRY (AA-A91)	55.0	92.7	83.0	76.9
JTTFC-96	66.7	96.3	80.0	81.0	BONSAI	53.3	93.3	83.3	76.7
MB 211	63.3	91.7	88.0	81.0	TULSA	53.3	90.0	86.7	76.7
WVPB-1B	63.3	94.7	84.7	80.9	VELOCITY (AA-983)	56.7	85.0	88.0	76.6
FALCON II	60.0	95.7	86.7	80.8	ANTHEM II (TMI-FMN)	51.7	92.7	84.7	76.3
PRO 8430	63.3	94.0	85.0	80.8	WPEZE (WVPB-1C)	46.7	95.3	86.7	76.2
BULLDAWG (PICK GA-96)	61.7	92.3	88.3	80.8	ATF-253	55.0	88.3	85.0	76.1
KITTY HAWK S.S.T. (SS45DW)	56.7	93.7	91.3	80.6	BAR FA6 US6F	55.0	93.3	80.0	76.1

TABLE 31. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS				
NAME	MEL	MO1	SC2	MEAN
PSII-TF-9	46.7	95.0	86.7	76.1
WVPB-1D	46.7	96.0	85.0	75.9
BAR FA6 US2U	53.3	89.0	85.0	75.8
BAR FA6 US3	56.7	90.0	80.0	75.6
CORONADO GOLD (PST-5RT)	55.0	90.0	81.7	75.6
EMPRESS	51.7	91.7	83.3	75.6
ISI-TF11	48.3	95.0	83.3	75.6
MASTERPIECE (LTP-SD-TF)	48.3	91.7	86.7	75.6
PICK FA 20-92	56.7	90.0	80.0	75.6
PICK RT-95	53.3	91.7	81.7	75.6
BAR FA6 US1	51.7	94.3	80.0	75.3
OFT-96-32	45.0	95.3	85.0	75.1
PEDESTAL (PC-AO)	43.3	93.3	88.3	75.0
ALAMO E	41.7	95.0	88.0	74.9
BANDANA (PST-R5AE)	41.7	96.0	86.7	74.8
RED COAT (ATF-038)	50.0	86.3	88.0	74.8
SUNPRO	53.3	89.0	81.7	74.7
EA 41	50.0	91.7	81.7	74.4
PSII-TF-10	46.7	91.7	85.0	74.4
SRX 8500	53.3	90.0	80.0	74.4
ARABIA (J-5)	51.7	88.3	83.0	74.3
SR 8210	45.0	94.3	83.3	74.2
WOLFPACK (PST-R5TK)	45.0	91.7	85.0	73.9
AXIOM (ATF-192)	46.7	91.7	83.0	73.8
SCORPION (ZPS-2PTF)	43.3	92.7	85.0	73.7
DP 50-9011	46.7	90.7	83.0	73.4
DP 7952	38.3	93.7	88.0	73.3
TWILIGHT II (IMI-TW)	40.0	91.7	88.3	73.3
PICK FA 6-91	46.7	88.0	84.7	73.1
OFT-951	41.7	89.0	88.0	72.9
ARID 2 (J-3)	50.0	82.3	86.3	72.9
PST-5TO	41.7	92.7	83.3	72.6
PICK FA 15-92	40.0	89.0	84.7	71.2
COCHISE II	35.0	91.7	86.7	71.1
PICK FA N-93	38.3	86.7	81.7	68.9
ATF-196	31.7	91.0	83.0	68.6
SHORTSTOP II	23.3	88.3	86.3	66.0
PICK FA XK-95	30.0	89.0	78.3	65.8
PICK FA UT-93	25.0	88.3	83.3	65.6
LSD VALUE	23.2	5.4	16.4	9.6
C.V. (%)	25.4	3.7	11.8	13.2

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

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

TABLE 32. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AR1	DE1	GA1	ME1	MO1	MO3	OK1	SC2	MEAN
ATF-257	76.3	89.7	81.3	88.3	96.0	99.0	91.3	63.3	85.7
PLANTATION (PENNINGTON-1901)	63.3	88.3	76.7	85.0	98.7	99.0	96.7	76.7	85.5
R5AU	80.0	88.3	75.0	80.0	98.7	99.0	91.3	70.0	85.3
JAGUAR 3	93.3	90.0	71.7	78.3	97.7	99.0	94.7	56.7	85.2
MUSTANG II	78.3	89.7	68.3	80.0	99.0	91.0	94.7	80.0	85.1
RED COAT (ATF-038)	91.7	93.3	66.7	75.0	93.3	99.0	91.3	70.0	85.0
MILLENNIUM (TMI-RBR)	61.7	91.3	80.0	90.0	97.0	99.0	95.3	63.3	84.7
CORONADO GOLD (PST-5RT)	93.3	81.3	73.3	76.7	96.7	99.0	93.0	63.3	84.6
MB 213	86.7	85.3	65.0	80.0	96.3	99.0	94.3	70.0	84.6
REMBRANDT (LTP-4026 E+)	68.3	91.3	76.7	81.7	97.3	91.3	96.0	73.3	84.5
MB 212	75.0	94.0	55.0	88.3	96.3	99.0	96.0	70.0	84.2
ISI-TF9	91.3	90.0	57.5	80.0	98.0	99.0	98.3	56.7	83.9
ISI-TF11	83.3	91.7	51.7	86.7	98.0	99.0	96.0	63.3	83.7
COYOTE	85.0	69.5	60.0	93.3	95.7	99.0	96.0	70.0	83.6
JTTFA-96	78.3	91.7	65.0	75.0	98.3	99.0	97.7	63.3	83.5
RESERVE (ATF-182)	73.3	75.7	85.0	78.3	97.3	96.0	92.7	70.0	83.5
OLYMPIC GOLD (PST-5E5)	56.7	94.0	75.0	81.7	98.3	99.0	94.3	66.7	83.2
TULSA	75.0	85.7	84.5	71.7	96.7	99.0	89.3	63.3	83.1
COCHISE II	78.3	86.7	65.0	76.7	97.7	99.0	89.3	70.0	82.8
TITAN 2	68.3	96.3	63.3	88.3	98.7	99.0	91.0	56.7	82.7
MB 29	78.0	77.3	62.5	86.7	98.7	99.0	88.0	70.0	82.5
MB 210	58.3	96.5	51.7	91.7	97.3	99.0	95.3	70.0	82.5
SHENANDOAH II (WRS2)	70.0	92.3	61.7	71.7	97.3	99.0	94.3	73.3	82.5
MB 211	81.7	82.7	53.3	76.7	98.3	99.0	97.7	70.0	82.4
MB 28	63.3	91.0	60.0	83.3	97.7	99.0	97.7	66.7	82.3
JTTFC-96	83.3	90.0	58.3	78.3	98.3	96.0	96.3	56.7	82.2
CHAPEL HILL (TA-7)	76.7	85.0	53.3	85.0	98.3	99.0	92.7	66.7	82.1
FINELAWN PETITE	75.0	87.3	58.3	86.7	99.0	89.3	97.7	63.3	82.1
RENEGADE	43.3	87.7	71.7	91.7	98.3	99.0	98.3	66.7	82.1
SAFARI	50.0	90.3	65.0	83.3	97.3	99.0	98.3	70.0	81.7
CU9501T	51.7	91.0	71.7	81.7	98.0	99.0	89.3	70.0	81.5
WATCHDOG (PICK FA B-93)	65.0	81.7	50.0	90.0	97.3	99.0	96.0	73.3	81.5
AXIOM (ATF-192)	76.3	87.7	62.5	76.7	97.0	99.0	89.7	63.3	81.5
ATF-020	83.3	70.0	66.7	81.7	97.3	99.0	89.7	63.3	81.4
PRO 8430	70.0	89.7	60.0	75.0	98.3	96.0	94.7	66.7	81.3
SOUTHERN CHOICE	65.0	90.7	60.0	80.0	97.7	99.0	86.3	70.0	81.1
DLF-1	66.7	91.0	46.7	81.7	99.0	96.0	97.7	70.0	81.1
LION	93.3	85.0	56.7	66.7	98.3	99.0	93.0	56.7	81.1
MB 215	71.7	85.3	60.0	80.0	96.3	99.0	93.0	63.3	81.1
COMSTOCK (SSDE31)	90.0	80.0	48.3	85.0	96.7	99.0	92.7	56.7	81.0
MASTERPIECE (LTP-SD-TF)	78.3	87.5	72.5	66.7	97.7	99.0	90.0	56.7	81.0
OPI-FWY	66.7	85.0	58.3	78.3	98.3	99.0	92.7	70.0	81.0
PSII-TF-9	53.3	85.7	65.0	75.0	98.7	94.7	94.7	.	81.0
APACHE II	66.7	85.0	50.0	88.3	99.0	99.0	93.0	66.7	81.0
ANTHEM II (TMI-FMN)	65.0	76.0	77.5	73.3	97.0	99.0	96.0	63.3	80.9

TABLE 32. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS									
NAME	AR1	DE1	GA1	ME1	MO1	MO3	OK1	SC2	MEAN
PIXIE E+	45.0	86.0	63.3	85.0	98.0	99.0	97.0	73.3	80.8
ATF-022	68.3	67.5	75.0	86.7	94.7	96.0	91.3	66.7	80.8
WOLFPACK (PST-R5TK)	71.7	71.3	85.0	60.0	96.3	99.0	96.0	66.7	80.8
MB 216	58.3	81.7	56.7	91.7	99.0	99.0	96.0	63.3	80.7
PST-5TO	68.0	85.3	70.0	66.7	98.0	99.0	91.3	66.7	80.6
ATF-253	63.3	76.3	71.3	80.0	95.7	99.0	89.0	70.0	80.6
EQUINOX (TMI-N91)	53.0	86.3	68.3	81.7	98.3	99.0	97.7	60.0	80.5
SHENANDOAH	65.0	94.3	60.0	80.0	98.0	99.0	91.3	56.7	80.5
CROSSFIRE II	48.3	89.3	68.3	83.3	98.7	99.0	92.7	63.3	80.4
PST-5M5	66.7	79.0	61.7	78.3	98.3	99.0	98.7	60.0	80.2
REBEL SENTRY (AA-A91)	58.3	90.0	75.0	71.7	98.0	99.0	86.0	63.3	80.2
PICK FA 6-91	70.0	87.5	58.3	76.7	95.7	97.7	88.0	66.7	80.1
ALAMO E	75.0	85.0	56.7	68.3	98.7	99.0	94.3	63.3	80.0
OFI-931	56.7	85.0	50.0	90.0	96.3	99.0	93.0	70.0	80.0
GENESIS	61.7	85.0	55.0	85.0	98.7	99.0	94.7	60.0	79.9
EA 41	75.0	86.0	55.0	70.0	98.7	97.7	95.3	60.0	79.7
WVPB-1D	58.3	88.3	68.3	66.7	97.7	99.0	96.0	63.3	79.7
KITTY HAWK S.S.T. (SS45DW)	48.3	96.0	58.3	86.7	97.0	99.0	88.7	63.3	79.7
TWILIGHT II (TMI-TW)	48.3	86.0	83.3	61.7	98.3	99.0	97.0	63.3	79.6
TAR HEEL	58.3	87.7	70.0	68.3	95.7	99.0	83.0	73.3	79.4
BRANDY (J-101)	78.3	86.0	50.0	85.0	98.0	99.0	78.7	60.0	79.4
DP 7952	78.3	81.0	45.0	75.0	97.7	99.0	91.3	66.7	79.3
WX3-275	56.7	72.0	62.5	76.7	98.0	97.7	97.0	73.3	79.2
ATF-196	78.3	78.3	73.3	56.7	95.0	99.0	89.7	63.3	79.2
CU9502T	56.7	92.0	58.3	83.3	97.3	99.0	83.3	63.3	79.2
ISI-TF10	61.7	87.0	50.0	86.7	97.7	99.0	94.3	56.7	79.1
ARID 2 (J-3)	63.3	92.0	75.0	73.3	91.7	99.0	73.3	63.3	78.9
JSC-1	63.3	87.3	58.3	78.3	94.7	99.0	90.0	60.0	78.9
MARKSMAN	50.0	90.0	56.7	86.7	99.0	99.0	89.7	60.0	78.9
REBEL 2000 (AA-989)	36.7	87.3	70.0	88.3	93.3	91.0	93.3	70.0	78.8
ARID 3 (J-98)	63.3	85.0	60.0	76.7	94.0	99.0	88.0	63.3	78.7
MB 214	66.7	85.0	48.3	81.7	97.0	99.0	85.0	66.7	78.7
OFI-96-31	53.3	92.7	50.0	85.0	98.7	96.0	93.0	60.0	78.6
MB 26	68.3	75.0	42.5	85.0	96.0	99.0	92.7	70.0	78.6
GOOD-EN (KOOS 96-14)	55.0	90.0	43.3	80.0	98.3	99.0	95.3	66.7	78.5
ATF-188	58.3	93.3	51.7	71.7	98.3	99.0	88.0	66.7	78.4
VELOCITY (AA-983)	61.7	84.7	75.0	76.7	93.3	88.0	84.0	63.3	78.3
ZPS-5LZ	60.0	76.7	51.7	91.7	97.0	99.0	86.7	63.3	78.3
OFI-96-32	60.0	82.5	60.0	68.3	98.0	99.0	94.7	63.3	78.2
SRX 8084	55.0	85.0	60.0	78.3	98.0	94.3	88.0	66.7	78.2
CORONADO	53.3	67.0	71.7	75.0	97.7	99.0	88.0	73.3	78.1
BULLDAWG (PICK GA-96)	53.3	81.0	56.7	78.3	97.3	99.0	92.7	66.7	78.1
ARID	68.3	76.0	70.0	76.7	99.0	92.7	85.3	56.7	78.1
BONSAI 2000 (BULLET)	53.3	76.7	65.0	71.7	97.3	99.0	91.3	70.0	78.0
BAR FA6 US1	58.3	90.0	41.7	83.3	97.3	99.0	93.3	60.0	77.9

