

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.

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1996 NATIONAL TALL FESCUE TEST

LOCATIONS SUBMITTING DATA FOR 1999

<u>State</u>	<u>Location</u>	<u>Code</u>
Arkansas	Fayetteville	AR1
California	Santa Clara	CA1
California	Riverside	CA3
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
Nebraska	Mead	NE1
Nebraska	Mead (Traffic)	NE2
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
Ohio	Columbus	OH1
Oklahoma	Stillwater	OK1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Virginia	Virginia Beach	VA4
Virginia	Blackstone (Roadside)	VA9
Washington	Pullman	WA1

1996 NATIONAL TALL FESCUE TEST

Entries and Sponsors

Entry #	Name	Sponsor	Entry #	Name	Sponsor
1	Axiom (ATF-192)	American Seed Producers	66	Marksman	ProSeeds Marketing
2	Wildfire (ATF-196)	Jenks Seed Connection	67	Renegade	ProSeeds Marketing
3	ATF-022	Advanta Seeds Pacific	68	Southern Choice	ProSeeds Marketing
4	Red Coat (ATF-038)	Mountain View Seeds	69	Falcon II	Standard Entry
5	Reserve (ATF-182)	LandMark Seed	70	BAR FA6 US6F	Barenbrug USA
6	ATF-020	Advanta Seeds Pacific	71	Duster	Pennington Seed Company
7	ATF-253	Advanta Seeds Pacific	72	Cochise II	Ampac Seed Company
8	ATF-257	Advanta Seeds Pacific	73	Shenandoah II (WRS2)	ProSeeds Marketing
9	Tulsa	Seed Research of Oregon	74	WX3-275	Simplot Turf & Horticulture
10	Regiment	Seed Research of Oregon	75	Crossfire II	Pickseed West, Inc.
11	Rebel Sentry (AA-A91)	Budd Seed	76	Bulldawg (Pick GA-96)	Pickseed West, Inc.
12	Rebel 2000 (AA-989)	Budd Seed	77	Pick FA N-93	Pickseed West, Inc.
13	Velocity (AA-983)	ProSeeds Marketing	78	JTTFA-96	Japan Turfgrass II
14	CU9501T	Clemson University	79	JTTFC-96	Japan Turfgrass II
15	CU9502T	Clemson University	80	ISI-TF10	Cebeco International Seeds, Inc.
16	Arid	Standard Entry	81	ISI-TF9	Cebeco International Seeds, Inc.
17	Arid 3 (J-98)	Simplot Turf & Horticulture	82	ISI-TF11	Cebeco International Seeds, Inc.
18	Arid II (J-3)	Simplot Turf & Horticulture	83	Kentucky-31 w/endo.	Standard Entry
19	DP 50-9011	DLF/ Trifolium	84	Finelawn 5LZ (ZPS-5LZ)	AgriBioTech, Inc.
20	DP 7952	DLF/ Trifolium	85	PST-5TO	Pure-Seed Testing, Inc.
21	Arabia (J-5)	Simplot Turf & Horticulture	86	Olympic Gold (PST-5E5)	Pure-Seed Testing, Inc.
22	Pixie E+	Simplot Turf & Horticulture	87	Wolfpack (PST-R5TK)	Pure-Seed Testing, Inc.
23	Alamo E	Simplot Turf & Horticulture	88	Bandana (PST-R5AE)	Pennington Seed, Inc.
24	Brandy (J-101)	Simplot Turf & Horticulture	89	Gazelle	ProSeeds Marketing
25	Shortstop II	Pickseed West, Inc.	90	Safari	Turf-Seed, Inc.
26	Pick FA 15-92	Pickseed West, Inc.	91	Coyote	ProSeeds Marketing
27	Arizona (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	ProSeeds Marketing
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	Wyatt (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	ProSeeds Marketing	111	Pick FA 20-92	Pickseed West, Inc.
47	OFI-96-32	AgriBioTech, Inc.	112	Pick FA XK-95	Pickseed West, Inc.
48	Glen Eagle (EC-101)	Emerald Commodities	113	Empress	ProSeeds Marketing
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	Dominion (PST-5M5)	Pure-Seed Testing, Inc.
52	Bravo (RG-93)	LESCO, Inc.	117	Coronado Gold (PST-5RT)	Pure-Seed Testing, Inc.
53	Helix (WVPB-1D)	Plainview Seed Co.	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)	ProSeeds Marketing
56	MB 26	ProSeeds Marketing	121	Sunpro	Pickseed West, Inc.
57	MB 28	ProSeeds Marketing	122	Bonsai	Standard Entry
58	MB 29	ProSeeds Marketing	123	OnCue (PST-523)	Pennington Seed
59	Airlie (MB 210)	ORCO, Inc.	124	BAR Fa6 US1	Barenbrug Research
60	Durana (MB 211)	Pennington Seed, Inc.	125	BAR Fa6 US2U	Barenbrug Research
61	MB 212	ProSeeds Marketing	126	BAR Fa6 US3	Barenbrug Research
62	MB 213	ProSeeds Marketing	127	BAR Fa6D USA	Barenbrug Research
63	MB 214	ProSeeds Marketing	128	Shenandoah	Standard Entry
64	MB 215	ProSeeds Marketing	129	Genesis	Budd Seed
65	MB 216	ProSeeds Marketing			

TABLE A.

1999 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	61-150	151-240	3.1-4.0	FULL SUN	2.1-2.5	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
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	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
IL2	-	-	-	-	-	-	-	-
IN1	SILT LOAM AND SILT	6.6-7.0	61-150	501+	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	TO PREVENT DORMANCY
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	1.1-2.0	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
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	6.1-6.5	271-450	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	451+	376-500	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OH1	SILTY CLAY LOAM	7.1-7.5	0-60	151-240	2.1-3.0	FULL SUN	3.6-4.0	TO PREVENT STRESS
OK1	SILTY CLAY LOAM	6.1-6.5	151-270	501+	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
UT1	SILTY CLAY LOAM	7.6-8.5	0-60	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
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	-	-	-	-	-	-	-	-
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 1999

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		
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	X
IL2			X	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
ME1					X	X	X	X	X	X	X		X		
MI1				X	X	X	X	X	X	X			X	X	X
MO1				X	X	X	X	X	X	X			X		
MO3				X	X	X	X	X	X	X	X		X	X	X
NE1				X	X	X	X	X	X	X			X	X	X
NE2				X	X	X	X	X	X	X			X	X	X
NJ1				X	X	X	X	X	X	X	X			X	
NJ2				X	X	X	X	X	X		X			X	X
OH1					X	X	X	X	X	X			X	X	X
OK1			X	X	X	X	X	X	X	X	X	X	X	X	X
UT1				X	X	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	
VA9				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 1999

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE WILTING	MICRODOCHIUM PATCH RATING	RED THREAD RATING	BROWN PATCH (WARM TEMP.)	PERCENT BROWN PATCH	BROWN PATCH JUNE	BROWN PATCH AUGUST
AR1		X	X		X	X					X			
CA1														
CA3														
GA1														
IA1														
IL1														
IL2														
IN1														
KS2											X			
KY1		X										X		
MD1														
ME1											X			
MI1														
MO1														
MO3	X	X	X	X	X	X								
NE1	X	X	X									X		
NE2	X	X	X									X		
NJ1										X				
NJ2														
OH1														
OK1	X	X	X	X	X	X	X						X	X
UT1		X												
VA1							X	X						
VA4							X							
VA9														
WA1									X					

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S. 1/
1999 DATA

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

NAME	AR1	CA1	CA3	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	ME1	MI1	MO1	MO3	NE1	NJ1	NJ2	OH1	OK1	UT1	VA1	VA4	WA1	MEAN
* REMBRANDT (LTP-4026 E+)	6.4	6.7	6.2	6.7	6.6	6.8	8.0	6.9	6.8	8.3	6.8	6.0	5.7	5.0	6.0	7.0	6.3	5.8	8.1	6.8	5.6	6.3	6.2	6.1	6.5
* MILLENNIUM (TMI-RBR)	6.1	6.7	6.5	6.8	6.7	7.1	8.1	6.8	7.0	7.9	6.8	6.1	5.9	5.0	5.5	6.6	6.8	5.3	8.0	6.6	5.6	5.9	6.3	6.3	6.5
* PICK RT-95	6.3	6.9	6.5	6.8	6.3	6.5	8.0	6.6	6.6	8.3	6.8	6.4	6.0	4.8	6.6	6.9	5.8	5.3	7.8	6.4	5.7	6.4	6.5	6.0	6.5
* PLANTATION (PENNINGTON-1901)	6.2	6.8	6.4	7.3	6.1	6.4	7.1	6.5	6.8	7.9	6.8	6.1	6.0	4.9	6.4	7.1	6.0	5.9	7.9	6.6	6.0	6.2	6.1	6.1	6.5
* MASTERPIECE (LTP-SD-TF)	6.0	7.1	6.1	7.0	6.7	6.5	7.9	6.8	7.0	8.0	7.1	5.6	5.3	4.5	6.2	6.8	6.3	5.3	8.2	6.6	5.7	5.9	6.4	6.0	6.5
* SCORPIO (ZPS-2PTF)	6.1	6.8	6.4	6.7	6.6	6.6	8.0	6.6	6.5	8.0	7.3	5.7	5.7	5.1	6.5	6.4	6.0	5.2	7.8	6.4	5.9	6.0	6.3	6.0	6.4
* COYOTE	5.8	6.6	6.0	6.1	6.3	6.4	7.8	6.6	6.5	7.7	7.3	6.2	5.7	5.0	6.0	6.3	5.8	5.2	8.0	6.7	5.5	6.4	6.3	6.1	6.3
* CROSSFIRE II	5.8	7.1	6.1	6.4	7.0	6.6	7.2	6.7	6.8	7.7	6.2	5.8	5.8	4.8	6.3	6.8	6.1	5.5	7.8	6.6	5.3	5.8	6.2	5.9	6.3
* SHENANDOAH II (WRS2)	6.1	6.7	6.3	6.3	6.3	6.5	7.7	6.5	6.5	7.7	6.8	5.7	5.0	4.9	6.7	6.5	5.5	5.2	7.9	6.9	5.5	6.3	6.4	6.1	6.3
* JAGUAR 3	6.3	6.8	6.1	7.1	6.3	6.1	7.3	6.8	6.7	8.0	6.3	6.2	5.7	3.9	6.3	7.1	5.2	5.3	7.6	6.3	5.3	5.8	6.4	5.9	6.3
MB 212	5.9	6.6	5.9	6.3	6.1	6.3	7.5	6.5	6.7	8.2	6.3	5.9	5.7	4.7	6.1	6.6	5.5	5.2	7.7	6.8	5.5	6.0	6.3	6.0	6.3
* WATCHDOG (PICK FA B-93)	6.0	6.6	6.0	5.8	6.6	6.4	7.1	6.9	6.5	7.8	6.8	6.2	5.7	4.6	5.3	6.3	5.4	5.1	7.7	6.5	5.5	6.1	6.3	5.8	6.2
* OLYMPIC GOLD (PST-5E5)	6.1	6.8	6.1	6.6	5.6	6.1	7.2	6.4	6.9	8.0	6.7	6.1	6.1	4.5	6.3	6.1	4.8	5.1	7.5	6.6	5.3	6.1	6.2	6.0	6.2
* DOMINION (PST-5M5)	5.5	6.4	5.9	6.3	5.8	6.1	7.4	6.3	6.5	7.8	6.9	6.0	5.8	4.7	6.4	6.8	4.5	5.0	7.7	6.5	6.0	6.2	6.3	5.8	6.2
* TAR HEEL	5.7	6.6	6.3	6.7	6.7	6.2	7.1	6.4	6.5	7.8	6.4	5.5	5.0	4.6	5.9	6.5	5.5	5.0	7.4	6.5	5.7	6.4	6.3	5.8	6.2
* WOLFPACK (PST-R5TK)	5.1	6.6	6.4	7.0	6.9	6.2	7.4	6.5	6.7	7.7	6.8	5.6	5.5	4.3	5.8	6.5	4.6	5.1	7.4	6.6	5.7	6.1	6.3	5.8	6.2
CU9502T	5.3	6.7	5.9	6.1	5.7	6.4	6.5	6.5	6.7	8.3	7.1	6.1	5.8	4.8	5.8	6.9	5.4	4.6	7.7	6.4	5.5	6.6	6.2	5.8	6.2
* REBEL SENIRY (AA-A91)	5.3	6.5	6.0	6.8	6.7	6.5	7.0	6.4	6.4	7.6	6.6	5.8	5.2	4.7	6.2	6.5	5.4	5.1	7.9	6.6	5.3	5.8	6.3	6.0	6.2
MB 29	6.4	6.4	5.8	6.0	5.6	6.0	6.9	6.3	6.3	8.1	6.6	5.8	5.6	5.0	6.6	6.0	5.0	4.8	7.7	7.0	5.2	6.1	6.2	6.5	6.2
* GAZELLE	5.5	6.8	6.2	5.8	6.3	5.8	7.9	6.9	6.4	7.5	6.0	6.0	5.1	4.7	5.8	6.8	5.7	5.0	7.9	6.5	4.9	6.1	6.4	5.8	6.2
MB 213	6.0	6.3	5.9	6.1	6.3	6.2	6.8	6.4	6.8	7.9	5.8	5.8	5.7	4.7	6.3	6.0	5.3	4.6	7.9	7.0	5.5	5.8	6.2	6.1	6.1
* ONCUE (PST-523)	5.9	6.8	6.1	6.7	6.1	6.2	7.3	6.6	6.2	7.5	6.7	5.5	5.1	4.6	5.6	6.7	4.6	5.1	7.7	6.5	5.7	5.7	6.3	5.7	6.1
R5AU	5.8	6.6	6.3	6.7	6.0	6.2	7.2	6.5	6.6	7.4	6.7	5.8	5.2	5.1	5.8	6.0	4.5	4.6	7.6	6.5	6.0	5.8	6.1	5.7	6.1
CU9501T	5.2	6.5	6.2	6.1	6.1	6.0	7.3	6.4	6.7	7.8	6.5	5.9	5.5	4.2	5.8	6.8	5.0	5.0	7.4	6.5	5.5	6.1	6.1	6.0	6.1
* ARID 3 (J-98)	5.9	6.6	5.8	6.5	5.7	6.0	6.5	6.6	6.5	7.5	6.9	5.8	4.9	4.5	6.3	6.7	5.6	4.8	7.7	6.8	5.9	5.1	6.2	5.9	6.1
* BRANDY (J-101)	5.3	6.9	6.0	6.1	5.8	6.2	7.2	6.5	6.3	7.2	5.9	5.5	5.6	5.0	5.9	6.2	5.8	4.1	7.9	6.6	5.0	5.8	6.3	5.9	6.1
* DURANA (MB 211)	5.9	6.5	5.8	5.9	6.5	6.2	7.4	6.3	6.5	8.2	5.9	6.0	6.0	4.5	6.1	6.3	4.7	4.5	7.6	6.8	5.3	5.8	6.2	5.9	6.1
* BONSAI 2000 (BULLET)	4.6	6.7	6.2	6.7	6.1	6.4	7.0	6.5	6.8	7.7	6.7	5.8	5.0	4.0	5.7	6.0	5.7	4.9	7.4	6.4	5.6	5.6	6.2	5.7	6.1
* BRAVO (RG-93)	4.9	6.6	5.7	6.6	6.3	6.0	6.9	6.5	6.5	7.8	6.3	5.9	5.5	4.5	5.6	6.0	5.0	5.0	7.6	6.5	5.1	6.1	6.4	6.0	6.1
OFI-931	5.5	6.2	5.9	6.3	5.4	6.1	6.5	6.7	6.2	7.8	6.3	5.7	5.4	5.0	5.9	5.9	4.6	4.9	7.6	6.7	6.0	6.3	6.2	5.9	6.0
* CORONADO	5.0	6.7	6.4	6.5	6.2	6.0	6.7	6.2	6.3	7.4	5.5	5.8	5.0	4.7	5.8	6.2	5.6	4.7	7.9	6.5	6.0	6.0	6.2	6.0	6.0
ATF-257	5.9	6.9	6.2	6.6	6.1	6.4	7.6	6.3	6.5	7.3	6.7	5.7	5.0	4.0	5.8	6.1	4.1	5.0	7.6	6.3	5.4	5.6	6.3	5.7	6.0
BAR FA 6D	5.6	6.4	6.2	6.3	5.1	6.1	6.3	6.7	6.7	7.8	6.5	5.6	5.7	4.8	5.0	6.0	5.5	4.3	7.9	6.8	5.6	5.5	6.3	6.2	6.0
* SOUTHERN CHOICE	5.4	6.5	6.0	6.1	5.7	6.0	6.5	6.3	6.3	7.2	6.5	5.9	6.0	4.2	5.7	6.6	4.8	5.1	7.4	6.6	5.8	6.0	6.2	5.9	6.0
BAR FA 6LV	5.6	6.5	6.1	6.6	4.9	6.0	6.7	6.5	6.6	7.7	6.0	6.1	5.4	4.8	5.5	5.8	5.4	4.1	7.8	6.7	6.0	5.6	6.2	6.0	6.0
* WYATT (ATF-188)	4.9	6.8	6.0	6.4	5.9	6.4	7.3	6.7	6.1	7.5	6.8	5.7	5.7	4.4	5.5	6.3	5.2	4.9	7.7	6.2	5.1	5.6	6.2	5.6	6.0
MB 28	5.8	6.1	5.6	6.0	5.8	6.0	6.6	6.0	6.4	7.5	6.7	5.6	6.0	4.6	5.8	6.1	5.4	5.0	7.6	7.0	5.2	5.8	6.1	6.2	6.0
MB 215	5.6	6.1	5.7	6.4	5.5	6.0	6.6	6.1	6.5	7.1	6.7	5.6	6.1	4.9	5.6	6.2	4.7	3.8	7.9	6.9	5.7	6.3	6.3	6.1	6.0
* ANTHEM II (TMI-FMN)	4.9	6.5	5.8	6.4	6.2	6.3	7.3	6.3	6.5	7.3	5.8	5.6	6.0	4.0	5.4	6.4	5.4	4.9	7.3	6.4	6.1	5.6	6.3	5.8	6.0
* GENESIS	5.4	6.2	5.8	6.4	6.2	6.0	6.6	6.3	6.4	7.5	6.8	5.2	4.6	5.6	6.0	5.1	3.9	7.4	6.8	5.5	6.6	6.2	5.9	6.0	6.0
* BARRERA (BAR FA6 US3)	5.3	6.4	6.0	4.9	5.4	6.4	6.7	6.6	6.3	8.3	6.6	5.3	5.6	4.8	5.9	6.3	5.1	4.7	8.0	7.0	5.0	5.3	6.1	6.3	6.0
MB 26	5.8	6.7	6.2	5.4	5.4	6.0	6.3	6.5	6.1	7.9	5.9	6.0	5.0	4.6	6.2	6.3	5.1	4.9	7.8	6.9	4.8	6.1	6.2	6.2	6.0
SR 8210	5.5	6.5	6.2	5.8	6.2	5.9	6.1	6.7	6.3	7.4	6.1	6.0	5.7	4.1	6.4	6.0	4.9	4.8	7.7	6.5	5.5	5.7	6.4	5.8	6.0
* EMPRESS	5.1	6.6	5.8	5.9	6.2	6.3	6.9	6.8	6.3	7.5	6.5	5.4	5.0	4.5	5.7	6.2	4.9	5.0	7.4	6.5	5.8	5.6	6.3	5.9	6.0

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S.
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	AR1	CA1	CA3	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	ME1	MI1	MO1	MO3	NE1	NJ1	NJ2	OH1	OK1	UT1	VA1	VA4	WA1	MEAN
PST-5TO	5.6	6.6	5.8	6.2	5.1	6.2	6.7	6.4	6.6	7.6	6.4	5.4	5.5	4.6	6.3	6.0	4.7	5.1	7.3	6.6	5.8	5.3	6.3	5.8	6.0
* RED COAT (ATF-038)	5.9	6.6	5.9	6.1	6.2	5.6	6.7	6.7	6.3	7.3	6.5	5.6	5.1	4.4	5.5	6.4	4.5	5.0	7.6	6.5	5.8	6.2	6.2	5.7	6.0
* MUSTANG II	5.8	6.6	5.6	6.6	5.8	6.2	7.7	6.5	6.5	7.2	6.5	5.9	5.5	4.2	5.8	6.2	4.4	4.8	7.5	6.5	5.3	5.3	6.2	5.5	6.0
MB 214	5.6	6.3	6.1	5.7	5.2	6.7	6.6	6.2	6.5	7.6	7.1	5.8	4.9	4.6	5.5	6.3	4.6	4.0	8.2	7.1	5.1	6.0	6.2	6.4	6.0
MB 216	5.8	6.0	5.7	6.2	6.2	5.7	6.3	6.2	6.3	7.2	6.4	5.9	6.1	4.6	6.1	6.1	4.8	4.3	7.7	6.9	5.7	5.7	6.1	6.2	6.0
BAR FA6 US2U	5.8	6.2	6.1	5.1	5.6	5.8	5.8	6.4	6.4	7.7	6.3	6.0	5.8	4.5	5.6	6.6	5.6	4.4	7.9	7.1	5.7	5.4	6.2	6.1	6.0
* REBEL 2000 (AA-989)	6.0	6.4	6.0	6.5	5.6	5.9	6.3	6.3	6.5	7.2	6.1	6.0	5.2	4.3	6.3	6.5	4.6	4.0	7.4	6.7	5.6	6.1	6.3	6.3	6.0
* BARRINGTON (BAR FA6D USA)	4.9	6.6	6.0	6.2	5.1	5.9	6.2	6.7	6.4	7.8	5.9	6.1	5.1	4.3	5.7	6.2	5.7	4.3	7.8	7.0	5.7	5.9	6.2	6.1	6.0
* CHAPEL HILL (TA-7)	4.9	6.0	5.8	6.4	6.0	6.0	6.5	6.2	6.3	7.7	6.7	6.0	6.3	4.9	5.3	6.3	4.5	4.3	7.6	6.6	5.5	6.1	6.2	5.8	6.0
* WILDFIRE (ATF-196)	5.6	6.7	6.2	5.9	5.9	6.0	7.1	6.5	6.2	6.3	6.4	5.4	5.1	4.8	5.5	6.7	5.5	4.9	7.7	6.5	5.1	5.7	6.2	5.6	6.0
AIRLIE (MB 210)	5.0	6.3	5.8	5.8	5.5	6.0	7.3	6.3	6.8	7.5	6.6	6.0	5.8	4.7	5.4	6.2	4.5	4.6	7.4	6.7	5.6	5.7	6.3	5.8	6.0
FINELAWN SLZ (ZPS-5LZ)	5.9	6.7	6.2	5.4	5.6	6.1	6.8	6.3	6.1	7.3	6.1	4.8	5.1	4.5	6.3	6.0	4.9	5.3	7.8	6.9	5.5	5.9	6.2	5.9	6.0
* APACHE II	5.9	6.4	6.0	6.4	6.0	6.3	6.3	6.3	6.5	7.9	6.3	5.9	4.9	4.2	5.3	6.4	4.8	4.7	7.7	6.4	5.6	5.6	6.3	5.8	6.0
* RESERVE (ATF-182)	5.5	6.4	6.0	7.0	4.7	5.7	7.4	6.5	6.5	7.2	6.8	5.8	5.6	4.4	5.0	6.4	4.4	4.7	7.3	6.5	5.4	6.4	6.2	5.9	6.0
OFI-96-31	5.3	6.4	6.0	5.7	6.0	5.8	6.2	6.5	6.3	7.1	5.6	5.8	5.8	4.8	5.7	6.5	5.0	4.8	7.6	6.7	5.4	6.0	6.1	6.2	6.0
* PIXIE E+	5.0	6.1	5.8	6.0	6.8	6.0	7.1	6.4	6.3	6.7	6.8	5.7	6.1	4.5	5.4	6.0	4.2	4.4	7.5	6.4	5.4	6.3	6.3	6.0	6.0
* BANDANA (EST-R5AE)	5.2	6.9	6.2	6.0	6.0	5.6	7.4	6.4	6.5	7.1	6.3	4.9	5.4	4.7	6.1	6.2	4.4	4.5	7.6	6.5	5.5	5.5	6.3	5.8	6.0
* AZTEC II (TMI-AZ)	4.5	6.8	6.3	6.4	6.2	6.0	6.7	6.6	6.6	7.4	5.5	5.3	5.9	4.4	5.5	6.0	5.1	4.5	7.6	6.5	5.4	5.7	6.3	6.0	6.0
* TF6 (BAR FA6 US6F)	5.4	6.4	5.9	5.6	5.4	5.7	6.0	6.3	6.4	7.5	6.3	5.7	5.4	4.9	6.1	6.1	4.5	4.8	7.8	6.7	6.0	6.0	6.3	5.8	6.0
* TRACER (BAR FA6 US1)	5.8	6.4	6.2	5.6	5.0	5.6	6.9	6.7	6.4	8.2	6.0	5.5	5.0	4.8	5.5	6.3	5.6	4.4	7.8	6.9	5.1	5.1	6.2	6.2	6.0
* CORONADO GOLD (PST-5RT)	5.5	6.7	6.1	6.9	5.8	6.5	6.0	6.4	6.3	7.4	5.5	5.5	6.0	4.6	5.8	5.7	4.8	4.7	7.8	6.5	5.1	5.4	6.2	6.0	6.0
PICK FA XK-95	5.8	6.5	6.0	5.8	5.7	6.4	6.2	6.4	6.3	7.3	5.2	5.1	6.2	4.7	5.7	6.0	5.0	5.0	7.4	6.6	5.3	6.0	6.1	6.0	5.9
OFI-951	5.6	6.5	5.8	5.6	5.3	6.1	6.4	6.5	6.2	7.3	6.5	5.3	5.7	4.7	6.0	6.3	4.8	4.6	7.7	6.6	5.5	5.6	6.4	5.8	5.9
* TULSA	5.2	6.8	6.1	6.3	5.8	6.2	6.8	6.5	6.4	7.2	6.3	5.5	5.6	4.4	5.6	6.2	4.2	5.0	7.3	6.5	5.2	5.7	6.2	5.7	5.9
ISI-TF11	5.1	6.3	5.5	6.0	6.4	6.2	7.1	6.3	6.3	7.6	6.9	5.4	6.1	4.3	5.5	5.7	4.3	4.6	7.3	6.3	5.6	5.8	6.2	5.7	5.9
ISI-TF9	5.0	6.5	5.9	5.8	5.8	6.4	7.2	6.3	6.3	7.8	6.4	5.4	5.9	4.4	5.3	6.1	4.5	4.2	7.6	6.5	5.9	5.5	6.3	5.6	5.9
* SUNPRO	6.0	6.2	6.0	5.7	5.9	6.1	5.7	6.3	5.9	7.8	6.3	5.9	5.2	4.4	5.5	6.5	5.3	4.7	7.6	6.5	5.7	5.3	5.9	6.0	5.9
* DUSTER	5.1	6.5	6.2	5.6	6.4	6.3	6.2	6.5	6.3	7.1	6.9	5.4	5.1	4.4	5.4	6.2	4.2	4.6	7.5	6.5	5.8	5.9	6.2	5.8	5.9
PICK FA N-93	4.7	6.6	6.1	5.3	4.9	5.5	6.9	6.6	6.3	7.6	6.1	5.4	5.5	5.0	6.5	5.6	5.4	4.9	7.9	6.6	5.5	5.4	6.0	6.0	5.9
* LION	5.6	6.2	5.9	5.6	5.8	6.2	6.7	5.9	6.4	7.2	6.0	5.5	6.2	4.5	5.5	5.9	4.4	4.5	7.6	6.9	6.2	5.7	6.3	5.7	5.9
PICK FA 20-92	5.0	6.6	6.1	5.9	5.6	6.0	6.5	6.5	6.3	6.8	6.6	6.2	5.0	4.6	5.6	6.0	4.3	5.3	7.6	6.8	5.2	5.2	6.1	6.3	5.9
* REGIMENT	5.1	6.4	5.5	5.8	6.8	5.8	6.7	6.4	6.2	7.1	6.5	5.4	5.1	4.6	5.7	6.0	4.7	4.8	7.4	6.4	5.5	6.2	6.3	5.5	5.9
* ARID II (J-3)	4.9	6.3	6.0	6.0	6.1	5.7	6.3	6.3	6.5	7.0	5.8	5.7	5.9	4.1	5.9	6.3	5.1	4.6	7.7	6.5	5.3	5.6	6.3	5.8	5.9
* ALAMO E	5.6	6.4	6.2	6.5	6.0	6.1	6.4	6.3	6.3	6.9	6.5	4.9	5.6	4.5	5.4	5.6	5.0	4.7	7.6	6.4	5.0	5.7	6.1	6.0	5.9
* TWILIGHT II (TMI-TW)	4.9	6.6	5.7	6.1	5.5	5.6	7.0	6.1	6.4	7.0	6.8	5.0	5.5	4.7	5.6	5.8	5.1	4.5	7.5	6.5	5.5	5.7	6.2	5.9	5.9
PRO 8430	4.9	6.4	6.0	6.5	6.4	6.3	7.2	6.4	6.3	6.7	6.0	5.4	5.6	4.4	5.1	6.2	4.0	4.0	7.5	6.3	5.4	6.0	6.3	5.6	5.9
SRX 8500	5.3	6.6	5.8	5.4	5.5	6.0	6.2	6.4	6.0	7.5	6.0	5.9	5.2	4.9	5.1	6.4	4.6	4.7	7.6	6.5	5.8	5.5	6.3	5.9	5.9
* BULLDAWG (PICK GA-96)	5.4	6.6	5.8	5.7	5.3	6.0	6.1	6.6	6.3	7.6	6.6	5.6	4.9	4.6	5.4	5.9	4.4	4.9	7.6	6.5	5.2	5.8	6.3	5.7	5.9
ATF-253	4.8	6.6	5.8	6.3	6.2	5.8	7.1	6.1	6.6	7.1	6.7	5.4	5.2	4.5	5.1	5.7	4.8	4.9	7.3	6.5	5.1	5.4	6.1	5.6	5.9
* SAFARI	5.3	6.4	5.5	6.3	6.3	6.3	6.3	6.3	6.5	7.3	6.7	5.4	5.4	4.4	5.7	6.0	3.9	3.8	7.5	6.2	5.8	5.8	6.3	5.3	5.9
OFI-FWY	5.4	6.4	5.8	5.7	5.8	5.9	5.8	6.4	6.1	7.5	6.1	5.4	4.9	4.7	5.3	6.1	5.0	4.2	7.6	6.7	5.7	5.9	6.4	5.6	5.8
* FALCON II	4.8	6.3	5.7	6.1	6.0	6.1	5.7	6.3	6.6	6.9	6.9	5.2	5.6	4.3	5.3	6.4	4.3	4.4	7.6	6.5	5.2	6.1	6.1	5.9	5.8
* SHENANDOAH	5.3	5.8	5.4	6.5	6.3	6.1	6.3	6.2	6.1	7.5	6.4	5.2	5.6	4.1	5.3	6.5	4.1	4.1	7.2	6.4	5.4	6.0	6.3	5.6	5.8
WX3-275	5.4	6.4	5.6	6.3	5.7	6.0	6.9	6.3	6.4	7.5	5.3	5.8	5.7	4.6	5.5	5.4	5.3	4.1	7.6	6.3	4.9	5.4	6.2	5.5	5.8
* RENEGADE	4.9	6.2	6.0	6.0	6.4	5.8	6.0	6.0	6.2	7.2	6.3	5.6	5.2	4.6	5.7	6.2	3.9	4.3	7.6	6.7	5.3	6.2	6.3	5.5	5.8