TABLE 32. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS									
NAME	AR1	DE1	GA1	ME1	MO1	MO3	OK1	SC2	MEAN
PICK FA N-93	70.0	94.7	50.0	70.0	94.3	94.3	89.3	60.0	77.8
EMPRESS	61.7	89.7	62.5	63.3	97.0	97.7	90.7	60.0	77.8
OFI-951	61.7	83.3	60.0	56.7	97.3	99.0	94.3	70.0	77.8
WPEZE (WVPB-1C)	40.0	90.7	53.3	83.3	97.7	99.0	91.3	66.7	77.8
PST-523	43.3	76.7	58.3	81.7	98.3	99.0	97.7	66.7	77.7
EC-101	51.7	84.0	58.3	78.3	98.3	99.0	91.7	60.0	77.7
AZTEC II (TMI-AZ)	43.3	79.3	72.7	68.3	96.3	99.0	97.7	63.3	77.5
REGIMENT	36.7	92.0	67.5	75.0	98.0	99.0	91.3	60.0	77.4
TOMAHAWK-E	53.3	88.3	50.0	93.3	94.3	91.0	78.3	70.0	77.3
BONSAI	46.7	93.3	60.0	70.0	98.0	94.3	92.7	63.3	77.3
BRAVO (RG-93)	53.3	87.7	58.3	78.3	97.7	99.0	84.0	60.0	77.3
WVPB-1B	60.0	78.3	60.0	75.0	99.0	99.0	86.0	60.0	77.2
DUSTER	48.3	71.7	56.7	83.3	96.3	99.0	94.7	66.7	77.1
KENTUCKY-31 W/ENDO.	63.3	89.3	63.3	78.3	99.0	70.0	89.3	63.3	77.0
SR 8210	71.7	84.3	46.7	65.0	98.0	99.0	91.3	60.0	77.0
LEPRECHAUN	71.7	78.3	63.3	66.7	97.3	91.7	83.3	63.3	77.0
ARABIA (J-5)	68.3	86.7	43.3	71.7	94.0	89.3	97.7	63.3	76.8
BAR FA6 US2U	50.0	91.7	46.7	80.0	96.3	99.0	90.7	60.0	76.8
DP 50-9011	60.0	91.7	55.0	73.3	95.7	99.0	83.0	56.7	76.8
SCORPION (ZPS-2PTF)	55.0	73.3	70.0	68.3	98.7	99.0	89.3	60.0	76.7
PSII-TF-10	75.0	85.3	43.3	70.0	97.7	99.0	78.0	63.3	76.5
PICK RT-95	51.7	89.0	58.3	70.0	97.0	99.0	86.3	60.0	76.4
FALCON II	36.7	89.7	61.7	76.7	98.3	99.0	78.7	70.0	76.3
SUNPRO	50.0	83.3	51.7	78.3	96.0	99.0	93.3	56.7	76.0
BANDANA (PST-R5AE)	45.0	93.7	51.7	53.3	98.3	99.0	98.3	66.7	75.8
BAR FA6D USA	45.0	83.3	55.0	80.0	95.0	96.0	94.7	56.7	75.7
PICK FA 15-92	66.7	90.7	55.0	61.7	96.0	99.0	73.0	63.3	75.7
BAR FA6 US6F	30.0	89.0	56.7	76.7	96.3	96.0	96.3	63.3	75.5
SRX 8500	51.7	72.3	51.7	80.0	97.7	99.0	89.7	60.0	75.3
PICK FA 20-92	48.3	82.5	57.5	80.0	97.0	97.7	85.0	53.3	75.2
BAR FA 6LV	35.0	87.3	67.5	78.3	98.0	91.0	83.3	60.0	75.1
BAR FA 6D	51.7	77.5	50.0	70.0	97.0	93.0	96.3	63.3	74.9
BAR FA6 US3	45.0	89.3	30.0	75.0	96.7	99.0	98.3	60.0	74.2
GAZELLE	26.7	76.7	56.7	71.7	96.7	96.0	85.0	70.0	72.4
PICK FA XK-95	58.3	65.0	56.7	58.3	95.7	96.0	91.3	56.7	72.3
PEDESTAL (PC-AO)	36.7	79.0	45.0	66.7	98.0	99.0	89.7	56.7	71.3
AV-1	50.0	88.0	58.3	56.7	98.3	78.3	80.0	60.0	71.2
PICK FA UT-93	60.0	84.7	40.0	56.7	93.7	99.0	75.3	60.0	71.2
SHORTSTOP II	46.7	78.3	35.0	51.7	96.0	99.0	89.3	60.0	69.5
LSD VALUE	37.4	21.6	29.3	19.6	2.9	6.8	20.0	17.1	7.6
C.V. (%)	37.2	15.3	28.2	15.8	1.8	4.3	13.6	16.5	16.8

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

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

TABLE 33. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AR1	DE1	GA1	MO1	MO3	NJ2	OK1	SC2	MEAN
ATF-257	94.3	90.0	97.7	97.7	99.0	81.7	97.7	83.0	92.6
MUSTANG II	96.3	88.3	95.0	99.0	94.3	76.7	98.3	86.7	91.8
MASTERPIECE (LTP-SD-TF)	93.3	87.5	99.0	98.7	99.0	73.3	99.0	81.7	91.4
REMBRANDT (LTP-4026 E+)	90.0	88.3	89.7	98.7	97.7	80.0	99.0	84.7	91.0
JTTFA-96	94.7	91.7	99.0	99.0	99.0	71.7	98.3	73.3	90.8
ATF-253	96.3	85.0	92.7	96.3	99.0	75.0	98.0	83.3	90.7
BRAVO (RG-93)	85.0	91.7	97.7	99.0	99.0	76.7	96.0	80.0	90.6
MILLENNIUM (TMI-RBR)	84.7	85.7	99.0	98.7	99.0	76.7	98.7	81.7	90.5
PIXIE E+	89.7	90.5	87.7	99.0	99.0	76.7	98.3	83.0	90.5
R5AU	90.0	86.7	99.0	99.0	99.0	71.7	97.0	81.3	90.5
CORONADO GOLD (PST-5RT)	96.0	76.7	99.0	97.7	99.0	78.3	98.3	78.3	90.4
ISI-TF11	97.7	88.3	85.0	99.0	99.0	75.0	97.7	81.7	90.4
PLANTATION (HENNINGTON-1901)	91.3	81.7	99.0	99.0	99.0	70.0	98.3	84.7	90.4
TWILIGHT II (TMI-TW)	91.3	87.3	94.7	99.0	99.0	75.0	98.3	78.3	90.4
ARID 2 (J-3)	93.0	86.7	94.5	94.3	99.0	75.0	97.0	83.3	90.4
PST-523	90.0	90.0	91.0	98.7	99.0	73.3	99.0	81.7	90.3
SCORPION (ZPS-2PTF)	91.7	88.3	94.7	99.0	99.0	73.3	98.0	78.3	90.3
ATF-022	88.3	90.0	99.0	96.0	99.0	73.3	97.0	79.7	90.3
COCHISE II	94.7	83.3	94.5	99.0	99.0	76.7	98.3	76.7	90.3
TAR HEEL	89.7	86.7	93.0	95.7	99.0	76.7	97.7	83.3	90.2
OLYMPIC GOLD (PST-5E5)	91.3	90.0	94.5	99.0	99.0	70.0	99.0	78.3	90.1
JAGUAR 3	97.7	83.3	94.7	99.0	99.0	71.7	98.3	76.7	90.0
TITAN 2	96.3	81.7	89.3	99.0	99.0	78.3	98.3	78.3	90.0
SHENANDOAH II (WRS2)	91.3	83.3	94.7	97.7	99.0	75.0	99.0	80.0	90.0
ATF-188	93.0	85.0	86.7	99.0	99.0	76.7	98.3	81.7	89.9
WOLFPACK (PST-R5TK)	95.0	76.7	99.0	97.3	99.0	75.0	99.0	78.3	89.9
WVPB-1D	86.7	89.3	97.7	97.7	99.0	73.3	98.3	76.7	89.8
ISI-TF9	99.0	88.0	82.5	98.3	99.0	73.3	98.3	80.0	89.8
CU9501T	91.7	82.3	88.0	99.0	99.0	73.3	98.3	86.3	89.8
TULSA	90.0	83.3	94.5	98.7	99.0	76.7	97.7	78.0	89.7
RESERVE (ATF-182)	93.0	73.3	99.0	97.7	97.7	78.3	98.3	80.0	89.7
PST-5M5	94.7	88.3	89.7	99.0	99.0	70.0	99.0	76.7	89.5
SAFARI	86.7	88.3	94.7	98.7	99.0	71.7	99.0	78.3	89.5
BRANDY (J-101)	93.3	83.3	88.0	98.7	99.0	76.7	97.7	79.7	89.5
SHENANDOAH	91.3	88.3	92.5	99.0	99.0	71.7	97.7	76.7	89.5
MB 211	96.3	83.3	91.3	99.0	99.0	70.0	98.3	78.3	89.5
AXIOM (ATF-192)	89.7	91.3	87.5	97.7	99.0	71.7	96.3	81.7	89.4
FINELAWN PETITE	93.3	85.0	94.7	99.0	99.0	66.7	98.3	78.3	89.3
MB 213	97.7	81.7	83.3	98.3	99.0	76.7	96.3	81.3	89.3
CHAPEL HILL (TA-7)	91.3	81.7	93.0	99.0	99.0	70.0	98.3	81.7	89.3
PST-5TO	93.0	78.3	92.5	99.0	99.0	73.3	98.3	80.0	89.2
CROSSFIRE II	80.0	83.3	91.3	99.0	99.0	81.7	98.3	80.0	89.1
COYOTE	94.7	77.5	88.0	97.3	99.0	78.3	99.0	78.3	89.0
ALAMO E	91.3	68.3	93.0	99.0	99.0	80.0	98.3	83.0	89.0
REBEL SENTRY (AA-A91)	89.7	78.3	94.3	99.0	99.0	73.3	98.3	79.7	89.0

TABLE 33. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	AR1	DE1	GA1	MO1	MO3	NJ2	OK1	SC2	MEAN
PRO 8430	88.3	81.7	93.0	99.0	99.0	71.7	98.7	80.0	88.9
OFI-931	78.3	88.3	91.7	98.0	99.0	76.7	99.0	80.0	88.9
EQUINOX (TMI-N91)	83.0	78.3	94.7	99.0	99.0	76.7	98.3	81.7	88.8
ARID	93.0	90.0	87.7	99.0	96.0	68.3	94.7	81.7	88.8
PICK RT-95	81.7	88.3	93.0	97.7	99.0	75.0	98.3	76.7	88.7
OFI-FWY	91.7	83.3	86.3	98.7	99.0	73.3	98.3	78.3	88.6
SRX 8084	90.0	93.0	83.0	98.7	97.7	70.0	98.3	78.3	88.6
ANTHEM II (TMI-FMN)	88.3	80.0	92.5	98.7	99.0	70.0	98.7	81.7	88.6
WATCHDOG (PICK FA B-93)	88.0	80.0	86.3	98.7	99.0	73.3	98.3	85.0	88.6
MB 215	91.7	83.3	89.7	98.7	99.0	70.0	97.7	78.3	88.5
ATF-020	95.0	81.7	81.7	97.7	99.0	73.3	97.7	81.3	88.4
APACHE II	89.7	83.3	84.5	99.0	99.0	75.0	98.3	78.3	88.4
WVPB-1B	84.7	85.0	97.0	99.0	99.0	68.3	97.3	76.7	88.4
RED COAT (ATF-038)	94.7	86.7	84.7	93.3	99.0	68.3	97.7	81.3	88.2
MB 28	86.7	82.5	90.0	99.0	99.0	71.7	98.3	78.3	88.2
RENEGADE	86.7	91.7	89.7	99.0	99.0	65.0	98.7	75.0	88.1
MB 212	90.0	81.7	93.0	96.3	99.0	68.3	97.7	78.3	88.0
DLF-1	87.7	78.3	89.7	99.0	99.0	71.7	98.7	80.0	88.0
PSII-TF-9	88.3	78.3	88.0	99.0	99.0	73.3	98.0	80.0	88.0
REGIMENT	83.3	85.0	89.5	98.3	99.0	75.0	96.7	76.7	87.9
CORONADO	83.3	68.3	94.7	97.7	99.0	78.3	98.3	83.3	87.9
EMPRESS	81.7	90.0	80.0	97.3	99.0	73.3	99.0	81.7	87.8
JTTFC-96	94.7	80.0	91.7	98.7	97.7	68.3	99.0	71.7	87.7
PICK FA 6-91	93.0	85.0	87.7	96.3	99.0	68.3	97.3	75.0	87.7
BONSAI 2000 (BULLET)	66.3	86.7	96.0	98.7	99.0	76.7	97.7	80.0	87.6
CU9502T	81.7	84.7	88.0	99.0	99.0	70.0	99.0	79.7	87.6
MB 214	91.7	90.0	80.0	97.7	99.0	63.3	97.0	81.7	87.5
BONSAI	86.7	88.3	77.5	99.0	99.0	73.3	99.0	76.7	87.4
KITTY HAWK S.S.T. (SS45DW)	78.3	83.3	81.7	97.7	99.0	81.7	99.0	78.3	87.4
ISI-TF10	93.0	83.3	86.7	98.3	99.0	65.0	98.3	75.0	87.3
MB 216	90.0	79.0	91.3	99.0	99.0	61.7	98.3	80.0	87.3
MB 29	93.0	81.7	84.5	99.0	99.0	70.0	97.7	73.3	87.3
SR 8210	91.7	80.0	80.0	99.0	99.0	75.0	98.0	75.0	87.2
BULLDAWG (PICK GA-96)	80.0	86.7	84.7	98.7	99.0	70.0	98.3	80.0	87.2
DP 7952	95.0	88.3	66.7	98.7	99.0	71.7	94.7	83.0	87.1
EC-101	88.0	80.0	88.0	99.0	99.0	65.0	98.0	80.0	87.1
BAR FA 6D	81.7	85.0	94.5	97.7	97.7	71.7	97.7	70.0	87.0
ARABIA (J-5)	88.3	88.3	80.0	95.7	96.0	71.7	97.3	78.3	87.0
JSC-1	92.7	78.3	87.7	96.0	99.0	66.7	97.0	78.3	87.0
OFI-96-31	85.0	77.3	90.0	99.0	99.0	70.0	99.0	75.0	86.8
COMSTOCK (SSDE31)	97.7	70.0	83.3	98.7	99.0	73.3	97.0	75.0	86.8
FALCON II	76.7	78.3	96.0	99.0	99.0	71.7	98.3	75.0	86.8
EA 41	89.7	85.0	75.0	99.0	99.0	73.3	99.0	73.3	86.7
SOUTHERN CHOICE	89.7	83.0	88.0	99.0	99.0	61.7	97.7	75.0	86.6
AZTEC II (TMI-AZ)	70.0	85.0	89.7	96.3	99.0	75.0	97.7	80.0	86.6