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S.
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	AR1	CA1	CA3	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	ME1	MI1	MO1	MO3	NE1	NJ1	NJ2	OH1	OK1	UT1	VA1	VA4	WA1	MEAN
* VELOCITY (AA-983)	5.6	6.3	5.7	5.9	4.8	5.6	6.8	6.3	6.5	7.0	5.8	5.9	5.7	4.6	5.9	6.5	3.8	4.0	7.7	6.3	5.2	6.1	6.1	5.9	5.8
* TOMAHAWK-E	4.8	6.5	6.0	5.8	5.1	6.3	6.1	6.2	6.3	7.1	6.7	5.7	4.8	4.5	5.8	6.2	4.6	3.8	7.4	6.5	5.7	6.0	6.2	5.8	5.8
* MARKSMAN EA 41	5.4	5.9	5.3	5.8	6.1	6.0	6.4	5.9	6.0	6.7	5.7	5.8	6.5	4.4	5.0	6.4	4.1	4.4	7.4	6.5	6.1	5.8	6.1	5.8	5.8
* COCHISE II ATF-022	5.4	6.5	5.6	5.3	5.6	6.0	5.9	6.3	6.4	7.1	6.0	5.7	5.3	4.8	6.0	5.3	4.8	4.8	7.7	6.7	4.4	5.7	6.0	6.0	5.8
ISI-TF10	5.7	6.6	5.6	6.4	5.3	6.0	6.5	6.4	6.2	6.8	6.2	5.4	5.2	4.5	5.2	5.9	4.4	4.3	7.4	6.5	5.0	5.7	6.1	5.8	5.8
* ARABIA (J-5) PICK FA 15-92	5.5	6.5	5.4	6.0	5.8	5.9	6.4	6.2	6.5	6.8	6.3	5.7	5.2	4.4	5.3	6.3	3.9	4.3	7.3	6.3	5.6	6.0	5.9	5.4	5.8
ISI-TF10	5.4	6.1	5.8	6.0	5.3	5.6	5.9	6.2	6.2	7.5	5.5	5.7	5.8	4.7	5.3	5.4	4.9	4.1	7.3	6.7	5.4	6.0	6.2	5.8	5.8
* ARABIA (J-5) PICK FA 15-92	5.4	6.4	6.0	5.1	5.1	5.8	5.8	6.6	6.1	7.3	5.6	5.4	5.6	4.5	5.1	5.7	5.1	4.4	7.9	6.6	5.3	5.4	6.3	6.0	5.8
PICK FA 15-92	5.4	6.7	5.8	5.5	5.6	6.2	6.2	6.5	6.0	6.8	4.8	4.8	5.6	4.7	5.7	6.1	5.2	4.6	7.4	6.5	5.3	4.9	6.1	6.1	5.8
* FINELAWN PETITE	4.4	6.1	5.7	6.5	5.7	5.9	5.9	6.1	6.2	7.3	6.2	5.2	5.7	3.9	5.3	5.5	4.6	4.2	7.4	6.7	5.5	6.3	6.1	5.8	5.7
* ARIZONA (PICK FA 6-91) GLEN EAGLE (EC-101)	5.4	6.5	5.6	5.3	4.8	5.5	6.4	6.5	6.3	6.5	6.1	5.7	5.0	4.9	5.8	5.7	4.0	4.3	7.9	6.5	5.7	5.2	6.0	6.1	5.7
ATF-020	4.9	6.4	5.8	5.9	5.8	5.8	6.0	6.3	6.5	7.5	6.0	5.5	5.4	4.3	5.6	5.2	3.9	4.5	7.5	6.5	5.1	5.8	6.1	5.7	5.7
ATF-020	5.5	6.4	5.9	5.8	4.8	5.6	6.7	6.0	6.3	7.1	6.8	5.6	5.1	3.6	5.5	6.0	3.9	4.3	7.3	6.3	5.2	5.7	5.9	5.8	5.7
* PEDESTAL (PC-AO) DP 50-9011	4.4	6.1	5.6	5.6	5.2	5.8	6.0	6.1	6.5	7.8	5.8	5.0	5.5	4.3	5.5	6.5	3.8	4.0	7.6	6.5	5.2	6.2	6.2	5.6	5.7
DP 50-9011	4.7	6.5	5.8	6.3	5.2	5.3	5.7	6.5	6.3	7.3	5.8	5.8	5.2	4.6	5.0	5.9	3.8	3.9	7.8	6.5	5.3	5.6	6.3	5.6	5.7
* LEPRECHAUN	4.8	6.2	5.9	6.2	5.8	5.9	5.5	5.9	6.1	6.8	6.3	5.4	5.2	4.4	5.0	5.8	3.9	4.2	7.4	6.2	5.8	6.0	6.1	5.7	5.7
* COMSTOCK (SSDE31) OFI-96-32	5.0	6.0	5.5	6.0	5.6	5.8	5.7	6.1	6.2	7.3	6.1	5.8	5.3	4.3	5.1	5.1	4.3	4.2	7.2	6.3	5.3	6.1	6.2	5.8	5.7
OFI-96-32	4.8	6.1	5.5	6.3	5.6	5.9	6.2	5.6	6.3	7.2	6.2	5.3	5.3	4.2	4.8	5.5	3.9	4.5	7.7	6.4	4.8	6.1	6.1	5.7	5.7
PSII-TF-9	4.9	5.9	5.3	5.8	5.9	5.6	6.1	6.0	6.1	7.0	6.8	5.0	6.0	4.0	4.8	5.6	3.7	4.5	7.1	6.5	5.3	6.3	6.1	5.9	5.7
HELIX (WVBB-1D)	5.1	5.9	5.3	6.3	5.6	6.0	5.7	5.8	6.3	7.1	5.8	4.8	5.5	4.4	5.1	5.8	4.0	4.6	7.3	6.4	5.1	6.1	6.1	5.7	5.6
* EQUINOX (IMI-N91) WVBB-1B	4.4	6.4	5.7	6.2	5.2	5.8	5.7	5.8	6.1	6.8	5.9	5.4	6.2	4.3	5.0	5.3	4.0	4.2	7.3	6.6	5.5	5.1	6.2	6.0	5.6
WVBB-1B	4.9	6.1	5.6	6.1	5.2	5.7	6.0	6.2	6.4	6.9	6.3	5.4	4.9	4.3	5.4	5.6	4.0	4.3	7.3	6.3	5.0	5.7	6.1	5.5	5.6
* SHORTSTOP II	5.0	6.6	6.0	4.8	5.6	5.5	5.6	6.2	6.3	6.9	5.5	4.6	4.9	4.2	5.5	6.4	4.6	4.5	7.7	6.2	5.1	5.1	6.1	5.9	5.6
* KITTY HAWK S.S.T. (SS45DW)	4.2	6.3	5.8	5.9	5.7	6.0	6.0	6.2	6.4	7.1	5.2	5.2	5.5	4.3	5.1	5.7	3.8	4.0	7.4	6.3	4.9	5.7	6.1	5.7	5.6
* GOOD-EN (KOOS 96-14) SRX 8084	4.7	5.7	5.1	5.2	5.3	5.6	5.9	5.4	6.3	7.0	7.1	5.2	5.7	4.3	4.8	5.2	4.5	4.7	7.3	6.3	5.0	6.2	6.1	5.7	5.6
SRX 8084	4.5	6.5	5.7	5.9	5.9	5.9	6.1	5.7	6.3	7.3	5.5	5.2	5.5	4.1	4.9	5.9	3.5	4.0	7.2	6.3	5.3	5.4	6.1	5.6	5.6
* WPEZE (WVBB-1C)	4.7	5.7	5.0	5.7	6.1	5.7	5.6	5.8	6.4	7.3	6.7	5.1	5.5	4.0	5.1	4.9	3.4	4.3	7.0	6.3	5.0	6.2	6.1	5.6	5.6
* TITAN 2	4.8	5.7	5.0	6.1	6.8	5.9	6.0	6.0	6.2	7.0	6.7	5.1	5.0	4.0	4.8	5.9	3.5	3.6	6.9	6.1	4.6	5.8	6.2	5.2	5.5
* AXIOM (ATF-192) PSII-TF-10	4.6	6.1	5.7	5.7	5.5	5.5	6.2	5.8	6.3	6.0	6.3	5.1	5.3	4.5	4.9	5.3	3.4	4.2	7.2	6.4	5.4	5.9	6.2	5.3	5.5
PSII-TF-10	4.6	6.1	5.2	5.5	5.1	5.6	5.9	5.7	6.1	6.9	6.0	5.3	5.3	4.0	5.1	5.7	4.2	4.1	7.2	6.3	5.1	5.4	6.1	5.9	5.5
JSC-1	3.9	5.9	5.4	5.6	5.7	5.7	5.1	5.8	6.1	7.2	6.4	5.3	4.9	3.8	5.4	5.9	3.6	3.9	7.3	6.3	5.5	5.8	6.0	5.5	5.5
JTTFC-96	4.6	6.2	5.4	6.3	5.7	5.5	5.7	6.1	6.0	7.3	6.2	4.9	5.2	4.2	4.6	5.8	3.0	3.9	7.2	6.0	5.4	5.6	6.1	4.9	5.5
PICK FA UT-93	5.1	6.4	5.8	4.8	4.5	5.0	5.3	6.4	6.2	7.2	5.2	5.6	4.7	4.4	5.3	5.8	4.0	4.2	7.6	6.4	5.3	4.8	5.8	5.7	5.5
* BONSAI JTTFA-96	4.2	6.1	6.0	5.5	5.2	5.8	5.7	6.2	6.2	6.6	5.5	5.0	5.7	4.3	5.4	5.4	3.3	3.8	7.2	6.2	5.2	5.4	5.8	5.4	5.5
JTTFA-96	4.1	6.0	5.5	5.9	5.4	5.4	5.5	6.3	4.5	6.5	6.1	4.6	5.3	3.3	4.9	5.9	3.2	4.0	7.1	5.9	5.2	5.8	6.1	5.0	5.3
DLF-1	4.1	5.5	4.7	5.8	5.5	5.2	5.1	5.4	6.3	6.4	5.5	4.6	4.6	4.1	4.8	5.3	2.7	3.1	7.0	6.0	4.9	5.5	6.0	5.0	5.1
* ARID DP 7952	3.9	5.3	5.1	6.1	6.1	4.9	5.2	5.6	5.5	6.4	6.5	4.4	5.2	3.5	4.1	5.5	2.5	2.4	6.6	5.7	5.1	5.6	5.9	4.7	5.1
DP 7952	3.4	5.2	4.3	4.9	6.2	4.9	4.6	5.8	5.6	5.9	6.1	4.9	5.4	4.0	4.3	4.8	2.1	3.1	6.7	5.8	4.8	5.2	5.7	4.9	4.9
AV-1	3.2	5.3	4.8	4.9	5.6	5.1	4.4	5.0	5.4	6.0	5.3	4.5	5.2	3.8	4.3	5.0	2.1	3.0	6.9	6.1	5.0	5.4	5.9	5.0	4.9
* KENTUCKY-31 W/ENDO.	2.9	3.1	4.0	5.7	5.3	3.9	3.3	2.9	4.2	4.6	3.8	3.3	5.6	4.0	2.5	3.3	1.2	1.0	5.2	4.9	3.7	4.1	4.8	3.7	3.8
LSD VALUE	1.0	0.4	0.6	1.1	1.2	0.6	1.0	0.4	0.4	0.6	1.2	0.7	1.1	0.6	0.7	0.7	1.1	0.8	0.5	0.4	1.1	0.8	0.3	0.4	0.2
C.V. (%)	11.3	4.4	6.0	10.3	12.6	6.1	9.8	3.5	4.3	4.9	11.7	8.0	11.9	8.4	7.9	7.7	14.8	10.6	4.1	3.6	12.3	9.0	3.2	4.1	8.2