TABLE 33. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	AR1	DE1	GA1	MO1	MO3	NJ2	OK1	SC2	MEAN
GENESIS	86.7	73.3	93.0	99.0	99.0	66.7	98.3	76.7	86.6
SUNPRO	80.0	91.7	78.3	97.3	99.0	71.7	97.7	76.7	86.5
DUSTER	81.7	83.3	85.0	98.0	99.0	70.0	98.3	76.7	86.5
PSII-TF-10	93.0	78.3	79.7	97.7	99.0	68.3	97.7	78.3	86.5
OFI-951	86.7	70.0	87.5	99.0	99.0	73.3	97.7	78.3	86.4
BAR FA 6LV	78.3	83.3	94.5	99.0	96.0	71.7	97.0	71.7	86.4
REBEL 2000 (AA-989)	83.3	70.0	97.0	96.0	97.7	70.0	97.7	79.7	86.4
MARKSMAN	80.0	81.7	91.0	99.0	99.0	66.7	95.3	78.3	86.4
ARID 3 (J-98)	86.7	66.7	89.5	97.3	99.0	75.0	96.7	79.7	86.3
ATF-196	93.0	86.7	63.0	96.3	99.0	76.7	97.0	78.3	86.3
GAZELLE	76.7	78.3	81.7	98.3	96.0	81.7	97.0	80.0	86.2
MB 26	86.7	85.0	75.0	97.0	99.0	71.7	97.7	76.7	86.1
BANDANA (PST-R5AE)	83.0	80.0	78.3	99.0	99.0	71.7	99.0	78.3	86.0
ZPS-5LZ	91.3	75.0	81.7	97.7	99.0	70.0	98.3	75.0	86.0
LION	99.0	65.0	81.7	99.0	99.0	70.0	99.0	75.0	86.0
PICK FA 15-92	89.7	81.7	75.0	96.3	99.0	73.3	94.0	78.3	85.9
LEPRECHAUN	88.3	80.0	90.0	98.7	97.7	56.7	97.3	78.3	85.9
OFI-96-32	91.7	80.0	68.0	98.7	99.0	70.0	97.7	81.7	85.8
PEDESTAL (PC-AO)	86.7	85.0	73.3	99.0	99.0	71.7	95.3	76.7	85.8
WX3-275	73.3	73.3	92.5	98.7	99.0	73.3	97.7	78.3	85.8
MB 210	94.7	65.0	83.3	98.3	99.0	66.7	98.3	78.3	85.5
DP 50-9011	88.0	78.3	82.5	97.3	99.0	61.7	98.0	76.7	85.2
BAR FA6 US6F	78.3	88.3	83.3	97.3	99.0	65.0	98.3	71.7	85.2
VELOCITY (AA-983)	88.0	73.3	92.0	96.0	93.0	66.7	96.0	75.0	85.0
GOOD-EN (KOOS 96-14)	85.0	80.0	76.3	99.0	99.0	66.7	98.0	75.0	84.9
BAR FA6D USA	80.0	80.0	87.5	94.3	99.0	65.0	97.7	75.0	84.8
WPEZE (WVPB-1C)	76.7	70.0	88.0	97.7	99.0	68.3	97.3	76.7	84.2
PICK FA UT-93	85.0	76.7	70.0	97.3	99.0	70.0	98.0	75.0	83.9
PICK FA XK-95	76.7	77.3	83.3	97.3	97.7	66.7	97.0	75.0	83.9
SRX 8500	73.3	78.3	76.7	98.7	99.0	71.7	97.7	73.3	83.6
TOMAHAWK-E	75.0	75.0	90.0	96.0	99.0	61.7	97.7	73.3	83.5
BAR FA6 US2U	90.0	83.3	73.3	97.3	99.0	53.3	97.7	73.3	83.4
KENTUCKY-31 W/ENDO.	91.3	81.7	91.7	99.0	80.0	53.3	91.7	78.3	83.4
PICK FA 20-92	63.3	72.5	87.5	98.3	99.0	73.3	97.7	66.7	82.3
PICK FA N-93	78.3	73.3	68.3	96.0	99.0	70.0	97.7	73.3	82.0
AV-1	84.7	73.3	75.0	99.0	88.3	61.7	94.0	78.3	81.8
BAR FA6 US3	81.7	86.7	52.5	97.7	99.0	63.3	99.0	71.7	81.4
BAR FA6 US1	85.0	66.7	78.3	98.0	99.0	55.0	97.7	71.7	81.4
SHORTSTOP II	71.7	73.3	51.7	96.7	99.0	60.0	95.3	73.3	77.6
LSD VALUE	16.4	16.3	24.2	2.6	2.4	19.0	2.8	17.6	5.2
C.V. (%)	11.6	12.1	16.1	1.7	1.5	16.6	1.8	14.0	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 34.

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

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

NAME	OK1	NAME	OK1
JTTFA-96	5.3	TULSA	3.7
ARID	4.3	TWILIGHT II (TMI-TW)	3.7
AV-1	4.3	APACHE II	3.3
DP 7952	4.3	ARID 2 (J-3)	3.3
RESERVE (ATF-182)	4.3	ATF-188	3.3
BONSAI 2000 (BULLET)	4.0	ATF-253	3.3
CROSSFIRE II	4.0	BAR FA 6LV	3.3
FALCON II	4.0	BAR FA6 US1	3.3
FINELAWN PETITE	4.0	BAR FA6D USA	3.3
PST-523	4.0	COCHISE II	3.3
RED COAT (ATF-038)	4.0	CORONADO GOLD (PST-5RT)	3.3
REGIMENT	4.0	COYOTE	3.3
WVPB-1B	4.0	CU9502T	3.3
ANTHEM II (TMI-FMN)	3.7	DLF-1	3.3
ATF-020	3.7	ISI-TF11	3.3
ATF-257	3.7	MARKSMAN	3.3
AXIOM (ATF-192)	3.7	MASTERPIECE (LTP-SD-TF)	3.3
AZTEC II (TMI-AZ)	3.7	MB 211	3.3
BANDANA (PST-R5AE)	3.7	MB 212	3.3
BRAVO (RG-93)	3.7	MB 216	3.3
CHAPEL HILL (TA-7)	3.7	MUSTANG II	3.3
COMSTOCK (SSDE31)	3.7	OFI-951	3.3
CORONADO	3.7	OFI-96-31	3.3
CU9501T	3.7	OFI-96-32	3.3
DP 50-9011	3.7	OFI-FWY	3.3
EC-101	3.7	OLYMPIC GOLD (PST-5E5)	3.3
EQUINOX (TMI-N91)	3.7	PEDESTAL (PC-AO)	3.3
GENESIS	3.7	PICK FA 20-92	3.3
JAGUAR 3	3.7	PIXIE E+	3.3
JSC-1	3.7	PST-5M5	3.3
JTTFC-96	3.7	PST-5TO	3.3
KENTUCKY-31 W/ENDO.	3.7	REMBRANDT (LTP-4026 E+)	3.3
MB 26	3.7	RENEGADE	3.3
MB 29	3.7	SHENANDOAH	3.3
MILLENNIUM (TMI-RBR)	3.7	SR 8210	3.3
OFI-931	3.7	SRX 8084	3.3
PICK FA XK-95	3.7	WPEZE (WVPB-1C)	3.3
PLANTATION (PENNINGTON-1901)	3.7	SCORPION (ZES-2PTF)	3.3
PRO 8430	3.7	ARID 3 (J-98)	3.0
REBEL SENTRY (AA-A91)	3.7	ATF-196	3.0
SAFARI	3.7	BAR FA 6D	3.0
SHENANDOAH II (WRS2)	3.7	BAR FA6 US3	3.0
TAR HEEL	3.7	BAR FA6 US6F	3.0
TITAN 2	3.7	BONSAI	3.0

TABLE 34. WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

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

NAME	OK1
BRANDY (J-101)	3.0
BULLDAWG (PICK GA-96)	3.0
DUSTER	3.0
EA 41	3.0
EMPRESS	3.0
GAZELLE	3.0
GOOD-EN (KOOS 96-14)	3.0
ISI-TF10	3.0
ISI-TF9	3.0
KITTY HAWK S.S.T. (SS45DW)	3.0
LEPRECHAUN	3.0
LION	3.0
MB 210	3.0
MB 213	3.0
MB 214	3.0
MB 215	3.0
MB 28	3.0
PICK FA 15-92	3.0
PICK FA 6-91	3.0
PICK FA N-93	3.0
PICK FA UT-93	3.0
PICK RT-95	3.0
PSII-TF-10	3.0
PSII-TF-9	3.0
R5AU	3.0
REBEL 2000 (AA-989)	3.0
SHORTSTOP II	3.0
SOUTHERN CHOICE	3.0
SFX 8500	3.0
SUNPRO	3.0
TOMAHAWK-E	3.0
WATCHDOG (PICK FA B-93)	3.0
WOLFPACK (PST-R5TK)	3.0
WVPB-1D	3.0
ZPS-5LZ	3.0
ARABIA (J-5)	2.7
BAR FA6 US2U	2.7
VELOCITY (AA-983)	2.7
WX3-275	2.7
ALAMO E	2.3
ATF-022	2.3
LSD VALUE	1.0
C.V. (%)	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 35. DROUGHT TOLERANCE (WILTING) RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 2/

NAME	DE1	NAME	DE1
MARKSMAN	7.3	EC-101	6.0
SCORPION (ZPS-2PTF)	7.3	EMPRESS	6.0
ATF-022	7.0	GAZELLE	6.0
BULLDAWG (PICK GA-96)	7.0	ISI-TF9	6.0
CU9502T	7.0	JTTFA-96	6.0
MB 215	7.0	JTTFC-96	6.0
MB 216	7.0	MASTERPIECE (LTP-SD-TF)	6.0
PIXIE E+	7.0	OFI-96-31	6.0
PRO 8430	7.0	PICK FA 15-92	6.0
ARABIA (J-5)	6.7	PSII-TF-10	6.0
BAR FA6 US6F	6.7	PST-5TO	6.0
KITTY HAWK S.S.T. (SS45DW)	6.7	SRX 8084	6.0
MB 212	6.7	TAR HEEL	6.0
OLYMPIC GOLD (PST-5E5)	6.7	TOMAHAWK-E	6.0
WVPB-1B	6.7	TULSA	6.0
ARID	6.5	ARID 3 (J-98)	5.7
LION	6.5	ATF-020	5.7
AV-1	6.3	ATF-188	5.7
BAR FA 6LV	6.3	ATF-257	5.7
BAR FA6 US3	6.3	AZTEC II (TMI-AZ)	5.7
CROSSFIRE II	6.3	BAR FA6D USA	5.7
DP 50-9011	6.3	CORONADO	5.7
DUSTER	6.3	CU9501T	5.7
FINELAWN PETITE	6.3	EA 41	5.7
JAGUAR 3	6.3	MB 211	5.7
KENTUCKY-31 W/ENDO.	6.3	MB 29	5.7
LEPRECHAUN	6.3	OFI-951	5.7
MB 213	6.3	PST-523	5.7
PEDESTAL (PC-AO)	6.3	SHENANDOAH	5.7
PICK RT-95	6.3	SRX 8500	5.7
PST-5M5	6.3	MB 28	5.5
REBEL SENTRY (AA-A91)	6.3	OFI-96-32	5.5
REMBRANDT (LTP-4026 E+)	6.3	PICK FA 20-92	5.5
SAFARI	6.3	BRANDY (J-101)	5.3
TITAN 2	6.3	COCHISE II	5.3
WPEZE (WVPB-1C)	6.3	CORONADO GOLD (PST-5RT)	5.3
WVPB-1D	6.3	EQUINOX (TMI-N91)	5.3
ALAMO E	6.0	FALCON II	5.3
ANTHEM II (TMI-FMN)	6.0	GENESIS	5.3
ARID 2 (J-3)	6.0	ISI-TF11	5.3
ATF-253	6.0	MUSTANG II	5.3
BAR FA6 US2U	6.0	OFI-931	5.3
BONSAI	6.0	PICK FA N-93	5.3
DLF-1	6.0	PICK FA XK-95	5.3

TABLE 35. DROUGHT TOLERANCE (WILTING) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING

NAME	DE1
PSII-TF-9	5.3
REBEL 2000 (AA-989)	5.3
RED COAT (ATF-038)	5.3
RESERVE (ATF-182)	5.3
SOUTHERN CHOICE	5.3
TWILIGHT II (TMI-TW)	5.3
VELOCITY (AA-983)	5.3
WOLFPACK (PST-R5TK)	5.3
ATF-196	5.0
BANDANA (PST-R5AE)	5.0
BAR FA6 US1	5.0
BONSAI 2000 (BULLET)	5.0
BRAVO (RG-93)	5.0
CHAPEL HILL (TA-7)	5.0
JSC-1	5.0
MB 214	5.0
MB 26	5.0
MILLENNIUM (TMI-RBR)	5.0
OFI-FWY	5.0
PICK FA 6-91	5.0
PLANTATION (PENNINGTON-1901)	5.0
REGIMENT	5.0
RENEGADE	5.0
SHENANDOAH II (WRS2)	5.0
SHORTSTOP II	5.0
WATCHDOG (PICK FA B-93)	5.0
DP 7952	4.7
PICK FA UT-93	4.7
R5AU	4.7
WX3-275	4.7
ZPS-5LZ	4.7
BAR FA 6D	4.5
COMSTOCK (SSDE31)	4.5
GOOD-EN (KOOS 96-14)	4.5
AXIOM (ATF-192)	4.3
ISI-TF10	4.3
SUNPRO	4.3
APACHE II	4.0
COYOTE	4.0
MB 210	4.0
SR 8210	3.7
LSD VALUE	2.2
C.V. (%)	22.9

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 36.