* COMMERCIALY AVAILABLE IN THE USA IN 2000.

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 2.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S. 1/
1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
REMBRANDT (LTP-4026 E+)	6.3	6.4	6.6	6.6	6.7	6.5	6.2	6.2	6.6	6.9	6.8	7.0	6.5
MILLENNIUM (TMI-RBR)	7.0	6.9	6.6	6.7	7.0	6.4	6.1	6.2	6.4	6.7	6.6	6.8	6.5
PICK RT-95	6.4	6.7	6.6	6.4	6.8	6.5	6.2	6.2	6.5	6.8	6.9	7.0	6.5
PLANTATION (PENNINGTON-1901)	6.8	6.8	6.7	6.5	6.6	6.6	6.3	6.4	6.3	6.6	6.6	7.0	6.5
MASTERPIECE (LTP-SD-TF)	6.6	6.6	6.7	6.4	6.6	6.2	6.2	6.2	6.4	6.8	6.7	7.0	6.4
SCORPIO (ZPS-2PTF)	6.6	6.6	6.5	6.5	6.8	6.4	6.1	6.0	6.3	6.7	6.8	7.0	6.4
COYOTE	6.1	5.8	6.2	6.3	6.7	6.1	6.0	6.1	6.4	6.7	6.5	7.0	6.3
CROSSFIRE II	6.4	6.3	6.5	6.3	6.7	6.4	6.2	6.1	6.1	6.5	6.4	6.6	6.3
SHENANDOAH II (WRS2)	6.6	6.3	6.3	6.4	6.5	6.3	6.0	6.0	6.2	6.8	6.6	6.6	6.3
JAGUAR 3	6.6	6.4	6.9	6.4	6.3	6.1	5.9	6.2	6.2	6.6	6.3	6.7	6.3
MB 212	6.2	6.1	6.4	6.5	6.6	6.1	5.8	6.2	6.2	6.5	6.4	6.6	6.3
WATCHDOG (PICK FA B-93)	5.9	5.8	6.1	6.1	6.5	6.1	6.0	6.1	6.2	6.5	6.3	6.5	6.2
OLYMPIC GOLD (PST-5E5)	6.5	6.4	6.5	6.1	6.5	6.2	6.0	6.0	6.1	6.4	6.3	6.7	6.2
DOMINION (PST-5M5)	6.1	6.0	6.0	6.2	6.5	6.1	6.0	6.1	6.1	6.4	6.3	6.5	6.2
TAR HEEL	6.3	6.3	6.2	6.1	6.4	6.2	6.0	6.1	6.1	6.6	6.4	6.8	6.2
CU9502T	6.1	5.9	6.3	6.1	6.3	6.3	6.0	5.8	5.9	6.6	6.5	6.7	6.2
WOLFPACK (PST-R5TK)	7.0	6.6	6.5	6.2	6.2	6.1	5.9	6.0	6.0	6.5	6.4	6.9	6.2
REBEL SENTRY (AA-A91)	6.1	6.4	6.2	6.3	6.4	6.1	5.9	6.0	6.1	6.5	6.2	6.5	6.2
MB 29	5.9	5.6	6.3	6.3	6.6	6.2	5.9	5.9	6.1	6.3	6.2	6.4	6.2
GAZELLE	6.0	6.3	6.0	6.4	6.5	6.0	5.5	5.9	6.1	6.7	6.5	7.0	6.2
MB 213	5.8	5.9	5.9	6.3	6.7	6.1	6.0	5.9	5.9	6.5	6.1	6.5	6.1
ONCUE (PST-523)	6.6	6.5	6.5	6.2	6.2	6.1	6.0	5.7	5.9	6.5	6.4	6.7	6.1
R5AU	6.6	6.5	6.2	6.2	6.3	6.0	6.0	5.9	5.9	6.4	6.4	6.7	6.1
CU9501T	6.0	6.0	6.1	6.2	6.2	6.0	5.9	5.9	6.0	6.5	6.4	6.5	6.1
ARID 3 (J-98)	5.9	5.8	5.9	6.1	6.5	6.1	5.8	5.9	5.9	6.4	6.3	6.4	6.1
BRANDY (J-101)	6.1	5.9	6.0	6.1	6.5	6.0	5.7	5.9	6.0	6.5	6.2	6.7	6.1
DURANA (MB 211)	6.0	6.0	6.2	6.1	6.4	6.0	5.8	6.1	6.0	6.2	6.1	6.1	6.1
BONSAI 2000 (BULLET)	6.3	6.3	6.2	6.2	6.2	5.8	5.7	6.0	5.9	6.2	6.4	6.9	6.1
BRAVO (RG-93)	6.3	6.3	6.0	5.8	6.1	5.9	5.8	5.9	6.0	6.4	6.2	6.9	6.1
OFI-931	5.9	6.0	5.8	6.0	6.4	6.1	5.7	5.9	6.0	6.2	6.1	6.6	6.0
CORONADO	6.7	6.5	6.3	6.4	6.3	5.8	5.6	5.7	5.9	6.4	6.3	6.6	6.0
ATF-257	6.6	6.3	6.1	6.1	6.1	5.9	6.0	5.8	5.8	6.2	6.3	6.4	6.0
SOUTHERN CHOICE	6.1	6.1	6.4	6.0	6.2	5.9	5.9	5.9	5.9	6.2	6.1	6.5	6.0
BAR FA 6LV	6.3	6.0	6.2	6.2	6.7	6.0	5.6	5.7	5.8	6.2	6.3	6.9	6.0
BARRERA (BAR FA6 US3)	5.8	5.8	5.8	6.0	6.2	6.2	5.8	5.8	6.0	6.2	6.0	6.3	6.0
BAR FA 6D	6.3	6.2	6.0	6.1	6.3	6.2	5.7	5.6	5.9	6.3	6.1	6.7	6.0
WYATT (ATF-188)	6.1	6.0	5.9	6.1	6.3	5.8	5.8	5.9	5.9	6.4	6.3	6.5	6.0
MB 28	5.8	5.5	5.7	6.1	6.4	5.9	5.9	5.9	6.0	6.1	6.0	6.2	6.0
MB 26	6.1	5.8	5.7	6.3	6.6	5.9	5.6	5.7	5.9	6.3	6.4	6.7	6.0
MB 215	5.8	5.7	5.8	6.0	6.4	6.1	5.8	5.9	6.0	6.2	5.9	6.5	6.0
GENESIS	6.0	5.8	6.0	5.7	6.1	6.1	5.8	5.9	6.2	6.3	6.0	6.5	6.0
EMPRESS	6.1	6.2	6.0	6.1	6.2	5.9	5.8	5.9	5.8	6.3	6.2	6.3	6.0
SR 8210	6.1	6.1	6.0	6.3	6.2	5.9	5.6	5.9	5.9	6.2	6.1	6.7	6.0
MUSTANG II	6.4	6.3	6.2	6.1	6.0	5.8	5.9	5.8	5.8	6.3	6.4	6.7	6.0