DROUGHT TOLERANCE (DORMANCY) RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/

NAME	DE1	MI1	VA1	MEAN	NAME	DE1	MI1	VA1	MEAN
LION	6.0	8.0	3.7	5.9	PSII-TF-9	6.3	7.0	2.0	5.1
KITTY HAWK S.S.T. (SS45DW)	6.7	7.7	3.0	5.8	PST-5M5	5.3	7.0	3.0	5.1
MARKSMAN	6.7	7.3	3.0	5.7	WVPB-1B	5.3	7.0	3.0	5.1
REMBRANDT (LTP-4026 E+)	6.3	7.7	3.0	5.7	ALAMO E	6.0	6.7	2.3	5.0
BAR FA 6LV	6.3	7.5	3.0	5.6	JTTF-96	6.7	6.0	2.3	5.0
EQUINOX (TMI-N91)	6.3	7.7	2.7	5.6	ATF-257	5.7	6.3	3.0	5.0
OFI-96-32	6.5	7.3	2.7	5.5	AXIOM (ATF-192)	4.7	7.3	3.0	5.0
WATCHDOG (PICK FA B-93)	6.0	7.7	2.7	5.4	BAR FA6 US6F	6.3	5.3	3.3	5.0
CU9502T	6.0	7.3	3.0	5.4	JAGUAR 3	5.3	6.7	3.0	5.0
KENTUCKY-31 W/ENDO.	6.3	8.0	2.0	5.4	MB 211	5.3	6.7	3.0	5.0
OLYMPIC GOLD (PST-5E5)	6.0	7.3	3.0	5.4	MB 213	6.7	5.7	2.7	5.0
ARID	7.0	6.7	2.3	5.3	OFI-951	5.0	7.0	3.0	5.0
BAR FA6 US3	5.7	7.0	3.3	5.3	PICK FA 15-92	5.7	6.7	2.7	5.0
BRANDY (J-101)	6.0	7.3	2.7	5.3	PICK FA N-93	6.3	6.3	2.3	5.0
BAR FA 6D	5.5	7.0	3.3	5.3	PICK FA XK-95	5.3	6.3	3.3	5.0
PIXIE E+	6.5	7.0	2.3	5.3	PLANTATION (PENNINGTON-1901)	5.0	7.0	3.0	5.0
ATF-022	7.0	6.3	2.3	5.2	R5AU	5.3	7.7	2.0	5.0
AZTEC II (TMI-AZ)	5.7	7.7	2.3	5.2	RED COAT (ATF-038)	6.0	6.0	3.0	5.0
BAR FA6 US2U	6.0	6.3	3.3	5.2	WVPB-1D	5.0	7.0	3.0	5.0
COMSTOCK (SSDE31)	5.0	7.3	3.3	5.2	ATF-253	5.3	7.0	2.7	5.0
DP 50-9011	6.0	7.0	2.7	5.2	SOUTHERN CHOICE	5.3	7.0	2.7	5.0
EA 41	6.3	5.7	3.7	5.2	SRX 8500	5.0	7.3	2.7	5.0
MB 212	5.7	6.7	3.3	5.2	SR 8210	3.7	7.7	3.3	4.9
MB 215	6.3	6.3	3.0	5.2	TWILIGHT II (TMI-TW)	5.7	6.7	2.3	4.9
MILLENNIUM (TMI-RBR)	5.0	7.7	3.0	5.2	ANTHEM II (TMI-FMN)	6.0	6.3	2.3	4.9
PRO 8430	6.3	7.0	2.3	5.2	COCHISE II	5.7	6.3	2.7	4.9
RESERVE (ATF-182)	6.3	5.7	3.7	5.2	ISI-TF11	5.0	7.3	2.3	4.9
TULSA	6.3	6.3	3.0	5.2	LEPRECHAUN	5.7	6.3	2.7	4.9
SCORPION (ZPS-2PTF)	6.3	6.3	3.0	5.2	MASTERPIECE (LTP-SD-TF)	7.0	4.3	3.3	4.9
MUSTANG II	5.0	7.5	3.0	5.2	OFI-931	5.3	6.3	3.0	4.9
AV-1	5.7	7.0	2.7	5.1	REGIMENT	5.7	6.3	2.7	4.9
CORONADO GOLD (PST-5RT)	6.0	6.7	2.7	5.1	SHENANDOAH	5.0	6.3	3.3	4.9
DP 7952	4.7	8.0	2.7	5.1	SRX 8084	5.3	6.7	2.7	4.9
DUSTER	5.0	6.7	3.7	5.1	ARABIA (J-5)	6.0	5.7	2.7	4.8
EMPRESS	5.3	6.7	3.3	5.1	ARID 2 (J-3)	5.0	6.7	2.7	4.8
MB 29	5.7	7.0	2.7	5.1	ARID 3 (J-98)	6.0	5.7	2.7	4.8
REBEL 2000 (AA-989)	5.0	6.7	3.7	5.1	BANDANA (PST-R5AE)	5.3	6.7	2.3	4.8
REBEL SENTRY (AA-A91)	7.0	5.0	3.3	5.1	CHAPEL HILL (TA-7)	5.0	6.3	3.0	4.8
TOMAHAWK-E	6.7	5.7	3.0	5.1	EC-101	5.7	6.0	2.7	4.8
VELOCITY (AA-983)	5.7	6.3	3.3	5.1	GOOD-EN (KOOS 96-14)	5.0	6.7	2.7	4.8
ATF-188	5.3	7.0	3.0	5.1	ISI-TF9	5.0	6.7	2.7	4.8
BRAVO (RG-93)	5.3	7.0	3.0	5.1	MB 210	5.0	6.7	2.7	4.8
CROSSFIRE II	5.3	7.3	2.7	5.1	MB 216	5.3	6.0	3.0	4.8
FALCON II	5.3	7.0	3.0	5.1	PEDESTAL (PC-AO)	5.3	6.3	2.7	4.8

TABLE 36. DROUGHT TOLERANCE (DORMANCY) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY

NAME	DEL	MI1	VA1	MEAN
PST-5TO	5.3	6.0	3.0	4.8
TAR HEEL	5.3	6.3	2.7	4.8
TITAN 2	5.7	5.3	3.3	4.8
WOLFPAK (PST-R5TK)	5.7	5.7	3.0	4.8
BONSAI 2000 (BULLET)	5.7	6.0	2.3	4.7
DLF-1	5.7	6.3	2.0	4.7
ISI-TF10	5.0	6.7	2.3	4.7
JSC-1	5.3	6.3	2.3	4.7
OFI-FWY	5.7	5.3	3.0	4.7
PICK RT-95	5.7	6.0	2.3	4.7
PSII-TF-10	6.0	5.7	2.3	4.7
PST-523	5.7	6.0	2.3	4.7
WPEZE (WVPB-1C)	5.0	6.0	3.0	4.7
ZPS-5LZ	5.7	5.3	3.0	4.7
BULLDAWG (PICK GA-96)	6.0	5.3	2.7	4.7
JTTCF-96	6.0	5.3	2.7	4.7
OFI-96-31	5.0	6.3	2.7	4.7
WX3-275	5.3	6.0	2.7	4.7
SAFARI	5.7	5.7	2.3	4.6
ATF-020	5.3	6.0	2.3	4.6
ATF-196	5.7	5.3	2.7	4.6
COYOTE	5.0	6.0	2.7	4.6
MB 28	4.5	6.0	3.0	4.5
RENEGADE	5.0	5.7	2.7	4.4
SUNPRO	4.7	6.7	2.0	4.4
BAR FA6 US1	5.3	5.0	3.0	4.4
BONSAI	5.3	6.0	2.0	4.4
GAZELLE	5.0	6.3	2.0	4.4
MB 26	5.7	5.0	2.3	4.3
CU9501T	4.3	5.0	3.7	4.3
MB 214	5.0	5.0	3.0	4.3
PICK FA 6-91	5.0	6.0	2.0	4.3
PICK FA UT-93	5.7	4.7	2.7	4.3
PICK FA 20-92	5.5	4.3	3.0	4.3
BAR FA6D USA	4.7	5.3	2.7	4.2
FINELAWN PETITE	4.7	5.7	2.0	4.1
SHENANDOAH II (WRS2)	4.3	4.7	3.3	4.1
SHORTSTOP II	4.7	5.3	2.3	4.1
CORONADO	4.7	5.0	2.3	4.0
APACHE II	5.0	3.7	3.0	3.9
GENESIS	5.0	.	2.7	3.8
LSD VALUE	1.7	2.5	0.9	1.0
C.V. (%)	18.9	23.7	21.1	22.7

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 37.

DROUGHT TOLERANCE (RECOVERY) RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

DROUGHT TOLERANCE (RECOVERY) RATINGS 1-9; 9=COMPLETE RECOVERY 2/

NAME	DE1	VA1	MEAN	NAME	DE1	VA1	MEAN
RESERVE (ATF-182)	8.0	7.0	7.5	EQUINOX (TMI-N91)	7.3	5.3	6.3
VELOCITY (AA-983)	7.7	6.7	7.2	REBEL SENTRY (AA-A91)	7.3	5.3	6.3
OLYMPIC GOLD (PST-5E5)	7.0	7.3	7.2	SHENANDOAH	7.3	5.3	6.3
ATF-257	8.0	6.0	7.0	WVPB-1D	7.3	5.3	6.3
REBEL 2000 (AA-989)	7.3	6.7	7.0	ATF-022	7.5	5.0	6.3
WOLFPACK (PST-R5TK)	7.3	6.7	7.0	JTTFC-96	7.5	5.0	6.3
BAR FA6 US6F	8.0	5.7	6.8	OFI-96-32	7.5	5.0	6.3
MB 215	7.7	6.0	6.8	AV-1	7.7	4.7	6.2
OFI-FWY	7.7	6.0	6.8	EC-101	7.7	4.7	6.2
EST-5M5	7.7	6.0	6.8	TAR HEEL	6.7	5.7	6.2
REMBRANDT (LTP-4026 E+)	7.7	6.0	6.8	ATF-253	7.0	5.3	6.2
WVPB-1B	7.7	6.0	6.8	BAR FA6 US2U	7.0	5.3	6.2
COMSTOCK (SSDE31)	7.5	6.0	6.8	BAR FA6 US3	8.0	4.3	6.2
OFI-931	7.7	5.7	6.7	ISI-TF9	7.3	5.0	6.2
HEDESTAL (PC-AO)	7.7	5.7	6.7	JSC-1	7.3	5.0	6.2
WPEZE (WVPB-1C)	7.7	5.7	6.7	MB 211	8.0	4.3	6.2
SCORPION (ZPS-2PTF)	7.7	5.7	6.7	MB 214	7.3	5.0	6.2
ZPS-5LZ	7.7	5.7	6.7	MILLENNIUM (TMI-RBR)	7.3	5.0	6.2
CJ9502T	7.0	6.3	6.7	PICK FA XK-95	7.0	5.3	6.2
GOOD-EN (KOOS 96-14)	8.0	5.3	6.7	PICK RT-95	7.0	5.3	6.2
MB 28	8.0	5.3	6.7	WATCHDOG (PICK FA B-93)	7.3	5.0	6.2
DLF-1	7.0	6.0	6.5	MASTERPIECE (LTP-SD-TF)	6.5	5.7	6.1
DUSTER	7.3	5.7	6.5	BRAVO (RG-93)	6.7	5.3	6.0
FINELAWN PETITE	7.3	5.7	6.5	CHAPEL HILL (TA-7)	6.0	6.0	6.0
GENESIS	7.0	6.0	6.5	CORONADO	7.7	4.3	6.0
ISI-TF11	7.7	5.3	6.5	CORONADO GOLD (PST-5RT)	7.0	5.0	6.0
JAGUAR 3	7.0	6.0	6.5	KENTUCKY-31 W/ENDO.	7.0	5.0	6.0
R5AU	7.0	6.0	6.5	MB 213	7.7	4.3	6.0
RED COAT (ATF-038)	7.7	5.3	6.5	MB 216	7.3	4.7	6.0
LIION	7.5	5.3	6.4	MB 26	7.3	4.7	6.0
AXIOM (ATF-192)	6.7	6.0	6.3	PLANTATION (PENNINGTON-1901)	7.0	5.0	6.0
CJ9501T	7.7	5.0	6.3	PSII-TF-9	7.0	5.0	6.0
EMPRESS	7.7	5.0	6.3	RENEGADE	7.0	5.0	6.0
FALCON II	7.0	5.7	6.3	SAFARI	6.7	5.3	6.0
ISI-TF10	7.7	5.0	6.3	SHENANDOAH II (WRS2)	6.0	6.0	6.0
JTTF-96	7.7	5.0	6.3	SRX 8084	7.3	4.7	6.0
KITTY HAWK S.S.T. (SS45DW)	7.7	5.0	6.3	TOMAHAWK-E	7.3	4.7	6.0
MB 212	8.0	4.7	6.3	COYOTE	7.5	4.3	5.9
MB 29	7.0	5.7	6.3	APACHE II	7.0	4.7	5.8
PIXIE E+	7.0	5.7	6.3	BRANDY (J-101)	7.7	4.0	5.8
PSII-TF-10	7.0	5.7	6.3	LEPRECHAUN	7.7	4.0	5.8
BULLDAWG (PICK GA-96)	7.3	5.3	6.3	PRO 8430	7.0	4.7	5.8
CROSSFIRE II	7.3	5.3	6.3	PST-5TO	6.7	5.0	5.8
EA 41	7.3	5.3	6.3	ARID 3 (J-98)	7.3	4.3	5.8

TABLE 37. DROUGHT TOLERANCE (RECOVERY) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