TABLE 2. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S.
1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ANTHEM II (TMI-FMN)	6.3	6.1	6.0	5.9	6.1	5.8	5.7	5.9	6.0	6.3	6.3	6.5	6.0
RED COAT (ATF-038)	5.9	5.8	6.3	6.0	6.2	5.9	5.6	5.8	6.0	6.3	6.2	6.8	6.0
PST-5TO	6.3	6.1	6.2	5.8	6.1	5.8	5.9	6.0	5.9	6.2	6.3	6.4	6.0
MB 214	6.0	5.8	5.6	6.0	6.5	6.0	5.7	5.7	5.9	6.3	5.9	6.7	6.0
MB 216	5.6	5.8	5.9	6.1	6.2	6.1	5.7	5.8	5.8	6.3	5.9	6.2	6.0
BAR FA6 US2U	5.7	5.7	5.6	5.9	6.4	6.1	5.8	5.7	5.9	6.2	5.9	6.5	6.0
BARRINGTON (BAR FA6D USA)	6.1	5.9	5.8	5.9	6.5	6.0	5.6	5.7	5.9	6.3	6.2	7.0	6.0
CHAPEL HILL (TA-7)	6.3	5.9	6.1	6.1	6.2	5.9	5.7	5.9	5.8	6.2	5.9	6.5	6.0
WILDFIRE (ATF-196)	6.1	6.1	5.6	5.9	6.3	5.9	5.6	5.8	5.9	6.3	6.3	6.6	6.0
REBEL 2000 (AA-989)	6.1	6.4	6.0	6.0	6.2	5.8	5.9	5.8	6.0	6.2	6.0	6.5	6.0
AIRLIE (MB 210)	6.1	6.3	5.9	5.9	6.1	6.1	5.7	5.9	5.9	6.2	5.9	6.5	6.0
FINELAWN 5LZ (ZPS-5LZ)	6.0	6.0	6.0	6.0	6.3	5.8	5.8	5.6	6.1	6.3	6.1	6.5	6.0
APACHE II	6.0	5.9	6.2	6.0	6.2	5.7	5.8	6.0	5.8	6.3	5.9	6.4	6.0
OFI-96-31	6.1	5.8	5.8	6.1	6.4	5.9	5.8	5.8	5.8	6.2	5.8	6.5	6.0
PIXIE E+	6.1	5.8	6.0	5.9	6.1	5.8	5.8	6.0	5.8	6.1	5.9	6.4	6.0
BANDANA (PST-R5AE)	6.2	6.1	6.2	6.0	6.1	5.8	5.7	5.9	5.9	6.2	6.2	6.6	6.0
RESERVE (ATF-182)	6.6	6.2	6.2	5.9	6.2	5.8	5.7	5.8	5.7	6.3	6.4	6.8	6.0
AZTEC II (TMI-AZ)	6.3	6.1	6.2	6.2	6.2	5.9	5.6	5.8	5.8	6.2	6.1	6.9	6.0
TF6 (BAR FA6 US6F)	5.8	5.6	5.8	5.9	6.3	5.9	5.7	5.6	5.8	6.2	6.2	6.9	6.0
TRACER (BAR FA6 US1)	5.9	5.8	5.8	6.1	6.3	6.1	5.6	5.5	5.9	6.3	6.1	6.3	6.0
CORONADO GOLD (PST-5RT)	6.3	6.3	6.1	6.0	6.3	5.7	5.8	5.8	6.0	6.3	5.9	6.3	6.0
PICK FA XK-95	6.3	6.3	5.9	5.9	6.4	5.9	5.7	5.8	5.7	6.2	6.1	6.5	5.9
OFI-951	5.8	5.5	5.8	6.0	6.3	6.0	5.5	5.6	5.8	6.4	6.2	6.1	5.9
ISI-TF11	5.6	5.9	5.8	5.9	5.9	5.8	5.9	5.8	5.9	6.3	6.0	6.3	5.9
TULSA	6.4	6.2	6.0	6.0	6.3	5.9	5.6	5.7	5.8	6.2	6.1	6.4	5.9
ISI-TF9	6.3	6.2	6.3	5.9	5.9	5.8	5.8	5.9	5.8	6.2	5.9	6.4	5.9
SUNPRO	6.0	6.0	5.8	6.0	6.3	5.8	5.7	5.7	5.9	6.2	6.0	6.2	5.9
DUSTER	6.0	5.9	6.0	5.8	6.0	5.8	5.8	5.7	5.8	6.3	6.1	6.7	5.9
PICK FA N-93	5.4	5.6	5.4	5.9	6.3	6.0	5.6	5.8	5.9	6.3	6.0	6.3	5.9
PICK FA 20-92	6.4	6.0	5.7	6.0	6.4	5.9	5.6	5.7	5.7	6.0	6.1	6.3	5.9
LION	6.0	5.9	5.8	5.9	6.2	5.8	5.7	5.9	5.8	6.0	5.9	6.5	5.9
REGIMENT	6.0	6.0	5.9	5.8	6.0	5.8	5.6	5.7	5.9	6.2	6.2	6.6	5.9
ARID II (J-3)	6.1	5.8	6.0	6.1	6.4	5.9	5.5	5.6	5.6	6.1	6.0	6.2	5.9
ALAMO E	6.3	5.8	5.8	6.1	6.2	5.8	5.6	5.7	5.6	6.2	6.1	6.5	5.9
TWILIGHT II (TMI-TW)	6.3	5.9	5.9	6.0	6.2	5.6	5.7	5.8	5.7	6.0	6.0	6.3	5.9
PRO 8430	6.6	6.3	6.1	5.8	6.0	5.6	5.6	5.9	5.8	6.2	6.1	6.7	5.9
SRX 8500	5.8	5.8	5.9	6.0	6.3	5.8	5.5	5.6	5.8	5.9	6.0	6.5	5.9
BULLDAWG (PICK GA-96)	6.0	5.8	6.0	5.8	6.0	5.8	5.6	5.7	5.8	6.2	6.1	6.5	5.9
ATF-253	6.2	5.6	5.5	5.9	5.9	5.8	5.7	5.8	5.8	6.1	6.0	6.7	5.9
SAFARI	6.2	6.0	6.0	5.6	5.9	5.7	5.7	5.8	5.6	6.2	6.0	6.5	5.9
OFI-FWY	6.1	6.2	5.8	5.8	6.1	5.8	5.6	5.7	5.9	6.0	5.9	6.3	5.8
FALCON II	6.2	6.1	6.1	5.8	5.9	5.7	5.5	5.7	5.7	6.1	5.9	6.7	5.8
RENEGADE	6.0	6.0	6.0	5.7	6.1	5.9	5.7	5.5	5.6	6.1	5.8	6.7	5.8
VELOCITY (AA-983)	5.8	5.5	5.8	5.9	6.2	5.7	5.6	5.8	5.8	6.0	5.8	6.2	5.8
WX3-275	6.1	5.8	5.7	5.8	6.3	5.6	5.6	5.6	5.8	6.1	5.8	6.4	5.8

TABLE 2. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S.
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
TOMAHAWK-E	6.3	5.8	5.8	5.8	6.2	5.8	5.4	5.5	5.8	6.0	6.0	6.6	5.8
SHENANDOAH	5.8	6.2	6.3	5.6	5.9	5.7	5.6	5.6	5.7	6.1	6.0	6.0	5.8
MARKSMAN	5.4	5.3	5.9	5.8	5.9	5.7	5.6	5.7	5.8	6.1	5.7	6.3	5.8
EA 41	5.6	5.5	5.5	5.8	6.1	5.6	5.5	5.7	5.9	6.1	5.9	6.4	5.8
COCHISE II	6.3	5.8	5.9	5.8	6.1	5.7	5.5	5.5	5.7	6.0	5.9	6.7	5.8
ATF-022	5.9	5.7	5.6	5.9	6.1	5.6	5.7	5.7	5.6	6.0	5.6	6.3	5.8
ISI-TF10	6.1	6.1	5.8	5.8	6.0	5.7	5.7	5.5	5.8	6.0	5.8	6.5	5.8
PICK FA 15-92	5.8	5.6	5.8	5.8	6.3	5.7	5.5	5.5	5.7	6.2	5.8	6.1	5.8
ARABIA (J-5)	5.8	5.8	5.6	5.9	6.2	5.8	5.3	5.6	5.8	6.1	5.6	6.1	5.8
FINELAWN PETITE	6.0	5.9	5.9	5.8	5.9	5.6	5.6	5.5	5.7	6.0	5.8	6.5	5.7
GLEN EAGLE (EC-101)	6.0	6.0	5.8	5.6	6.0	5.6	5.6	5.6	5.6	6.0	5.8	6.7	5.7
ARIZONA (PICK FA 6-91)	5.6	5.5	5.4	5.8	6.2	5.7	5.5	5.5	5.7	5.9	5.7	6.0	5.7
ATF-020	5.8	5.8	5.7	5.9	6.1	5.6	5.5	5.5	5.6	5.8	5.8	6.4	5.7
PEDESTAL (PC-AO)	5.9	6.0	5.8	5.6	5.8	5.6	5.4	5.6	5.6	5.9	5.8	6.6	5.7
DP 50-9011	6.3	6.2	5.8	5.6	5.9	5.4	5.3	5.5	5.7	6.1	5.8	6.6	5.7
LEPRECHAUN	6.1	6.2	5.6	5.7	5.8	5.7	5.5	5.4	5.6	5.9	5.6	6.5	5.7
COMSTOCK (SSDE31)	5.9	5.9	5.8	5.5	5.7	5.5	5.5	5.8	5.5	5.9	5.8	6.3	5.7
OFL-96-32	6.3	6.2	5.8	5.7	5.9	5.6	5.5	5.7	5.4	5.8	5.5	6.1	5.7
PSII-TF-9	5.7	5.6	5.8	5.5	5.9	5.5	5.6	5.5	5.5	5.8	5.7	6.5	5.7
HELIX (WVPB-1D)	6.0	6.0	5.9	5.7	5.8	5.5	5.6	5.5	5.6	5.7	5.5	6.3	5.6
EQUINOX (TMI-N91)	6.4	6.0	5.8	5.6	5.7	5.4	5.4	5.5	5.4	5.9	5.8	6.4	5.6
WVPB-1B	6.4	6.1	5.9	5.6	5.6	5.7	5.4	5.4	5.5	5.8	5.6	6.4	5.6
SHORTSTOP II	5.7	5.5	5.3	5.6	6.3	5.7	5.3	5.3	5.4	5.9	5.4	5.9	5.6
KITTY HAWK S.S.T. (SS45DW)	6.1	6.2	5.6	5.5	5.8	5.5	5.4	5.4	5.6	5.9	5.6	6.5	5.6
GOOD-EN (KOOS 96-14)	5.3	5.2	5.4	5.6	6.0	5.5	5.5	5.5	5.4	5.5	5.5	6.1	5.6
SRX 8084	5.9	5.8	5.9	5.5	5.7	5.4	5.5	5.5	5.6	6.0	5.4	6.4	5.6
WPEZE (WVPB-1C)	5.4	5.5	5.7	5.6	5.8	5.4	5.4	5.5	5.4	5.5	5.4	6.2	5.6
TITAN 2	5.9	5.8	5.7	5.5	5.5	5.3	5.5	5.4	5.2	5.8	5.5	6.3	5.5
AXIOM (ATF-192)	6.0	6.0	5.5	5.2	5.6	5.3	5.3	5.5	5.6	5.9	5.7	6.4	5.5
PSII-TF-10	5.8	5.6	5.6	5.5	5.8	5.5	5.3	5.3	5.4	5.5	5.5	6.1	5.5
JSC-1	5.6	5.9	5.4	5.3	5.6	5.3	5.4	5.5	5.4	5.6	5.5	6.3	5.5
JTTFC-96	5.9	5.9	5.8	5.2	5.6	5.4	5.4	5.3	5.5	5.6	5.5	6.5	5.5
PICK FA UT-93	5.4	5.4	5.3	5.5	5.9	5.6	5.3	5.2	5.3	5.8	5.5	5.8	5.5
BONSAI	6.1	5.7	5.5	5.5	5.6	5.4	5.2	5.3	5.4	5.7	5.5	6.3	5.5
JTTFA-96	6.1	6.1	5.7	4.9	5.0	5.1	5.1	5.2	5.4	5.6	5.6	6.4	5.3
DLF-1	5.9	5.5	5.3	4.9	5.1	4.9	5.0	5.0	5.0	5.5	5.2	6.1	5.1
ARID	6.1	6.2	5.5	4.6	4.8	4.9	5.0	5.1	4.8	5.4	5.1	6.0	5.1
DP 7952	5.2	5.1	4.9	4.6	4.7	4.9	4.7	4.9	4.9	5.0	5.0	5.6	4.9
AV-1	5.2	5.2	4.7	4.6	4.9	4.7	4.9	4.7	4.8	5.2	4.8	6.1	4.9
KENTUCKY-31 W/ENDO.	4.4	4.7	4.5	3.6	3.8	3.5	3.7	3.9	3.6	3.8	3.5	4.4	3.8
LSD VALUE	0.9	0.6	0.7	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.3
C.V. (%)	16.0	13.1	20.4	20.7	20.5	22.1	21.3	22.3	24.5	18.6	19.0	11.3	15.5

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 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S. 1/
1999 DATA

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

NAME	AR1	CA1	CA3	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	ME1
REMBRANDT (LTP-4026 E+)	2.0	23.0	21.5	12.0	11.0	2.0	3.5	2.5	5.5	2.0	16.0	12.5
MILLENNIUM (TMI-RBR)	6.5	23.0	2.0	7.5	7.0	1.0	1.0	4.5	1.5	14.5	16.0	9.5
PICK RT-95	4.0	3.0	1.0	7.5	24.5	9.0	3.5	17.5	20.5	1.0	23.0	1.0
PLANTATION (PENNINGTON-1901)	5.0	11.0	3.0	1.0	45.5	14.0	34.5	28.0	5.5	14.5	16.0	7.0
MASTERPIECE (LTP-SD-TF)	13.0	1.5	36.0	3.5	8.0	6.0	5.0	4.5	1.5	11.5	4.5	63.5
SCORPIO (ZPS-2PTF)	8.0	9.5	6.0	14.5	12.5	4.5	2.0	17.5	43.5	9.0	1.5	57.5
COYOTE	30.5	29.0	46.0	65.5	19.5	19.5	7.0	22.5	33.0	32.0	1.5	3.0
CROSSFIRE II	23.0	1.5	33.0	28.0	1.0	4.5	24.0	13.0	8.5	32.0	79.0	38.0
SHENANDOAH II (WRS2)	6.5	18.5	10.0	45.0	22.0	7.5	9.0	36.0	33.0	32.0	16.0	51.5
JAGUAR 3	3.0	13.0	29.0	2.0	24.5	50.5	19.0	7.0	11.0	10.0	65.5	5.0
MB 212	16.0	29.0	65.0	45.0	43.0	22.5	11.0	36.0	11.0	6.5	65.5	23.5
WATCHDOG (PICK FA B-93)	13.0	35.5	53.5	91.0	12.5	14.0	32.0	2.5	24.5	20.5	16.0	3.0
OLYMPIC GOLD (PST-5E5)	9.0	7.5	29.0	19.0	88.0	50.5	28.0	60.5	3.0	11.5	32.0	9.5
DOMINION (PST-5M5)	46.5	83.0	61.5	39.0	61.5	46.0	14.0	68.5	20.5	25.5	9.0	19.5
TAR HEEL	34.0	29.0	7.5	10.5	9.5	32.0	30.0	60.5	43.5	20.5	58.0	75.0
WOLFPACK (PST-R5TK)	81.0	43.5	4.0	3.5	2.0	37.5	14.0	28.0	11.0	32.0	16.0	67.5
CU9502T	69.0	18.5	58.5	56.5	76.5	14.0	67.0	36.0	14.0	3.5	4.5	9.5
REBEL SENTRY (AA-A91)	69.0	51.0	53.5	9.0	9.5	10.0	38.0	60.5	57.0	41.0	41.5	42.5
MB 29	1.0	67.5	77.5	75.0	88.0	64.5	42.5	68.5	70.0	8.0	41.5	33.0
GAZELLE	46.5	7.5	14.0	92.5	19.5	96.5	6.0	1.0	49.0	53.5	95.0	19.5
MB 213	10.0	90.0	67.0	65.5	24.5	32.0	46.5	52.0	5.5	14.5	109.0	36.0
ONCUE (PST-523)	19.0	13.0	25.0	10.5	40.5	32.0	19.0	22.5	105.5	47.5	32.0	75.0
R5AU	26.0	32.0	7.5	13.0	50.0	32.0	26.0	44.5	20.5	59.5	32.0	36.0
CU9501T	73.5	60.0	21.5	63.0	38.0	72.0	17.0	52.0	14.0	18.0	49.5	23.5
ARID 3 (J-98)	19.0	46.0	71.0	22.0	76.5	72.0	64.0	22.5	33.0	47.5	9.0	42.5
BRANDY (J-101)	72.0	6.0	40.5	63.0	5.0	37.5	26.0	36.0	70.0	85.5	102.0	75.0
DURANA (MB 211)	19.0	51.0	77.5	81.5	95.0	37.5	14.0	68.5	43.5	5.0	102.0	15.5
BONSAI 2000 (BULLET)	114.0	16.5	17.5	14.5	38.0	19.5	36.5	28.0	8.5	36.0	32.0	33.0
BRAVO (RG-93)	101.0	29.0	91.0	18.0	24.5	53.5	39.5	44.5	33.0	25.5	65.5	27.0
OFT-931	49.0	98.0	64.0	45.0	100.0	48.0	67.0	9.0	99.0	20.5	65.5	51.5
CORONADO	84.5	25.5	5.0	25.5	33.5	57.5	53.5	97.5	89.0	59.5	118.5	42.5
ATF-257	21.5	4.5	21.5	16.0	43.0	14.0	10.0	78.5	33.0	68.0	32.0	51.5
BAR FA 6D	38.0	71.5	11.5	39.0	120.5	50.5	79.0	9.0	14.0	25.5	49.5	67.5
SOUTHERN CHOICE	58.5	60.0	40.5	56.5	76.5	64.5	67.0	68.5	80.0	79.5	49.5	23.5
BAR FA 6LV	43.5	55.0	26.5	17.0	124.0	64.5	50.5	36.0	16.5	32.0	95.0	6.0
WYATT (ATF-188)	99.0	15.0	56.5	29.5	56.5	18.0	21.5	9.0	116.5	44.0	23.0	57.5
MB 28	26.0	105.0	104.0	75.0	68.0	57.5	61.0	109.0	49.0	53.5	32.0	67.5
MB 215	35.0	110.5	98.0	29.5	95.0	72.0	59.5	105.0	33.0	97.0	32.0	61.0
ANTHEM II (TMI-FMN)	96.5	55.0	88.0	31.0	33.5	26.5	21.5	78.5	43.5	68.0	109.0	63.5
GENESIS	54.0	98.0	77.5	35.0	28.0	57.5	59.5	78.5	57.0	44.0	23.0	102.5
BARRERA (BAR FA6 US3)	65.5	67.5	53.5	127.0	102.5	14.0	53.5	17.5	89.0	3.5	41.5	96.5
MB 26	26.0	20.5	21.5	117.0	101.0	72.0	79.0	36.0	111.0	14.5	102.0	15.5
SR 8210	46.5	48.5	11.5	88.5	33.5	80.5	90.5	13.0	70.0	59.5	86.0	15.5
EMPRESS	77.5	35.5	77.5	83.5	30.0	22.5	44.0	6.0	70.0	47.5	49.5	93.0
PST-5TO	43.5	33.0	71.0	50.0	120.5	32.0	50.5	60.5	20.5	38.0	58.0	84.0

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S.
1999 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	AR1	CA1	CA3	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	ME1
RED COAT (ATF-038)	16.0	46.0	61.5	60.5	33.5	111.5	56.0	13.0	70.0	73.0	49.5	61.0
MUSTANG II	26.0	40.0	101.0	20.0	68.0	40.5	8.0	36.0	33.0	79.5	49.5	30.0
MB 214	38.0	92.5	29.0	103.5	110.5	3.0	58.0	91.5	33.0	41.0	4.5	42.5
MB 216	30.5	115.5	98.0	53.5	33.5	101.5	79.0	91.5	70.0	85.5	58.0	23.5
BAR FA6 US2U	26.0	98.0	33.0	124.0	82.5	96.5	110.0	60.5	49.0	32.0	73.0	19.5
REBEL 2000 (AA-989)	11.0	79.5	46.0	23.5	88.0	86.5	79.0	78.5	33.0	79.5	86.0	12.5
BARRINGTON (BAR FA6D USA)	94.5	40.0	46.0	51.0	118.5	80.5	83.0	13.0	57.0	25.5	102.0	9.5
CHAPEL HILL (TA-7)	93.0	113.0	71.0	36.0	50.0	64.5	64.0	97.5	80.0	32.0	32.0	19.5
WILDFIRE (ATF-196)	38.0	23.0	17.5	77.0	58.0	57.5	32.0	28.0	99.0	125.0	58.0	84.0
AIRLIE (MB 210)	84.5	88.5	71.0	95.5	95.0	72.0	19.0	86.5	5.5	44.0	41.5	15.5
FINELAWN 5LZ (ZPS-5LZ)	16.0	25.5	21.5	118.0	79.0	50.5	48.0	68.5	111.0	64.5	86.0	122.5
APACHE II	21.5	67.5	56.5	33.5	50.0	26.5	79.0	78.5	33.0	17.0	73.0	27.0
RESERVE (ATF-182)	51.0	83.0	46.0	5.0	128.0	101.5	14.0	44.5	43.5	79.5	16.0	42.5
OPI-96-31	69.0	71.5	40.5	99.0	50.0	96.5	83.0	44.5	70.0	91.5	113.5	42.5
PIXIE E+	84.5	104.0	77.5	68.0	5.0	72.0	34.5	60.5	89.0	117.0	23.0	51.5
BANDANA (PST-R5AE)	75.0	4.5	14.0	73.0	50.0	111.5	14.0	52.0	24.5	97.0	65.5	117.5
AZTEC II (TMI-AZ)	117.0	9.5	9.0	32.0	33.5	72.0	56.0	17.5	16.5	62.0	118.5	99.5
TF6 (BAR FA6 US6F)	54.0	75.0	61.5	109.5	102.5	101.5	99.0	68.5	57.0	53.5	73.0	51.5
TRACER (BAR FA6 US1)	30.5	75.0	21.5	109.5	122.0	111.5	42.5	13.0	57.0	6.5	95.0	72.0
CORONADO GOLD (PST-5RT)	51.0	20.5	33.0	6.0	65.5	7.5	99.0	52.0	89.0	59.5	118.5	77.5
PICK FA XK-95	30.5	60.0	37.5	95.5	71.0	14.0	85.0	52.0	70.0	68.0	126.0	110.0
OPI-951	38.0	55.0	77.5	107.0	106.0	43.0	72.5	36.0	105.5	73.0	49.5	99.5
TULSA	73.5	13.0	33.0	49.0	65.5	32.0	46.5	28.0	57.0	79.5	65.5	72.0
ISI-TF11	76.0	91.0	108.0	70.0	15.5	37.5	29.0	78.5	80.0	41.0	9.0	84.0
ISI-TF9	84.5	51.0	67.0	95.5	61.5	14.0	26.0	86.5	70.0	25.5	58.0	84.0
SUNPRO	13.0	95.0	40.5	100.0	54.5	46.0	116.0	68.5	124.0	25.5	73.0	30.0
DUSTER	77.5	60.0	16.0	106.0	15.5	22.5	83.0	36.0	89.0	91.5	9.0	84.0
PICK FA N-93	109.5	29.0	33.0	120.0	123.0	120.0	39.5	22.5	89.0	38.0	86.0	84.0
LION	41.5	98.0	67.0	111.0	61.5	32.0	50.5	113.5	57.0	85.5	95.0	77.5
PICK FA 20-92	88.5	40.0	26.5	83.5	82.5	72.0	64.0	36.0	70.0	113.0	41.5	3.0
REGIMENT	81.0	67.5	112.5	86.0	5.0	96.5	50.5	52.0	99.0	97.0	49.5	84.0
ARID II (J-3)	91.0	86.5	46.0	67.0	45.5	105.0	75.5	78.5	33.0	101.0	105.5	47.0
ALAMO E	41.5	83.0	14.0	25.5	50.0	43.0	71.0	86.5	70.0	108.5	49.5	119.5
TWILIGHT II (TMI-TW)	94.5	35.5	94.0	63.0	95.0	116.0	36.5	105.0	49.0	104.5	16.0	114.5
PRO 8430	91.0	75.0	37.5	23.5	14.0	22.5	23.0	52.0	70.0	118.5	95.0	93.0
SRX 8500	65.5	46.0	85.0	116.0	95.0	72.0	87.5	60.5	120.5	53.5	95.0	30.0
BULLDAWG (PICK GA-96)	54.0	40.0	77.5	101.5	104.5	57.5	93.0	22.5	89.0	38.0	41.5	67.5
ATF-253	103.5	43.5	88.0	39.0	28.0	89.0	32.0	101.5	20.5	91.5	32.0	84.0
SAFARI	69.0	83.0	110.0	41.5	19.5	26.5	75.5	78.5	43.5	73.0	32.0	93.0
OPI-FWY	58.5	77.5	83.0	101.5	61.5	80.5	108.5	52.0	116.5	53.5	86.0	84.0
FALCON II	106.0	92.5	94.0	56.5	50.0	46.0	116.0	68.5	20.5	106.0	9.0	102.5
SHENANDOAH	69.0	121.0	115.0	21.0	19.5	43.0	74.0	97.5	111.0	53.5	58.0	105.5
WX3-275	62.0	65.0	101.0	43.0	71.0	61.0	41.0	78.5	57.0	53.5	123.0	36.0
RENEGADE	91.0	94.0	46.0	72.0	17.0	92.0	102.0	109.0	105.5	85.5	73.0	67.5
VELOCITY (AA-983)	38.0	88.5	98.0	79.5	125.0	111.5	45.0	78.5	33.0	101.0	109.0	27.0