DROUGHT TOLERANCE (RECOVERY) RATINGS 1-9; 9=COMPLETE RECOVERY

NAME	DE1	VA1	MEAN
ATF-188	6.3	5.3	5.8
BANDANA (EST-R5AE)	7.3	4.3	5.8
BAR FA6D USA	7.3	4.3	5.8
MARKSMAN	7.3	4.3	5.8
PICK FA 15-92	8.0	3.7	5.8
PICK FA 6-91	8.0	3.7	5.8
SOUTHERN CHOICE	7.3	4.3	5.8
TITAN 2	6.3	5.3	5.8
MB 210	7.5	4.0	5.8
COCHISE II	6.7	4.7	5.7
DP 50-9011	7.7	3.7	5.7
DP 7952	6.7	4.7	5.7
GAZELLE	7.7	3.7	5.7
TULSA	8.0	3.3	5.7
ATF-020	7.3	4.0	5.7
ATF-196	7.0	4.3	5.7
BAR FA 6LV	7.3	4.0	5.7
BAR FA6 US1	7.3	4.0	5.7
OFI-951	7.3	4.0	5.7
PST-523	7.0	4.3	5.7
SUNPRO	7.3	4.0	5.7
WX3-275	7.3	4.0	5.7
BAR FA 6D	6.5	4.7	5.6
PICK FA 20-92	6.5	4.7	5.6
ARABIA (J-5)	7.3	3.7	5.5
ARID 2 (J-3)	7.0	4.0	5.5
AZTEC II (TMI-AZ)	7.0	4.0	5.5
BONSAI 2000 (BULLET)	6.7	4.3	5.5
MUSTANG II	6.7	4.3	5.5
PICK FA N-93	7.3	3.7	5.5
PICK FA UT-93	7.0	4.0	5.5
REGIMENT	7.0	4.0	5.5
TWILIGHT II (TMI-TW)	7.3	3.7	5.5
OFI-96-31	7.0	3.7	5.3
ALAMO E	6.7	3.7	5.2
ANTHEM II (TMI-FMN)	6.7	3.7	5.2
SRX 8500	6.7	3.7	5.2
BONSAI	6.3	3.7	5.0
SR 8210	6.0	4.0	5.0
SHORTSTOP II	6.7	3.0	4.8
ARID	3.5	5.3	4.4
LSD VALUE	1.5	1.7	1.1
C.V. (%)	12.2	21.5	16.1

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

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



TABLE 38. RED THREAD RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

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

NAME	VA1	NAME	VA1
AV-1	8.0	PICK FA N-93	6.7
COMSTOCK (SSDE31)	8.0	PIXIE E+	6.7
KENTUCKY-31 W/ENDO.	8.0	PST-523	6.7
ATF-020	7.7	R5AU	6.7
BONSAI	7.7	REGIMENT	6.7
DP 7952	7.7	RENEGADE	6.7
ARID	7.3	SOUTHERN CHOICE	6.7
DLF-1	7.3	SR 8210	6.7
EQUINOX (TMI-N91)	7.3	TOMAHAWK-E	6.7
GOOD-EN (KOOS 96-14)	7.3	ARID 2 (J-3)	6.3
JSC-1	7.3	BRANDY (J-101)	6.3
JTTFC-96	7.3	GENESIS	6.3
PSII-TF-10	7.3	LION	6.3
REBEL SENTRY (AA-A91)	7.3	MB 211	6.3
RED COAT (ATF-038)	7.3	MB 216	6.3
TITAN 2	7.3	MB 28	6.3
WPEZE (WVPB-1C)	7.3	PICK FA 15-92	6.3
AZTEC II (TMI-AZ)	7.0	PICK FA 6-91	6.3
CHAPEL HILL (TA-7)	7.0	PLANTATION (PENNINGTON-1901)	6.3
JTTFA-96	7.0	PSII-TF-9	6.3
LEPRECHAUN	7.0	REMBRANDT (LTP-4026 E+)	6.3
MARKSMAN	7.0	SUNPRO	6.3
OFI-96-31	7.0	VELOCITY (AA-983)	6.3
OFI-96-32	7.0	ANTHEM II (TMI-FMN)	6.0
PEDESTAL (PC-AO)	7.0	ARABIA (J-5)	6.0
RESERVE (ATF-182)	7.0	ARID 3 (J-98)	6.0
SHENANDOAH	7.0	ATF-022	6.0
TULSA	7.0	ATF-257	6.0
WVPB-1D	7.0	BANDANA (PST-R5AE)	6.0
ZPS-5LZ	7.0	CU9501T	6.0
ALAMO E	6.7	EA 41	6.0
BULLDOG (PICK GA-96)	6.7	EC-101	6.0
CORONADO GOLD (PST-5RT)	6.7	ISI-TF10	6.0
CU9502T	6.7	ISI-TF11	6.0
DP 50-9011	6.7	MB 213	6.0
ISI-TF9	6.7	MB 215	6.0
JAGUAR 3	6.7	MUSTANG II	6.0
KITTY HAWK S.S.T. (SS45DW)	6.7	PICK FA 20-92	6.0
MB 212	6.7	PICK FA XK-95	6.0
MB 214	6.7	PRO 8430	6.0
MB 26	6.7	REBEL 2000 (AA-989)	6.0
MB 29	6.7	SAFARI	6.0
MILLENNIUM (TMI-RBR)	6.7	SHENANDOAH II (WRS2)	6.0
OLYMPIC GOLD (PST-5E5)	6.7	SHORTSTOP II	6.0

TABLE 38. RED THREAD RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	VA1
SFX 8500	6.0
TWILIGHT II (TMI-TW)	6.0
WX3-275	6.0
APACHE II	5.7
ATF-188	5.7
ATF-253	5.7
COCHISE II	5.7
COYOTE	5.7
CROSSFIRE II	5.7
FALCON II	5.7
OFI-931	5.7
OFI-FWY	5.7
SFX 8084	5.7
WOLFPACK (PST-R5TK)	5.7
BAR FA 6LV	5.3
BAR FA6 US3	5.3
BAR FA6D USA	5.3
BONSAI 2000 (BULLET)	5.3
MB 210	5.3
OFI-951	5.3
PICK FA UT-93	5.3
PICK RT-95	5.3
PST-5TO	5.3
BAR FA 6D	5.0
PST-5M5	5.0
WVPB-1B	5.0
AXIOM (ATF-192)	4.7
BAR FA6 US6F	4.7
DUSTER	4.7
ATF-196	4.3
BAR FA6 US2U	4.3
EMPRESS	4.3
FINELAWN PETITE	4.3
GAZELLE	4.3
SCORPION (ZPS-2PTF)	4.3
BRAVO (RG-93)	4.0
MASTERPIECE (LTP-SD-TF)	4.0
TAR HEEL	3.7
CORONADO	3.3
WATCHDOG (PICK FA B-93)	3.3
BAR FA6 US1	2.3
LSD VALUE	2.0
C.V. (%)	20.4

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 39.

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

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

NAME	GA1	IL2	MO1	NE1	VA4	MEAN	NAME	GA1	IL2	MO1	NE1	VA4	MEAN
ISI-TF11	6.3	9.0	6.7	7.0	8.3	7.5	SRX 8084	5.3	7.3	6.0	6.0	8.0	6.5
PST-523	6.0	9.0	7.0	6.7	8.7	7.5	WVPB-1D	5.7	7.3	6.3	5.7	7.7	6.5
PST-5M5	5.7	9.0	6.7	6.7	8.7	7.3	MB 28	6.0	7.0	5.0	6.0	8.3	6.5
OLYMPIC GOLD (PST-5E5)	5.7	8.7	6.7	7.0	8.7	7.3	WPEZE (WVPB-1C)	5.0	8.0	5.7	6.3	7.3	6.5
KENTUCKY-31 W/ENDO.	5.7	8.0	6.3	7.7	8.7	7.3	OFI-96-32	5.7	7.3	5.3	6.0	8.0	6.5
ATF-257	6.7	8.7	7.3	6.3	7.0	7.2	PSII-TF-10	4.3	8.0	5.3	6.0	8.7	6.5
WOLFPACK (PST-R5TK)	6.7	8.3	6.0	6.0	8.7	7.1	ATF-022	5.3	6.7	7.0	6.3	6.7	6.4
SHENANDOAH II (WRS2)	6.3	7.7	6.7	6.3	8.3	7.1	GOOD-EN (KOOS 96-14)	4.7	7.0	5.7	6.7	8.0	6.4
AXIOM (ATF-192)	6.0	8.7	6.7	6.3	7.7	7.1	TULSA	6.0	7.0	6.7	4.7	7.7	6.4
TAR HEEL	6.0	8.7	7.0	5.7	8.0	7.1	WATCHDOG (PICK FA B-93)	5.0	9.0	5.0	4.7	8.3	6.4
CROSSFIRE II	6.3	9.0	5.7	6.0	8.0	7.0	CORONADO GOLD (PST-5RT)	5.0	7.3	6.3	5.3	8.0	6.4
MB 211	5.0	8.0	7.0	6.7	8.3	7.0	APACHE II	5.0	7.0	5.3	6.7	7.7	6.3
MB 212	6.0	7.7	6.3	7.0	8.0	7.0	ARID 3 (J-98)	5.0	8.0	6.3	4.7	7.7	6.3
WX3-275	6.0	8.7	5.7	6.7	8.0	7.0	EQUINOX (TMI-N91)	5.7	6.3	6.0	6.0	7.7	6.3
MB 210	5.7	8.7	6.7	5.7	8.0	6.9	FALCON II	5.3	6.7	6.7	5.0	8.0	6.3
ISI-TF9	5.0	8.7	5.7	7.0	8.3	6.9	FINELAWN PETITE	5.7	7.3	6.0	4.7	8.0	6.3
ARID	5.7	8.0	7.0	5.3	8.3	6.9	OFI-931	5.7	7.3	4.7	5.7	8.3	6.3
WVPB-1B	6.7	7.7	5.3	6.7	8.0	6.9	ATF-020	5.0	8.0	6.3	6.3	6.0	6.3
JTFC-96	5.3	7.3	7.0	6.3	8.3	6.9	GENESIS	5.3	6.0	5.7	6.0	8.7	6.3
MUSTANG II	5.3	8.0	6.7	5.0	9.0	6.8	LION	5.3	8.0	6.3	4.0	8.0	6.3
PST-5TO	5.3	7.7	6.3	6.3	8.3	6.8	MB 213	4.7	6.7	6.7	5.0	8.7	6.3
ANTHEM II (TMI-FMN)	6.0	7.3	6.7	6.7	7.0	6.7	TWILIGHT II (TMI-TW)	5.0	8.3	4.7	5.3	8.3	6.3
JAGUAR 3	5.7	8.0	7.0	5.0	8.0	6.7	AZTEC II (TMI-AZ)	5.7	6.0	6.7	5.0	8.0	6.3
PICK RT-95	5.7	8.0	6.0	6.0	8.0	6.7	BRANDY (J-101)	5.0	7.3	6.0	4.7	8.3	6.3
PIXIE E+	5.3	8.3	6.7	5.0	8.3	6.7	PEDESTAL (PC-AO)	5.3	6.3	5.3	5.7	8.7	6.3
ATF-253	6.3	8.7	6.7	4.3	7.7	6.7	DLF-1	5.0	7.0	6.0	5.3	8.0	6.3
TITAN 2	5.0	8.7	5.7	6.0	8.3	6.7	MILLENNIUM (TMI-RBR)	5.7	8.3	6.7	5.3	5.3	6.3
MASTERPIECE (LTP-SD-TF)	5.7	7.7	6.3	5.7	8.0	6.7	RENEGADE	5.3	6.7	5.3	6.0	8.0	6.3
MB 29	6.0	7.7	5.7	5.7	8.3	6.7	VELOCITY (AA-983)	4.7	8.3	5.7	5.3	7.3	6.3
PRO 8430	5.0	8.0	5.3	6.7	8.3	6.7	LEPRECHAUN	5.7	7.0	5.7	5.0	7.7	6.2
RESERVE (ATF-182)	5.3	8.3	7.0	6.3	6.3	6.7	AV-1	5.3	6.7	5.7	5.3	8.0	6.2
SCORPION (ZPS-2PTF)	5.3	8.7	7.0	5.0	7.3	6.7	BANDANA (PST-R5AE)	6.3	7.0	5.0	4.7	8.0	6.2
REMBRANDT (LTP-4026 E+)	5.7	8.7	6.7	6.3	6.0	6.7	BONSAI 2000 (BULLET)	5.0	7.7	6.0	5.0	7.3	6.2
COMSTOCK (SSDE31)	5.3	7.0	6.0	6.3	8.3	6.6	MB 216	5.3	7.3	5.7	5.3	7.3	6.2
CU9502T	5.0	7.7	7.0	5.3	8.0	6.6	SRX 8500	4.7	7.0	5.0	5.7	8.3	6.1
EMPRESS	5.0	8.3	6.0	5.7	8.0	6.6	ARID 2 (J-3)	5.3	7.7	6.3	4.7	6.7	6.1
PLANTATION (PENNINGTON-1901)	6.0	8.7	7.0	6.0	5.3	6.6	MARKSMAN	5.0	6.7	6.3	4.7	8.0	6.1
REBEL 2000 (AA-989)	5.0	7.0	7.0	6.3	7.7	6.6	OFI-96-31	4.7	6.7	6.0	6.0	7.3	6.1
EC-101	5.5	7.0	6.3	6.0	8.0	6.6	RED COAT (ATF-038)	5.0	6.0	7.0	6.7	6.0	6.1
COYOTE	6.7	7.7	6.7	4.3	7.3	6.5	BRAVO (RG-93)	5.3	8.0	6.0	4.3	7.0	6.1
JSC-1	4.3	6.3	6.0	7.3	8.7	6.5	CHAPEL HILL (TA-7)	4.0	7.7	6.7	3.7	8.3	6.1
PSII-TF-9	5.0	7.7	6.3	5.3	8.3	6.5	MB 215	5.3	5.7	6.0	5.0	8.3	6.1
R5AU	5.3	8.0	6.3	6.7	6.3	6.5	SR 8210	5.7	5.7	6.0	5.7	7.3	6.1
SAFARI	5.3	7.7	7.0	5.0	7.7	6.5	DUSTER	5.3	6.3	5.7	5.0	8.0	6.1

TABLE 39. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE						
NAME	GA1	IL2	MO1	NE1	VA4	MEAN
OFI-FWY	4.3	7.0	6.3	4.7	8.0	6.1
SHENANDOAH	6.0	7.3	5.0	4.0	8.0	6.1
SOUTHERN CHOICE	5.7	6.3	5.7	5.3	7.3	6.1
PICK FA XK-95	5.3	7.3	7.0	4.3	6.3	6.1
BAR FA6 US2U	5.0	5.3	4.7	6.3	8.7	6.0
BAR FA6 US3	5.3	6.0	5.3	5.7	7.7	6.0
REBEL SENTRY (AA-A91)	5.0	7.0	6.3	4.0	7.5	6.0
ATF-196	6.0	8.3	4.7	5.7	5.0	5.9
KITTY HAWK S.S.T. (SS45DW)	5.3	7.0	5.0	4.7	7.7	5.9
ISI-TF10	5.0	5.3	6.3	5.0	8.0	5.9
MB 214	5.3	6.3	5.7	4.3	8.0	5.9
PICK FA 20-92	6.0	6.0	6.0	5.3	6.3	5.9
DP 7952	5.5	5.7	5.7	4.3	8.3	5.9
SHORTSTOP II	5.5	6.3	5.7	5.0	7.0	5.9
BULLDAWG (PICK GA-96)	4.7	7.0	6.0	4.7	7.0	5.9
CJ9501T	5.7	7.0	5.3	4.0	7.3	5.9
MB 26	6.0	5.3	5.7	5.3	7.0	5.9
ATF-188	4.7	8.3	4.7	5.0	6.3	5.8
BAR FA6 US1	5.0	5.7	4.7	5.3	8.3	5.8
SUNPRO	5.3	5.7	6.3	4.0	7.7	5.8
PICK FA 6-91	5.0	6.7	5.0	5.7	6.3	5.7
TOMAHAWK-E	5.7	6.3	5.0	4.7	7.0	5.7
BAR FA6 US6F	5.7	5.0	6.0	3.7	8.0	5.7
JTFA-96	4.7	6.7	5.7	3.7	7.7	5.7
CORONADO	5.3	6.7	6.3	4.0	6.0	5.7
REGIMENT	5.0	7.0	5.7	2.7	7.7	5.6
BAR FA6D USA	5.3	4.7	4.7	5.0	8.3	5.6
BONSAI	4.0	6.0	5.7	3.7	8.3	5.5
ALAMO E	5.3	5.7	5.0	3.7	8.0	5.5
BAR FA 6LV	5.0	5.3	5.3	5.0	7.0	5.5
ARABIA (J-5)	4.7	4.3	6.3	4.0	8.0	5.5
BAR FA 6D	5.0	4.7	5.7	4.3	7.3	5.4
DP 50-9011	5.3	5.3	4.7	4.7	7.0	5.4
ZPS-5LZ	6.3	5.3	4.0	4.3	7.0	5.4
PICK FA N-93	5.5	7.7	3.3	4.3	6.0	5.4
COCHISE II	5.0	6.0	5.7	4.3	5.7	5.3
EA 41	4.0	5.3	5.7	4.3	7.3	5.3
GAZELLE	5.3	6.7	4.3	2.7	6.7	5.1
OFI-951	4.0	6.3	4.3	3.0	7.7	5.1
PICK FA UT-93	5.5	6.7	4.3	2.7	6.0	5.0
PICK FA 15-92	5.3	4.7	3.7	4.7	5.7	4.8
LSD VALUE	1.7	2.3	1.8	2.5	1.9	0.9
C.V. (%)	19.3	19.6	18.6	28.6	15.5	20.2

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

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

TABLE 40. SUMMER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

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

NAME	CA3	NAME	CA3
MB 213	7.0	ALAMO E	6.0
MB 214	7.0	ANTHEM II (TMI-FMN)	6.0
PLANTATION (PENNINGTON-1901)	7.0	APACHE II	6.0
SHENANDOAH II (WRS2)	7.0	ARID 2 (J-3)	6.0
BAR FA6 US1	6.7	ARID 3 (J-98)	6.0
MB 210	6.7	ATF-020	6.0
MB 211	6.7	ATF-022	6.0
MB 212	6.7	ATF-188	6.0
MB 216	6.7	ATF-196	6.0
MB 28	6.7	ATF-253	6.0
OFI-931	6.7	ATF-257	6.0
PICK RT-95	6.7	AXIOM (ATF-192)	6.0
TAR HEEL	6.7	BANDANA (PST-R5AE)	6.0
TWILIGHT II (TMI-TW)	6.7	BAR FA 6D	6.0
ARABIA (J-5)	6.3	BAR FA 6LV	6.0
BAR FA6 US2U	6.3	BRANDY (J-101)	6.0
BAR FA6 US3	6.3	BRAVO (RG-93)	6.0
BAR FA6 US6F	6.3	BULLDAWG (PICK GA-96)	6.0
BAR FA6D USA	6.3	CHAPEL HILL (TA-7)	6.0
COYOTE	6.3	COMSTOCK (SSDE31)	6.0
EA 41	6.3	CORONADO	6.0
FINELAWN PETITE	6.3	CORONADO GOLD (PST-5RT)	6.0
JAGUAR 3	6.3	CROSSFIRE II	6.0
LION	6.3	CU9501T	6.0
MASTERPIECE (LTP-SD-TF)	6.3	CU9502T	6.0
MB 215	6.3	DUSTER	6.0
MILLENNIUM (TMI-RBR)	6.3	EC-101	6.0
MUSTANG II	6.3	EMPRESS	6.0
OFI-951	6.3	EQUINOX (TMI-N91)	6.0
PICK FA 15-92	6.3	FALCON II	6.0
PICK FA N-93	6.3	GAZELLE	6.0
PICK FA XK-95	6.3	GENESIS	6.0
PST-523	6.3	GOOD-EN (KOOS 96-14)	6.0
PST-5TO	6.3	ISI-TF10	6.0
R5AU	6.3	ISI-TF9	6.0
REBEL 2000 (AA-989)	6.3	JTTFC-96	6.0
REMBRANDT (LTP-4026 E+)	6.3	LEPRECHAUN	6.0
SHENANDOAH	6.3	MARKSMAN	6.0
SR 8210	6.3	MB 26	6.0
TOMAHAWK-E	6.3	MB 29	6.0
VELOCITY (AA-983)	6.3	OFI-96-31	6.0
WATCHDOG (PICK FA B-93)	6.3	OFI-96-32	6.0
WOLFPAK (PST-R5TK)	6.3	OFI-FWY	6.0
SCORPION (ZPS-2PTF)	6.3	OLYMPIC GOLD (EST-5E5)	6.0

TABLE 40. SUMMER COLOR RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

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

NAME	CA3
PEDESTAL (PC-AO)	6.0
PICK FA 20-92	6.0
PICK FA 6-91	6.0
PICK FA UT-93	6.0
PIXIE E+	6.0
PRO 8430	6.0
PSII-TF-10	6.0
PST-5M5	6.0
REBEL SENTRY (AA-A91)	6.0
RED COAT (ATF-038)	6.0
REGIMENT	6.0
RENEGADE	6.0
RESERVE (ATF-182)	6.0
SOUTHERN CHOICE	6.0
SRX 8500	6.0
SUNPRO	6.0
WX3-275	6.0
ZPS-5LZ	6.0
AZTEC II (TMI-AZ)	5.7
COCHISE II	5.7
ISI-TF11	5.7
JSC-1	5.7
KITTY HAWK S.S.T. (SS45DW)	5.7
SHORTSTOP II	5.7
TULSA	5.7
WPEZE (WVPB-1C)	5.7
WVPB-1B	5.7
WVPB-1D	5.7
ARID	5.3
AV-1	5.3
BONSAI	5.3
BONSAI 2000 (BULLET)	5.3
DP 50-9011	5.3
PSII-TF-9	5.3
SAFARI	5.3
TITAN 2	5.3
DLF-1	5.0
DP 7952	5.0
SRX 8084	5.0
JTTFA-96	4.7
KENTUCKY-31 W/ENDO.	4.0
LSD VALUE	0.7
C.V. (%)	7.4

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 41.

FALL COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

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

NAME	CA3	NY1	MEAN	NAME	CA3	NY1	MEAN
MB 214	8.0	5.0	6.5	PICK FA UT-93	7.0	5.0	6.0
ARABIA (J-5)	8.0	4.7	6.3	TULSA	7.0	5.0	6.0
BAR FA6 US1	7.7	5.0	6.3	ARID 3 (J-98)	7.0	4.7	5.8
MB 26	8.0	4.7	6.3	ATF-020	7.0	4.7	5.8
MILLENNIUM (TMI-RBR)	7.7	5.0	6.3	AXIOM (ATF-192)	6.7	5.0	5.8
PICK FA XK-95	7.7	5.0	6.3	BONSAI 2000 (BULLET)	6.7	5.0	5.8
BAR FA 6LV	7.7	4.7	6.2	BRANDY (J-101)	7.0	4.7	5.8
BAR FA6D USA	7.7	4.7	6.2	BRAVO (RG-93)	7.0	4.7	5.8
SHENANDOAH II (WRS2)	7.7	4.7	6.2	CORONADO	6.7	5.0	5.8
BAR FA6 US2U	7.3	5.0	6.2	COYOTE	6.7	5.0	5.8
BAR FA6 US3	7.3	5.0	6.2	GAZELLE	6.7	5.0	5.8
BAR FA6 US6F	7.3	5.0	6.2	MB 215	6.7	5.0	5.8
COCHISE II	7.3	5.0	6.2	OFI-FWY	7.0	4.7	5.8
CORONADO GOLD (PST-SRT)	7.3	5.0	6.2	PICK RT-95	6.7	5.0	5.8
CROSSFIRE II	7.3	5.0	6.2	REBEL SENTRY (AA-A91)	7.0	4.7	5.8
LION	7.3	5.0	6.2	RED COAT (ATF-038)	7.0	4.7	5.8
MB 28	7.3	5.0	6.2	REMBRANDT (LTP-4026 E+)	6.7	5.0	5.8
OFI-951	7.3	5.0	6.2	SHORTSTOP II	6.7	5.0	5.8
OLYMPIC GOLD (PST-5E5)	7.3	5.0	6.2	SRX 8500	6.7	5.0	5.8
PICK FA 15-92	7.3	5.0	6.2	SUNPRO	7.0	4.7	5.8
PLANTATION (PENNINGTON-1901)	7.3	5.0	6.2	WATCHDOG (PICK FA B-93)	6.7	5.0	5.8
REBEL 2000 (AA-989)	7.3	5.0	6.2	WOLFPAK (PST-R5TK)	7.0	4.7	5.8
RENEGADE	7.3	5.0	6.2	SCORPION (ZPS-2PTF)	7.0	4.7	5.8
TWILIGHT II (TMI-TW)	7.3	5.0	6.2	ATF-196	7.3	4.3	5.8
WX3-275	7.0	5.3	6.2	BULLDAWG (PICK GA-96)	6.3	5.3	5.8
ZPS-5LZ	7.3	5.0	6.2	PST-5TO	7.3	4.3	5.8
APACHE II	7.3	4.7	6.0	ATF-253	6.7	4.7	5.7
ATF-188	7.0	5.0	6.0	BAR FA 6D	6.7	4.7	5.7
CU9501T	7.0	5.0	6.0	CHAPEL HILL (TA-7)	6.7	4.7	5.7
DUSTER	7.0	5.0	6.0	EA 41	6.7	4.7	5.7
ISI-TF10	7.0	5.0	6.0	EC-101	6.7	4.7	5.7
MB 210	7.0	5.0	6.0	FINELAWN PETITE	6.7	4.7	5.7
MB 211	7.0	5.0	6.0	MASTERPIECE (LTP-SD-TF)	6.7	4.7	5.7
MB 212	7.0	5.0	6.0	PIXIE E+	6.7	4.7	5.7
MB 213	7.0	5.0	6.0	RESERVE (ATF-182)	6.7	4.7	5.7
MB 216	7.3	4.7	6.0	TOMAHAWK-E	6.7	4.7	5.7
MB 29	7.0	5.0	6.0	VELOCITY (AA-983)	6.7	4.7	5.7
OFI-931	7.0	5.0	6.0	ALAMO E	7.0	4.3	5.7
OFI-96-31	7.0	5.0	6.0	ATF-257	6.3	5.0	5.7
OFI-96-32	7.0	5.0	6.0	JAGUAR 3	7.0	4.3	5.7
PEDESTAL (PC-AO)	7.0	5.0	6.0	MUSTANG II	6.3	5.0	5.7
PICK FA 20-92	7.3	4.7	6.0	R5AU	7.0	4.3	5.7
PICK FA 6-91	7.0	5.0	6.0	SOUTHERN CHOICE	7.0	4.3	5.7
PICK FA N-93	7.0	5.0	6.0	WVPB-1B	6.3	5.0	5.7

TABLE 41. FALL COLOR RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

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

NAME	CA3	NY1	MEAN
ANTHEM II (TMI-FMN)	7.0	4.0	5.5
ARID 2 (J-3)	6.3	4.7	5.5
COMSTOCK (SSDE31)	6.3	4.7	5.5
EMPRESS	6.3	4.7	5.5
FALCON II	6.3	4.7	5.5
GENESIS	6.0	5.0	5.5
ISI-TF11	6.3	4.7	5.5
KITTY HAWK S.S.T. (SS45DW)	6.7	4.3	5.5
MARKSMAN	6.0	5.0	5.5
PSII-TF-10	6.0	5.0	5.5
PST-5M5	6.3	4.7	5.5
BANDANA (PST-R5AE)	6.0	4.7	5.3
DP 50-9011	6.7	4.0	5.3
GOOD-EN (KOOS 96-14)	6.7	4.0	5.3
JTTFC-96	6.0	4.7	5.3
REGIMENT	6.0	4.7	5.3
SR 8210	6.0	4.7	5.3
WPEZE (WVPB-1C)	6.7	4.0	5.3
ATF-022	6.3	4.3	5.3
AZTEC II (TMI-AZ)	6.3	4.3	5.3
BONSAI	6.3	4.3	5.3
EQUINOX (TMI-N91)	6.3	4.3	5.3
PRO 8430	6.3	4.3	5.3
PST-523	6.3	4.3	5.3
CU9502T	5.7	4.7	5.2
JSC-1	5.7	4.7	5.2
ISI-TF9	6.0	4.3	5.2
SHENANDOAH	6.0	4.3	5.2
SRX 8084	6.0	4.3	5.2
TAR HEEL	6.0	4.3	5.2
WVPB-1D	6.0	4.3	5.2
LEPRECHAIN	5.7	4.3	5.0
SAFARI	5.3	4.7	5.0
DLF-1	5.7	4.0	4.8
JTTFA-96	5.3	4.3	4.8
PSII-TF-9	5.3	4.3	4.8
ARID	6.0	3.3	4.7
TITAN 2	5.3	4.0	4.7
AV-1	5.3	3.7	4.5
DP 7952	5.0	3.3	4.2
KENTUCKY-31 W/ENDO.	4.0	3.0	3.5
LSD VALUE	1.1	0.7	0.7
C.V. (%)	10.3	9.9	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 42. POA ANNUA (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
1998 DATA