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S.
1999 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	AR1	CA1	CA3	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	ME1
TOMAHAWK-E	106.0	63.5	50.0	88.5	116.5	26.5	90.5	91.5	89.0	91.5	32.0	51.5
MARKSMAN	62.0	117.5	118.0	88.5	38.0	64.5	72.5	113.5	122.5	118.5	112.0	42.5
EA 41	56.5	55.0	106.0	119.0	82.5	77.0	106.5	78.5	57.0	91.5	95.0	57.5
COCHISE II	33.0	35.5	106.0	33.5	104.5	57.5	62.0	52.0	105.5	113.0	79.0	93.0
ATF-022	51.0	60.0	116.0	75.0	61.5	86.5	69.5	91.5	33.0	116.0	73.0	51.5
ISI-TF10	62.0	102.5	83.0	70.0	108.0	107.0	103.0	97.5	99.0	53.5	118.5	51.5
ARABIA (J-5)	56.5	71.5	51.0	123.0	118.5	96.5	108.5	22.5	111.0	64.5	113.5	84.0
PICK FA 15-92	62.0	16.5	71.0	115.0	88.0	40.5	87.5	44.5	120.5	113.0	128.0	122.5
FINELAWN PETITE	119.0	110.5	94.0	27.0	76.5	84.5	104.0	105.0	99.0	73.0	79.0	105.5
ARIZONA (PICK FA 6-91)	62.0	55.0	103.0	121.0	126.5	118.0	69.5	36.0	70.0	121.5	86.0	57.5
GLEN EAGLE (EC-101)	99.0	77.5	88.0	81.5	68.0	89.0	99.0	78.5	33.0	47.5	95.0	72.0
ATF-020	46.5	83.0	61.5	88.5	126.5	111.5	56.0	109.0	70.0	97.0	16.0	67.5
PEDESTAL (PC-AO)	120.0	102.5	101.0	108.0	114.0	92.0	99.0	101.5	33.0	20.5	105.5	114.5
DP 50-9011	111.0	63.5	83.0	37.0	110.5	123.0	111.0	44.5	80.0	64.5	109.0	33.0
LEPRECHAUN	102.0	98.0	58.5	52.0	61.5	80.5	121.0	115.0	111.0	113.0	73.0	93.0
COMSTOCK (SSDE31)	87.0	115.5	110.0	70.0	91.0	92.0	116.0	105.0	99.0	73.0	86.0	42.5
OFI-96-32	106.0	107.0	110.0	47.5	82.5	80.5	87.5	124.5	89.0	85.5	79.0	99.5
PSII-TF-9	99.0	117.5	119.0	95.5	54.5	111.5	93.0	111.0	116.5	101.0	23.0	113.0
HELIX (WVPB-1D)	81.0	120.0	120.0	47.5	82.5	64.5	113.0	120.0	89.0	97.0	109.0	121.0
EQUINOX (TMI-N91)	118.0	71.5	94.0	53.5	112.0	89.0	116.0	117.0	116.5	113.0	102.0	90.0
WVPB-1B	96.5	110.5	106.0	59.0	114.0	105.0	95.5	91.5	57.0	108.5	65.5	84.0
SHORTSTOP II	88.5	40.0	53.5	129.0	88.0	119.0	120.0	91.5	70.0	108.5	118.5	124.0
KITTY HAWK S.S.T. (SS45DW)	121.0	86.5	86.0	85.0	73.5	53.5	99.0	97.5	49.0	91.5	126.0	108.0
GOOD-EN (KOOS 96-14)	108.0	122.5	122.5	122.0	108.0	111.5	105.0	126.5	80.0	103.0	4.5	105.5
SRX 8084	116.0	48.5	90.0	78.0	56.5	84.5	93.0	122.5	89.0	73.0	118.5	105.5
WPEZE (WVPB-1C)	109.5	122.5	125.0	98.0	40.5	101.5	119.0	120.0	57.0	64.5	32.0	109.0
TITAN 2	103.5	124.0	124.0	56.5	3.0	80.5	95.5	112.0	99.0	104.5	32.0	111.5
AXIOM (ATF-192)	113.0	107.0	94.0	105.0	95.0	117.0	87.5	120.0	89.0	126.0	65.5	111.5
PSII-TF-10	112.0	110.5	121.0	114.0	116.5	111.5	106.5	122.5	116.5	108.5	95.0	99.5
JSC-1	125.0	119.0	114.0	112.0	73.5	105.0	125.5	117.0	116.5	85.5	58.0	96.5
JTTFC-96	115.0	101.0	117.0	41.5	71.0	121.0	116.0	105.0	122.5	73.0	79.0	119.5
PICK FA UT-93	79.0	79.5	77.5	128.0	129.0	126.0	123.0	60.5	105.5	79.5	126.0	61.0
BONSAI	122.0	107.0	46.0	113.0	114.0	96.5	112.0	97.5	105.5	120.0	118.5	116.0
JTTFA-96	123.5	114.0	112.5	79.5	99.0	122.0	122.0	86.5	128.0	121.5	86.0	126.0
DLF-1	123.5	125.0	127.0	92.5	95.0	124.0	125.5	126.5	89.0	123.5	118.5	125.0
ARID	126.0	126.5	122.5	60.5	43.0	128.0	124.0	124.5	126.0	123.5	49.5	128.0
DP 7952	127.0	128.0	128.0	126.0	28.0	127.0	127.0	117.0	125.0	128.0	86.0	117.5
AV-1	128.0	126.5	126.0	125.0	82.5	125.0	128.0	128.0	127.0	127.0	124.0	127.0
KENTUCKY-31 W/ENDO.	129.0	129.0	129.0	103.5	108.0	129.0	129.0	129.0	129.0	129.0	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-FOUR LOCATIONS IN THE U.S. 1/
 1999 DATA

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

NAME	MI1	MO1	MO3	NE1	NJ1	NJ2	OH1	OK1	UT1	VA1	VA4	WA1	MEAN
REMBRANDT (LTP-4026 E+)	42.0	4.0	27.5	3.0	3.0	2.0	3.0	19.0	36.5	10.5	73.5	14.0	1
MILLENNIUM (TMI-RBR)	21.5	7.0	77.5	15.0	1.0	5.5	5.0	34.0	41.0	55.0	16.5	5.5	2
PICK RT-95	12.5	23.5	2.5	4.0	7.0	5.5	21.5	91.0	26.0	5.0	1.0	38.5	3
PLANTATION (PENNINGTON-1901)	12.5	15.0	6.5	1.0	6.0	1.0	8.0	42.0	4.5	19.0	99.0	18.0	4
MASTERPIECE (LTP-SD-TF)	81.0	59.0	18.0	8.5	2.0	8.5	1.5	37.0	32.0	52.0	7.0	30.0	5
SCORPIO (ZPS-2PTF)	31.0	1.0	4.5	33.5	5.0	11.5	21.5	87.5	11.0	38.5	16.5	24.0	6
COYOTE	35.5	7.0	25.5	40.0	8.0	11.5	5.0	32.5	48.5	5.0	16.5	18.0	7
CROSSFIRE II	28.5	23.5	12.5	6.0	4.0	3.0	28.5	42.0	85.5	62.0	52.0	55.5	8
SHENANDOAH II (WRS2)	110.0	12.0	1.0	26.0	20.5	11.5	17.0	12.5	48.5	13.0	2.5	21.5	9
JAGUAR 3	42.0	123.0	12.5	2.0	33.0	5.5	55.0	112.0	85.5	69.0	7.0	49.0	10
MB 212	35.5	29.0	21.0	16.5	20.5	11.5	39.5	19.0	48.5	47.0	37.0	30.0	11
WATCHDOG (PICK FA B-93)	35.5	50.5	91.0	40.0	23.0	19.5	34.0	65.5	56.0	28.0	26.0	68.0	12
OLYMPIC GOLD (PST-5E5)	9.0	71.5	10.0	62.5	56.0	17.5	77.5	48.0	80.5	33.5	52.0	24.0	13
DOMINION (PST-5M5)	26.5	36.0	6.5	8.5	74.0	23.5	39.5	55.0	6.5	15.5	16.5	68.0	14
TAR HEEL	107.0	47.0	33.5	18.5	18.5	26.5	88.5	61.0	26.0	3.0	37.0	68.0	15
WOLFPACK (PST-R5TK)	68.5	98.0	36.5	22.5	66.0	14.5	95.0	42.0	22.0	22.5	16.5	79.0	16
CU9502T	24.0	23.5	40.0	5.0	26.5	59.5	34.0	91.0	60.5	1.5	73.5	68.0	17
REBEL SENTRY (AA-A91)	97.0	36.0	18.0	22.5	26.5	19.5	11.5	37.0	75.0	62.0	26.0	38.5	18
MB 29	50.0	9.0	2.5	77.0	43.5	43.0	34.0	5.0	96.0	28.0	73.5	1.0	19
GAZELLE	105.5	29.0	36.5	8.5	11.0	29.5	14.0	78.0	120.0	24.5	4.0	68.0	20
MB 213	42.0	36.0	15.0	86.0	30.0	65.0	8.0	3.0	56.0	62.0	73.5	14.0	21
ONCUE (PST-523)	98.0	55.0	63.5	12.0	66.0	14.5	45.0	78.0	32.0	79.0	16.5	89.5	22
R5AU	93.5	2.0	36.5	70.0	79.5	59.5	55.0	65.5	4.5	62.0	89.5	97.5	23
CU9501T	65.5	106.5	44.0	8.5	42.0	21.0	88.5	55.0	48.5	28.0	108.5	38.5	24
ARID 3 (J-98)	118.5	59.0	10.0	12.0	15.0	47.0	45.0	21.0	12.5	125.5	60.5	55.5	25
BRANDY (J-101)	50.0	4.0	30.5	57.0	9.0	102.0	11.5	48.0	114.0	69.0	16.5	55.5	26
DURANA (MB 211)	15.0	71.5	21.0	45.5	64.0	68.5	55.0	16.0	80.5	62.0	73.5	55.5	27
BONSAI 2000 (BULLET)	110.0	117.5	49.5	72.0	11.0	36.0	95.0	87.5	41.0	94.0	73.5	89.5	28
BRAVO (RG-93)	61.0	61.5	59.0	83.0	46.5	23.5	55.0	65.5	103.5	33.5	2.5	30.0	29
OFI-931	74.5	4.0	30.5	88.5	70.5	39.0	55.0	29.0	6.5	10.5	52.0	55.5	30
CORONADO	116.0	36.0	44.0	52.0	15.0	53.5	17.0	78.0	9.0	47.0	52.0	30.0	31
ATF-257	116.0	121.0	44.0	66.5	97.0	23.5	49.5	105.5	70.0	97.0	37.0	97.5	32
BAR FA 6D	35.5	23.5	115.0	77.0	18.5	90.5	17.0	16.0	36.5	103.0	37.0	8.0	33
SOUTHERN CHOICE	12.5	106.5	54.5	16.5	53.0	17.5	83.5	45.0	19.5	38.5	52.0	55.5	34
BAR FA 6LV	70.0	19.0	77.5	97.0	23.0	105.5	28.5	29.0	9.0	90.5	52.0	38.5	35
WYATT (ATF-188)	42.0	80.5	67.0	48.0	33.0	33.5	45.0	117.0	103.5	97.0	73.5	108.5	36
MB 28	16.5	50.5	40.0	66.5	26.5	29.5	65.0	7.0	96.0	62.0	108.5	11.0	37
MB 215	6.0	12.0	63.5	60.0	62.0	120.5	11.5	8.5	26.0	7.5	16.5	18.0	38
ANTHEM II (TMI-FMN)	12.5	117.5	86.5	28.0	23.0	32.0	111.5	91.0	2.5	94.0	16.5	68.0	39
GENESIS	.	55.0	63.5	83.0	41.0	119.0	83.5	19.0	60.5	1.5	73.5	45.0	40
BARRERA (BAR FA6 US3)	50.0	19.0	30.5	45.5	37.5	53.5	5.0	5.0	114.0	117.0	114.5	5.5	41
MB 26	113.5	43.0	18.0	40.0	37.5	36.0	28.5	8.5	126.0	33.5	60.5	8.0	42
SR 8210	31.0	110.0	8.0	83.0	50.0	47.0	39.5	55.0	48.5	85.0	7.0	79.0	43
EMPRESS	110.0	68.5	54.5	52.0	50.0	29.5	83.5	55.0	14.5	97.0	37.0	45.0	44
PST-5TO	61.0	43.0	10.0	77.0	62.0	16.0	103.5	42.0	16.5	116.0	37.0	62.0	45