POA ANNUA RATINGS 1-9; 9=NO POA ANNUA 2/

NAME	NY1	NAME	NY1
BAR FA6 US1	8.7	AZTEC II (TMI-AZ)	7.7
GOOD-EN (KOOS 96-14)	8.7	CU9502T	7.7
PICK FA N-93	8.7	EC-101	7.7
ARABIA (J-5)	8.3	EQUINOX (TMI-N91)	7.7
CORONADO	8.3	FINELAWN PETITE	7.7
EA 41	8.3	JTTFA-96	7.7
OFI-951	8.3	JTTFC-96	7.7
OFI-FWY	8.3	LION	7.7
PEDESTAL (PC-AO)	8.3	MB 210	7.7
RESERVE (ATF-182)	8.3	MB 214	7.7
TWILIGHT II (TMI-TW)	8.3	MB 215	7.7
WATCHDOG (PICK FA B-93)	8.3	MB 26	7.7
ARID	8.0	MB 29	7.7
ATF-020	8.0	MILLENNIUM (TMI-RBR)	7.7
ATF-253	8.0	OFI-931	7.7
BANDANA (PST-R5AE)	8.0	PICK FA 6-91	7.7
BAR FA6 US2U	8.0	PLANTATION (PENNINGTON-1901)	7.7
BAR FA6 US6F	8.0	PRO 8430	7.7
BULLDAWG (PICK GA-96)	8.0	PST-5M5	7.7
COCHISE II	8.0	PST-5TO	7.7
COYOTE	8.0	REGIMENT	7.7
DP 7952	8.0	WVPB-1B	7.7
DUSTER	8.0	WX3-275	7.7
EMPRESS	8.0	ARID 2 (J-3)	7.3
FALCON II	8.0	ATF-196	7.3
KENTUCKY-31 W/ENDO.	8.0	BAR FA 6D	7.3
MARKSMAN	8.0	CHAPEL HILL (TA-7)	7.3
MB 213	8.0	COMSTOCK (SSDE31)	7.3
MUSTANG II	8.0	CORONADO GOLD (PST-5RT)	7.3
PIXIE E+	8.0	CU9501T	7.3
PSTI-TF-9	8.0	DP 50-9011	7.3
PST-523	8.0	GENESIS	7.3
R5AU	8.0	MB 211	7.3
SHENANDOAH II (WRS2)	8.0	MB 212	7.3
SOUTHERN CHOICE	8.0	MB 216	7.3
SR 8210	8.0	MB 28	7.3
TOMAHAWK-E	8.0	OFI-96-31	7.3
VELOCITY (AA-983)	8.0	OLYMPIC GOLD (PST-5E5)	7.3
WPEZE (WVPB-1C)	8.0	PICK FA 15-92	7.3
WVPB-1D	8.0	REBEL SENTRY (AA-A91)	7.3
ANTHEM II (TMI-FMN)	7.7	RED COAT (ATF-038)	7.3
ARID 3 (J-98)	7.7	RENEGADE	7.3
ATF-188	7.7	SHORTSTOP II	7.3
AXIOM (ATF-192)	7.7	TULSA	7.3

TABLE 42. POA ANNUA (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) 1998 DATA

POA ANNUA RATINGS 1-9; 9=NO POA ANNUA

NAME	NY1
ZPS-5LZ	7.3
ALAMO E	7.0
APACHE II	7.0
ATF-022	7.0
ATF-257	7.0
BAR FA 6LV	7.0
BAR FA6D USA	7.0
BONSAI	7.0
CROSSFIRE II	7.0
DIF-1	7.0
GAZELLE	7.0
ISI-TF10	7.0
ISI-TF9	7.0
JSC-1	7.0
KITTY HAWK S.S.T. (SS45DW)	7.0
MASTERPIECE (LTP-SD-TF)	7.0
OFI-96-32	7.0
PICK FA XK-95	7.0
REMBRANDT (LTP-4026 E+)	7.0
SPX 8084	7.0
SUNPRO	7.0
TITAN 2	7.0
AV-1	6.7
BAR FA6 US3	6.7
BONSAI 2000 (BULLET)	6.7
BRANDY (J-101)	6.7
BRAVO (RG-93)	6.7
PICK FA 20-92	6.7
PICK FA UT-93	6.7
PICK RT-95	6.7
PSII-TF-10	6.7
REBEL 2000 (AA-989)	6.7
SAFARI	6.7
SPX 8500	6.7
TAR HEEL	6.7
WOLFPACK (PST-R5TK)	6.7
SCORPION (ZPS-2PTF)	6.7
ISI-TF11	6.3
JAGUAR 3	6.3
LEPRECHAUN	6.3
SHENANDOAH	5.7
LSD VALUE	1.8
C.V. (%)	15.3

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 43.

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS 1/  
 AT FAYETTEVILLE, AR 2/  
 1998 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	JULY	SEPTEMBER	MEAN	NAME	JULY	SEPTEMBER	MEAN
ATF-257	9.0	7.0	8.0	REMBRANDT (LTP-4026 E+)	8.3	4.7	6.5
COYOTE	7.7	7.7	7.7	RESERVE (ATF-182)	7.7	5.3	6.5
JAGUAR 3	7.7	7.7	7.7	SHENANDOAH II (WRS2)	7.3	5.7	6.5
ATF-253	8.3	6.7	7.5	SHORTSTOP II	7.0	6.0	6.5
COCHISE II	7.7	7.3	7.5	SR 8210	6.7	6.3	6.5
LION	7.3	7.7	7.5	TITAN 2	7.7	5.3	6.5
EQUINOX (TMI-N91)	7.3	7.3	7.3	ATF-020	7.0	5.7	6.3
ISI-TF11	8.0	6.7	7.3	AV-1	7.0	5.7	6.3
PST-5M5	8.3	6.3	7.3	BAR FA6 US2U	7.7	5.0	6.3
CHAPEL HILL (TA-7)	7.7	6.7	7.2	CROSSFIRE II	7.3	5.3	6.3
ISI-TF9	7.3	7.0	7.2	EA 41	6.0	6.7	6.3
KENTUCKY-31 W/ENDO.	7.3	7.0	7.2	EC-101	7.3	5.3	6.3
MB 212	8.0	6.3	7.2	GENESIS	7.7	5.0	6.3
COMSTOCK (SSDE31)	7.0	7.0	7.0	JTTFC-96	7.7	5.0	6.3
DLF-1	7.0	7.0	7.0	PEDESTAL (PC-AO)	7.3	5.3	6.3
MUSTANG II	8.3	5.7	7.0	PICK FA XK-95	7.0	5.7	6.3
PST-523	8.7	5.3	7.0	PRO 8430	7.3	5.3	6.3
BONSAI 2000 (BULLET)	7.3	6.3	6.8	SOUTHERN CHOICE	7.3	5.3	6.3
BRAVO (RG-93)	7.0	6.7	6.8	TAR HEEL	8.0	4.7	6.3
MB 210	7.7	6.0	6.8	TULSA	6.3	6.3	6.3
MB 211	7.3	6.3	6.8	WPEZE (WVPB-1C)	8.7	4.0	6.3
OFI-96-31	7.0	6.7	6.8	WVPB-1B	6.7	6.0	6.3
RED COAT (ATF-038)	6.7	7.0	6.8	SCORPION (ZPS-2PTF)	7.7	5.0	6.3
WVPB-1D	8.0	5.7	6.8	APACHE II	7.0	5.3	6.2
ARID 3 (J-98)	8.0	5.3	6.7	ATF-196	5.7	6.7	6.2
CORONADO GOLD (PST-5RT)	6.7	6.7	6.7	AZTEC II (TMI-AZ)	7.0	5.3	6.2
CU9501T	7.7	5.7	6.7	BAR FA6 US1	7.0	5.3	6.2
MASTERPIECE (LTP-SD-TF)	7.3	6.0	6.7	BAR FA6 US3	7.7	4.7	6.2
MB 213	7.3	6.0	6.7	DP 50-9011	7.0	5.3	6.2
MB 29	6.7	6.7	6.7	EMPRESS	7.3	5.0	6.2
OLYMPIC GOLD (PST-5E5)	8.7	4.7	6.7	KITTY HAWK S.S.T. (SS45DW)	6.3	6.0	6.2
PSII-TF-9	7.0	6.3	6.7	MB 28	6.7	5.7	6.2
WATCHDOG (PICK FA B-93)	8.0	5.3	6.7	SHENANDOAH	7.0	5.3	6.2
ARID 2 (J-3)	6.3	6.7	6.5	VELOCITY (AA-983)	7.3	5.0	6.2
ATF-022	7.7	5.3	6.5	ARID	6.3	5.7	6.0
ATF-188	7.0	6.0	6.5	BANDANA (PST-R5AE)	7.0	5.0	6.0
ISI-TF10	7.7	5.3	6.5	CU9502T	7.7	4.3	6.0
JTTFA-96	7.0	6.0	6.5	JSC-1	6.7	5.3	6.0
LEPRECHAUN	7.3	5.7	6.5	MARKSMAN	8.0	4.0	6.0
MILLENNIUM (TMI-RBR)	7.7	5.3	6.5	MB 215	6.7	5.3	6.0
PICK FA 20-92	8.0	5.0	6.5	OFI-96-32	7.3	4.7	6.0
PICK FA 6-91	6.7	6.3	6.5	OFI-FWY	7.3	4.7	6.0
PLANTATION (PENNINGTON-1901)	8.0	5.0	6.5	PICK FA N-93	6.0	6.0	6.0
PSII-TF-10	7.3	5.7	6.5	TWILIGHT II (TMI-TW)	7.0	5.0	6.0
PST-5TO	7.3	5.7	6.5	WOLFPACK (PST-R5TK)	8.0	4.0	6.0
R5AU	8.3	4.7	6.5	ALAMO E	5.0	6.7	5.8
REBEL SENIRY (AA-A91)	7.3	5.7	6.5	AXIOM (ATF-192)	6.0	5.7	5.8

TABLE 43.  
(CONT'D)

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
AT FAYETTEVILLE, AR  
1998 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	JULY	SEPTEMBER	MEAN
BRANDY (J-101)	5.7	6.0	5.8
MB 214	6.3	5.3	5.8
PICK RT-95	7.0	4.7	5.8
REBEL 2000 (AA-989)	8.7	3.0	5.8
RENEGADE	7.3	4.3	5.8
ANTHEM II (IMI-FMN)	6.7	4.7	5.7
BULLDAWG (PICK GA-96)	6.3	5.0	5.7
OFI-951	6.0	5.3	5.7
PICK FA 15-92	5.3	6.0	5.7
SAFARI	7.7	3.7	5.7
SRX 8500	6.0	5.3	5.7
WX3-275	6.7	4.7	5.7
DP 7952	5.3	5.7	5.5
FINELAWN PETITE	6.3	4.7	5.5
MB 26	5.7	5.3	5.5
SUNPRO	6.3	4.7	5.5
ARABIA (J-5)	5.3	5.3	5.3
MB 216	6.3	4.3	5.3
PICK FA UT-93	4.7	6.0	5.3
ZPS-5LZ	5.7	5.0	5.3
BAR FA6D USA	6.0	4.3	5.2
DUSTER	7.0	3.3	5.2
PIXIE E+	6.7	3.7	5.2
BAR FA 6D	5.3	4.7	5.0
BONSAI	5.3	4.7	5.0
OFI-931	5.3	4.7	5.0
SRX 8084	5.7	4.3	5.0
CORONADO	5.7	4.0	4.8
FALCON II	6.0	3.7	4.8
GOOD-EN (KOCs 96-14)	6.3	3.3	4.8
REGIMENT	6.3	3.3	4.8
TOMAHAWK-E	6.0	3.7	4.8
BAR FA 6LV	5.0	3.3	4.2
BAR FA6 US6F	5.7	2.7	4.2
GAZELLE	5.3	2.7	4.0
LSD VALUE	2.0	5.8	2.9
C.V. (%)	14.9	31.5	17.2

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

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

TABLE 44. PERCENT BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS 1/  
 AT LEXINGTON, KY 2/  
 1998 DATA

NAME	JULY 1	AUGUST 14	AUGUST 25	MEAN
PICK FA UT-93	13.0	27.3	36.0	25.4
BAR FA6 US1	10.7	17.0	38.0	21.9
PICK FA N-93	14.0	19.3	28.0	20.4
SHORTSTOP II	6.3	19.0	30.7	18.7
AV-1	9.0	11.7	33.7	18.1
ARID 2 (J-3)	14.3	19.0	20.7	18.0
BAR FA 6D	8.7	17.3	27.3	17.8
COCHISE II	11.0	15.3	26.3	17.6
PICK FA 6-91	10.7	14.7	27.0	17.4
MB 26	11.7	14.0	26.3	17.3
EQUINOX (TMI-N91)	14.3	14.0	21.7	16.7
OFI-96-31	8.3	13.7	28.0	16.7
ZPS-5LZ	10.0	17.0	22.3	16.4
BONSAI	14.7	10.3	23.3	16.1
DUSTER	9.3	16.3	22.3	16.0
BAR FA6D USA	9.7	12.3	25.7	15.9
DP 50-9011	9.7	13.7	24.0	15.8
TULSA	14.0	9.7	23.0	15.6
GOOD-EN (KOOS 96-14)	4.3	20.7	21.0	15.3
MB 28	13.7	11.3	21.0	15.3
SUNPRO	10.0	13.3	22.0	15.1
TOMAHAWK-E	13.7	11.7	19.7	15.0
GAZELLE	10.0	15.0	19.7	14.9
BAR FA6 US6F	11.7	14.7	18.0	14.8
CORONADO	11.3	16.7	16.3	14.8
SR 8210	12.3	13.7	17.7	14.6
VELOCITY (AA-983)	6.3	14.3	23.0	14.6
MB 215	9.0	13.0	21.3	14.4
OFI-951	11.0	13.7	17.3	14.0
EA 41	13.7	13.0	15.0	13.9
COYOTE	6.0	17.7	17.7	13.8
OFI-FWY	11.7	8.7	21.0	13.8
PICK FA 15-92	5.7	12.7	23.0	13.8
BULLDAWG (PICK GA-96)	15.7	7.7	17.0	13.4
ARABIA (J-5)	10.7	9.0	19.0	12.9
BAR FA6 US2U	8.0	14.7	15.7	12.8
BAR FA 6LV	9.0	11.0	18.0	12.7
MB 213	7.3	10.7	19.7	12.6
MB 214	4.7	15.7	17.0	12.4
LEPRECHAUN	6.3	9.7	21.0	12.3
TWILIGHT II (TMI-TW)	10.3	7.7	18.3	12.1
ALAMO E	10.3	8.7	16.7	11.9
AZTEC II (TMI-AZ)	11.0	7.7	16.7	11.8
OFI-96-32	5.7	13.3	16.0	11.7
SRX 8084	8.3	11.0	15.7	11.7
SRX 8500	3.0	15.0	16.7	11.6
PICK FA XK-95	9.3	10.3	14.7	11.4

TABLE 44. PERCENT BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) AT LEXINGTON, KY  
 1998 DATA

NAME	JULY 1	AUGUST 14	AUGUST 25	MEAN
PICK RT-95	7.0	8.0	19.0	11.3
REGIMENT	10.0	9.0	15.0	11.3
WVPB-1D	8.7	7.7	16.3	10.9
OFI-931	10.0	9.0	13.3	10.8
DLF-1	3.3	9.0	19.3	10.6
REBEL SENTRY (AA-A91)	3.3	13.0	15.3	10.6
MB 216	6.3	9.3	15.7	10.4
ATF-196	5.7	9.3	16.0	10.3
MARKSMAN	5.0	8.0	17.7	10.2
PRO 8430	6.7	10.0	13.7	10.1
SCORPION (ZPS-2PTF)	5.7	9.7	15.0	10.1
BRANDY (J-101)	11.7	9.3	9.0	10.0
ATF-020	6.7	9.7	13.3	9.9
KITTY HAWK S.S.T. (SS45DW)	10.3	6.0	12.7	9.7
PICK FA 20-92	1.7	9.3	17.7	9.6
ARID 3 (J-98)	5.0	11.0	12.0	9.3
COMSTOCK (SSDE31)	4.3	10.7	13.0	9.3
FALCON II	2.7	12.3	13.0	9.3
SOUTHERN CHOICE	7.0	11.0	10.0	9.3
ATF-022	4.7	4.7	18.3	9.2
BAR FA6 US3	5.0	10.7	11.3	9.0
PSII-TF-9	10.3	8.0	8.3	8.9
ANTHEM II (TMI-FMN)	14.3	6.3	4.7	8.4
FINELAWN PETITE	4.7	7.7	12.7	8.3
GENESIS	8.3	3.0	13.3	8.2
JSC-1	4.0	8.7	12.0	8.2
SHENANDOAH II (WRS2)	7.7	6.3	10.0	8.0
ATF-188	6.0	7.3	10.3	7.9
BANDANA (PST-R5AE)	2.0	7.7	14.0	7.9
TITAN 2	11.0	4.3	8.3	7.9
APACHE II	5.0	7.0	10.7	7.6
CROSSFIRE II	2.3	6.7	13.3	7.4
ATF-253	4.7	4.3	12.3	7.1
CORONADO GOLD (PST-5RT)	8.3	6.3	6.7	7.1
EC-101	6.7	6.0	8.0	6.9
JTTFA-96	5.3	4.3	11.0	6.9
MUSTANG II	5.3	3.3	12.0	6.9
REBEL 2000 (AA-989)	3.3	5.3	12.0	6.9
WATCHDOG (PICK FA B-93)	8.3	5.3	7.0	6.9
MB 212	11.7	3.0	5.3	6.7
WPEZE (WVPB-1C)	4.7	6.3	8.7	6.6
MILLENNIUM (TMI-RBR)	5.7	4.3	9.3	6.4
REMBRANDT (LTP-4026 E+)	9.0	4.0	6.3	6.4
WVPB-1B	3.7	8.7	7.0	6.4
BRAVO (RG-93)	5.7	6.7	6.7	6.3
R5AU	4.3	3.3	11.3	6.3
EMPRESS	6.7	6.0	5.7	6.1

TABLE 44. PERCENT BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) AT LEXINGTON, KY  
 1998 DATA

NAME	JULY 1	AUGUST 14	AUGUST 25	MEAN
JTFC-96	8.7	2.3	7.3	6.1
DP 7952	5.3	6.0	6.7	6.0
ISI-TF10	5.0	4.0	9.0	6.0
MB 211	4.3	5.3	8.3	6.0
ESII-TF-10	5.3	4.0	8.7	6.0
CU9501T	1.3	8.0	8.3	5.9
CU9502T	2.7	3.0	11.0	5.6
MB 210	4.3	2.7	9.7	5.6
SHENANDOAH	8.7	3.0	5.0	5.6
CHAPEL HILL (TA-7)	3.0	7.7	5.7	5.4
PLANTATION (PENNINGTON-1901)	5.3	4.3	6.7	5.4
RENEGADE	5.3	4.0	7.0	5.4
EST-5M5	5.3	3.0	7.3	5.2
SAFARI	4.0	3.0	8.3	5.1
WK3-275	6.3	3.0	6.0	5.1
BONSAI 2000 (BULLET)	8.0	1.3	5.0	4.8
MASTERPIECE (LTP-SD-TF)	7.0	3.0	4.0	4.7
JAGUAR 3	5.3	2.3	6.0	4.6
LION	5.3	4.0	3.3	4.2
PEDESTAL (PC-AO)	5.0	1.7	6.0	4.2
EST-5TO	5.0	1.7	6.0	4.2
ISI-TF11	4.3	2.7	5.3	4.1
PIXIE E+	1.0	3.7	6.7	3.8
ISI-TF9	4.3	4.0	2.7	3.7
RED COAT (ATF-038)	1.7	3.0	6.3	3.7
RESERVE (ATF-182)	6.0	1.7	3.3	3.7
KENTUCKY-31 W/ENDO.	9.0	0.7	1.0	3.6
MB 29	2.0	2.0	6.3	3.4
TAR HEEL	4.0	3.7	2.3	3.3
WOLFPACK (PST-R5TK)	4.3	1.7	3.7	3.2
OLYMPIC GOLD (PST-5E5)	4.0	1.3	4.0	3.1
ARID	2.3	2.7	3.3	2.8
AXIOM (ATF-192)	0.7	0.3	7.0	2.7
ATF-257	2.7	0.7	3.3	2.2
EST-523	2.7	1.7	1.7	2.0
LSD VALUE	10.5	9.3	16.4	7.7
C.V. (%)	64.4	62.0	63.1	46.2

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

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

TABLE 45.

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS 1/  
 AT STILLWATER, OK 2/  
 1998 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	MAY	JULY	MEAN	NAME	MAY	JULY	MEAN
SAFARI	9.0	8.7	8.8	DUSTER	9.0	7.3	8.2
TITAN 2	9.0	8.7	8.8	EQUINOX (TMI-N91)	8.7	7.7	8.2
CORONADO GOLD (PST-5RT)	9.0	8.3	8.7	FALCON II	9.0	7.3	8.2
CROSSFIRE II	8.7	8.7	8.7	GENESIS	9.0	7.3	8.2
ISI-TF11	9.0	8.3	8.7	MARKSMAN	9.0	7.3	8.2
KENTUCKY-31 W/ENDO.	9.0	8.3	8.7	MB 211	8.7	7.7	8.2
MB 28	8.7	8.7	8.7	MB 212	9.0	7.3	8.2
PICK FA N-93	9.0	8.3	8.7	MB 216	8.7	7.7	8.2
PIXIE E+	9.0	8.3	8.7	MILLENNIUM (TMI-RBR)	9.0	7.3	8.2
R5AU	9.0	8.3	8.7	OFI-FWY	9.0	7.3	8.2
REMBRANDT (LTP-4026 E+)	9.0	8.3	8.7	PICK RT-95	9.0	7.3	8.2
SHENANDOAH	9.0	8.3	8.7	PLANTATION (PENNINGTON-1901)	9.0	7.3	8.2
WVPB-1B	9.0	8.3	8.7	RESERVE (ATF-182)	8.7	7.7	8.2
CU9501T	8.7	8.3	8.5	SHENANDOAH II (WRS2)	9.0	7.3	8.2
ISI-TF9	9.0	8.0	8.5	TOMAHAWK-E	8.7	7.7	8.2
MB 29	9.0	8.0	8.5	WATCHDOG (PICK FA B-93)	9.0	7.3	8.2
OFI-96-32	9.0	8.0	8.5	SCORPION (ZPS-2PTF)	9.0	7.3	8.2
PST-5TO	9.0	8.0	8.5	ARABIA (J-5)	9.0	7.0	8.0
RENEGADE	9.0	8.0	8.5	BANDANA (PST-R5AE)	8.7	7.3	8.0
SOUTHERN CHOICE	9.0	8.0	8.5	BAR FA6D USA	9.0	7.0	8.0
TWILIGHT II (TMI-TW)	9.0	8.0	8.5	BULLDAWG (PICK GA-96)	9.0	7.0	8.0
WOLFPACK (PST-R5TK)	9.0	8.0	8.5	COCHISE II	9.0	7.0	8.0
ANTHEM II (TMI-FMN)	9.0	7.7	8.3	COMSTOCK (SSDE31)	9.0	7.0	8.0
APACHE II	8.7	8.0	8.3	CORONADO	9.0	7.0	8.0
ATF-022	8.7	8.0	8.3	GOOD-EN (KOOS 96-14)	9.0	7.0	8.0
ATF-253	9.0	7.7	8.3	JTTFC-96	9.0	7.0	8.0
AXIOM (ATF-192)	8.7	8.0	8.3	LEPRECHAUN	9.0	7.0	8.0
BAR FA6 US3	9.0	7.7	8.3	LION	9.0	7.0	8.0
CHAPEL HILL (TA-7)	9.0	7.7	8.3	MB 213	9.0	7.0	8.0
DLF-1	9.0	7.7	8.3	MB 215	9.0	7.0	8.0
ISI-TF10	9.0	7.7	8.3	MB 26	8.7	7.3	8.0
JTTFA-96	9.0	7.7	8.3	MUSTANG II	9.0	7.0	8.0
MB 210	9.0	7.7	8.3	OFI-951	9.0	7.0	8.0
PEDESTAL (PC-AO)	8.7	8.0	8.3	OFI-96-31	9.0	7.0	8.0
PRO 8430	9.0	7.7	8.3	OLYMPIC GOLD (PST-5E5)	9.0	7.0	8.0
PSII-TF-9	8.7	8.0	8.3	PICK FA 20-92	8.7	7.3	8.0
PST-5M5	9.0	7.7	8.3	PSII-TF-10	9.0	7.0	8.0
REBEL SENTRY (AA-A91)	9.0	7.7	8.3	RED COAT (ATF-038)	8.7	7.3	8.0
SRX 8084	9.0	7.7	8.3	SRX 8500	9.0	7.0	8.0
WPEZE (WVPB-1C)	9.0	7.7	8.3	TAR HEEL	8.7	7.3	8.0
ARID	9.0	7.3	8.2	VELOCITY (AA-983)	9.0	7.0	8.0
ATF-020	8.7	7.7	8.2	WVPB-1D	8.7	7.3	8.0
AV-1	9.0	7.3	8.2	WX3-275	9.0	7.0	8.0
BAR FA 6D	9.0	7.3	8.2	ZPS-5LZ	9.0	7.0	8.0
BONSAI 2000 (BULLET)	9.0	7.3	8.2	ALAMO E	8.0	7.7	7.8
COYOTE	9.0	7.3	8.2	AZTEC II (TMI-AZ)	9.0	6.7	7.8
CU9502T	9.0	7.3	8.2	BAR FA6 US1	9.0	6.7	7.8



TABLE 45. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) AT STILLWATER, OK  
1998 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	MAY	JULY	MEAN
BRAVO (RG-93)	9.0	6.7	7.8
EA 41	8.3	7.3	7.8
FINELAWN PETITE	9.0	6.7	7.8
JAGUAR 3	9.0	6.7	7.8
JSC-1	9.0	6.7	7.8
PICK FA 6-91	8.7	7.0	7.8
PST-523	9.0	6.7	7.8
SR 8210	9.0	6.7	7.8
ARID 3 (J-98)	9.0	6.3	7.7
ATF-196	8.3	7.0	7.7
ATF-257	9.0	6.3	7.7
BAR FA6 US6F	9.0	6.3	7.7
DP 50-9011	9.0	6.3	7.7
EC-101	9.0	6.3	7.7
EMPRESS	9.0	6.3	7.7
MASTERPIECE (LTP-SD-TF)	8.7	6.7	7.7
MB 214	8.7	6.7	7.7
REBEL 2000 (AA-989)	9.0	6.3	7.7
REGIMENT	9.0	6.3	7.7
SHORTSTOP II	9.0	6.3	7.7
ARID 2 (J-3)	9.0	6.0	7.5
ATF-188	8.7	6.3	7.5
BAR FA6 US2U	8.7	6.3	7.5
GAZELLE	9.0	6.0	7.5
PICK FA XK-95	9.0	6.0	7.5
SUNPRO	9.0	6.0	7.5
TULSA	9.0	6.0	7.5
BRANDY (J-101)	8.3	6.3	7.3
DP 7952	9.0	5.7	7.3
KITTY HAWK S.S.T. (SS45DW)	8.0	6.7	7.3
BONSAI	9.0	5.3	7.2
OFI-931	9.0	5.3	7.2
BAR FA 6LV	8.3	5.7	7.0
PICK FA UT-93	8.3	5.3	6.8
PICK FA 15-92	7.7	5.7	6.7
LSD VALUE	1.2	2.6	1.5
C.V. (%)	4.2	14.5	7.2

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

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