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S.
1999 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	MI1	MO1	MO3	NE1	NJ1	NJ2	OH1	OK1	UT1	VA1	VA4	WA1	MEAN
RED COAT (ATF-038)	103.0	75.5	77.5	33.5	76.0	26.5	65.0	55.0	16.5	19.0	60.5	89.5	46
MUSTANG II	63.0	106.5	40.0	52.0	83.0	47.0	77.5	65.5	75.0	118.5	52.0	115.5	47
MB 214	124.0	47.0	71.5	40.0	70.5	108.5	1.5	2.0	109.5	47.0	73.5	2.0	48
MB 216	9.0	43.0	21.0	66.5	56.0	90.5	34.0	12.5	32.0	85.0	108.5	8.0	49
BAR FA6 US2U	28.5	64.0	59.0	14.0	13.0	79.5	17.0	1.0	32.0	111.0	73.5	21.5	50
REBEL 2000 (AA-989)	93.5	98.0	15.0	26.0	70.5	111.5	99.0	29.0	36.5	33.5	37.0	3.0	51
BARRINGTON (BAR FA6D USA)	100.0	91.5	49.5	57.0	11.0	90.5	21.5	5.0	26.0	56.5	73.5	14.0	52
CHAPEL HILL (TA-7)	2.0	10.0	99.0	45.5	79.5	85.0	65.0	42.0	48.5	24.5	73.5	68.0	53
WILDFIRE (ATF-196)	103.0	17.0	71.5	12.0	17.0	36.0	34.0	78.0	103.5	85.0	52.0	104.5	54
AIRLIE (MB 210)	24.0	36.0	82.0	52.0	76.0	65.0	95.0	22.0	36.5	79.0	26.0	79.0	55
FINELAWN 5LZ (ZPS-5LZ)	105.5	61.5	15.0	77.0	50.0	8.5	25.0	12.5	56.0	54.0	73.5	45.0	56
APACHE II	124.0	103.0	99.0	29.5	56.0	53.5	45.0	98.0	41.0	90.5	37.0	79.0	57
RESERVE (ATF-182)	55.5	87.0	115.0	29.5	86.0	49.5	108.5	78.0	65.0	5.0	73.5	49.0	58
OFI-96-31	24.0	23.5	49.5	22.5	43.5	43.0	65.0	24.5	70.0	38.5	89.5	11.0	59
PIXIE E+	9.0	64.0	86.5	72.0	93.0	77.5	77.5	94.5	65.0	10.5	37.0	38.5	60
BANDANA (PST-R5AE)	72.0	36.0	23.5	52.0	86.0	68.5	49.5	55.0	48.5	104.5	16.5	79.0	61
AZTEC II (TMI-AZ)	19.5	80.5	71.5	77.0	37.5	72.0	72.0	78.0	70.0	85.0	16.5	38.5	62
TF6 (BAR FA6 US6F)	72.0	12.0	23.5	62.5	79.5	43.0	28.5	24.5	9.0	42.0	16.5	68.0	63
TRACER (BAR FA6 US1)	116.0	23.5	67.0	40.0	15.0	81.5	25.0	10.0	103.5	123.5	73.5	11.0	64
CORONADO GOLD (PST-5RT)	16.5	43.0	44.0	104.0	56.0	53.5	25.0	78.0	103.5	114.0	52.0	30.0	65
PICK FA XK-95	3.0	29.0	49.5	83.0	46.5	23.5	88.5	48.0	78.0	38.5	99.0	24.0	66
OFI-951	31.0	36.0	27.5	40.0	59.5	65.0	45.0	37.0	48.5	99.5	7.0	62.0	67
TULSA	50.0	87.0	59.0	60.0	95.0	29.5	103.5	55.0	96.0	85.0	52.0	89.5	68
ISI-TF11	7.0	91.5	71.5	104.0	90.0	65.0	111.5	105.5	41.0	62.0	73.5	97.5	69
ISI-TF9	21.5	87.0	95.0	66.5	76.0	99.5	72.0	78.0	12.5	102.0	37.0	102.0	70
SUNPRO	86.0	80.5	67.0	22.5	30.0	49.5	65.0	78.0	26.0	118.5	122.0	30.0	71
DUSTER	100.0	80.5	86.5	52.0	93.0	59.5	77.5	55.0	19.5	52.0	60.5	79.0	72
PICK FA N-93	65.5	7.0	4.5	109.5	26.5	39.0	11.5	37.0	48.5	109.0	118.0	30.0	73
LION	5.0	68.5	77.5	88.5	83.0	73.5	65.0	12.5	1.0	85.0	26.0	89.5	74
PICK FA 20-92	113.5	50.5	59.0	77.0	88.0	5.5	65.0	16.0	96.0	120.5	99.0	4.0	75
REGIMENT	103.0	55.0	54.5	77.0	62.0	43.0	83.5	98.0	56.0	21.0	37.0	112.5	76
ARID II (J-3)	19.5	112.0	33.5	45.5	37.5	59.5	39.5	78.0	80.5	90.5	37.0	79.0	77
ALAMO E	55.5	71.5	86.5	109.5	46.5	57.0	55.0	94.5	114.0	74.0	114.5	38.5	78
TWILIGHT II (TMI-TW)	58.5	29.0	59.0	100.0	37.5	70.5	77.5	78.0	60.5	75.5	73.5	49.0	79
PRO 8430	55.5	75.5	104.5	60.0	104.0	111.5	77.5	105.5	70.0	42.0	37.0	102.0	80
SRX 8500	86.0	15.0	109.0	33.5	70.5	53.5	55.0	78.0	14.5	104.5	37.0	55.5	81
BULLDAWG (PICK GA-96)	121.5	43.0	82.0	88.5	86.0	39.0	55.0	65.5	96.0	62.0	26.0	89.5	82
ATF-253	86.0	59.0	104.5	104.0	59.5	33.5	103.5	78.0	109.5	107.0	99.0	108.5	83
SAFARI	74.5	80.5	54.5	72.0	110.0	120.5	77.5	120.0	19.5	69.0	37.0	120.0	84
OFI-FWY	118.5	36.0	95.0	66.5	46.5	95.5	65.0	24.5	32.0	56.5	7.0	102.0	85
FALCON II	50.0	91.5	95.0	33.5	90.0	77.5	65.0	65.5	90.5	28.0	108.5	45.0	86
SHENANDOAH	50.0	109.0	91.0	26.0	97.0	103.5	116.0	98.0	65.0	47.0	16.5	104.5	87
WX3-275	42.0	47.0	77.5	116.0	30.0	103.5	65.0	114.5	122.0	114.0	73.5	115.5	88
RENEGADE	93.5	55.0	49.5	52.0	106.5	90.5	55.0	32.5	80.5	19.0	37.0	115.5	89
VELOCITY (AA-983)	35.5	55.0	30.5	20.0	114.0	111.5	45.0	105.5	96.0	33.5	89.5	55.5	90

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN IN FULL SUN AT TWENTY-FOUR LOCATIONS IN THE U.S.
1999 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	MI1	MO1	MO3	NE1	NJ1	NJ2	OH1	OK1	UT1	VA1	VA4	WA1	MEAN
TOMAHAWK-E	126.0	71.5	44.0	57.0	66.0	122.0	88.5	55.0	26.0	47.0	73.5	79.0	91
MARKSMAN	1.0	75.5	112.0	33.5	97.0	79.5	95.0	55.0	2.5	69.0	99.0	73.0	92
EA 41	81.0	19.0	25.5	120.5	56.0	43.0	34.0	29.0	128.0	85.0	118.0	30.0	93
COCHISE II	93.5	64.0	101.0	94.0	83.0	85.0	88.5	65.5	117.5	75.5	108.5	62.0	94
ATF-022	89.5	84.5	99.0	40.0	106.5	90.5	103.5	105.5	41.0	47.0	124.5	119.0	95
ISI-TF10	26.5	29.0	95.0	117.5	52.0	107.0	111.5	29.0	65.0	42.0	52.0	79.0	96
ARABIA (J-5)	55.5	66.5	104.5	107.5	37.5	81.5	8.0	37.0	75.0	111.0	37.0	30.0	97
PICK FA 15-92	50.0	36.0	49.5	66.5	33.0	62.0	88.5	78.0	75.0	127.0	89.5	18.0	98
FINELAWN PETITE	42.0	124.0	95.0	115.0	70.5	95.5	95.0	24.5	60.5	7.5	99.0	79.0	99
ARIZONA (PICK FA 6-91)	110.0	15.0	36.5	104.0	102.0	85.0	17.0	65.5	26.0	120.5	118.0	18.0	100
GLEN EAGLE (EC-101)	76.0	91.5	63.5	124.0	110.0	73.5	77.5	78.0	103.5	73.0	89.5	97.5	101
ATF-020	100.0	127.0	71.5	83.0	106.5	85.0	111.5	105.5	96.0	79.0	122.0	79.0	102
PEDESTAL (PC-AO)	65.5	98.0	77.5	18.5	112.0	114.5	65.0	78.0	90.5	15.5	52.0	108.5	103
DP 50-9011	86.0	50.5	115.0	94.0	114.0	118.0	21.5	55.0	85.5	94.0	16.5	108.5	104
LEPRECHAUN	93.5	84.5	112.0	97.0	110.0	95.5	95.0	121.0	19.5	47.0	99.0	89.5	105
COMSTOCK (SSDE31)	81.0	98.0	104.5	125.0	90.0	95.5	119.5	112.0	85.5	28.0	52.0	68.0	106
OFI-96-32	77.5	103.0	120.0	113.5	106.5	75.5	45.0	98.0	124.5	22.5	99.0	89.5	107
PSII-TF-9	18.0	121.0	123.0	111.5	116.0	75.5	121.0	78.0	85.5	10.5	99.0	45.0	108
HELIX (WVPB-1D)	61.0	80.5	104.5	100.0	99.5	65.0	103.5	91.0	103.5	33.5	108.5	97.5	109
EQUINOX (TMI-N91)	4.0	91.5	112.0	120.5	102.0	99.5	103.5	46.0	48.5	125.5	73.5	38.5	110
WVPB-1B	121.5	98.0	82.0	111.5	99.5	90.5	103.5	116.0	119.0	79.0	89.5	115.5	111
SHORTSTOP II	124.0	106.5	71.5	33.5	70.5	70.5	34.0	118.5	103.5	123.5	108.5	55.5	112
KITTY HAWK S.S.T. (SS45DW)	65.5	98.0	109.0	107.5	114.0	108.5	95.0	105.5	122.0	79.0	89.5	97.5	113
GOOD-EN (KOOS 96-14)	42.0	91.5	121.0	123.0	79.5	53.5	103.5	114.5	117.5	15.5	89.5	89.5	114
SRX 8084	68.5	112.0	118.5	91.5	118.0	114.5	116.0	105.5	85.5	107.0	89.5	108.5	115
WPEZE (WVPB-1C)	58.5	115.0	109.0	127.0	120.5	85.0	123.5	105.5	114.0	15.5	108.5	108.5	116
TITAN 2	110.0	114.0	123.0	88.5	119.0	124.0	125.5	122.0	127.0	62.0	73.5	122.0	117
AXIOM (ATF-192)	81.0	66.5	118.5	120.5	120.5	99.5	116.0	91.0	65.0	52.0	73.5	121.0	118
PSII-TF-10	77.5	117.5	104.5	104.0	93.0	105.5	116.0	112.0	109.5	111.0	108.5	55.5	119
JSC-1	120.0	125.0	86.5	91.5	117.0	116.5	108.5	105.5	56.0	72.0	118.0	112.5	120
JTTFC-96	93.5	103.0	125.0	97.0	124.0	116.5	119.5	124.5	70.0	99.5	89.5	127.0	121
PICK FA UT-93	127.0	75.5	91.0	100.0	102.0	99.5	72.0	98.0	75.0	128.0	127.0	89.5	122
BONSAI	35.5	98.0	86.5	117.5	122.0	123.0	116.0	118.5	90.5	114.0	126.0	118.0	123
JTTFA-96	81.0	129.0	117.0	94.0	123.0	111.5	122.0	126.0	90.5	69.0	108.5	125.0	124
DLF-1	128.0	112.0	123.0	120.5	125.0	125.0	123.5	124.5	122.0	101.0	118.0	123.5	125
ARID	86.0	128.0	128.0	113.5	126.0	128.0	128.0	128.0	109.5	90.5	122.0	128.0	126
DP 7952	72.0	121.0	127.0	128.0	127.5	126.0	127.0	127.0	124.5	122.0	128.0	126.0	127
AV-1	89.5	126.0	126.0	126.0	127.5	127.0	125.5	123.0	114.0	107.0	124.5	123.5	128
KENTUCKY-31 W/ENDO.	46.0	117.5	129.0	129.0	129.0	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
GROWN UNDER TRAFFIC STRESS AT MEAD, NE 1/
1999 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
CU9501T	7.0	7.7	7.3	7.0	7.0	7.0	6.7	7.1
MUSTANG II	6.7	8.0	7.7	6.0	6.7	7.3	7.0	7.0
WATCHDOG (PICK FA B-93)	6.3	7.7	7.3	6.3	6.7	7.3	6.7	6.9
BONSAI 2000 (BULLET)	6.3	8.0	7.3	5.3	6.7	7.0	7.0	6.8
JSC-1	5.7	7.3	7.3	6.3	7.3	7.0	6.7	6.8
MB 213	5.7	7.7	7.0	5.7	6.7	7.7	7.0	6.8
TRACER (BAR FA6 US1)	5.7	7.3	7.3	6.3	7.3	7.0	6.0	6.7
BRANDY (J-101)	5.7	7.3	6.0	6.3	7.3	7.7	6.3	6.7
PICK FA UT-93	6.3	7.0	6.7	6.3	6.7	7.0	6.7	6.7
PICK RT-95	6.0	7.7	7.3	6.3	6.3	6.7	6.3	6.7
SOUTHERN CHOICE	6.3	7.3	7.0	5.3	6.7	7.0	7.0	6.7
AIRLIE (MB 210)	6.0	6.7	7.0	6.7	7.0	6.7	6.3	6.6
BANDANA (PST-R5AE)	6.0	7.3	6.7	6.7	7.0	6.3	6.3	6.6
MASTERPIECE (LTP-SD-TF)	6.0	7.0	7.0	7.0	6.7	6.7	6.0	6.6
R5AU	6.3	7.3	6.7	6.0	7.0	6.7	6.3	6.6
BARRERA (BAR FA6 US3)	6.0	7.3	7.0	5.7	6.7	7.3	6.0	6.6
OFI-FWY	6.0	7.7	6.7	5.0	6.0	7.3	7.3	6.6
SHENANDOAH	5.3	7.3	6.7	6.0	7.3	6.3	7.0	6.6
SHORTSTOP II	6.3	7.7	6.0	6.3	6.3	7.0	6.3	6.6
WOLFPACK (PST-R5TK)	6.0	6.7	6.7	5.7	7.0	7.0	6.7	6.5
COYOTE	6.0	7.3	7.0	6.3	6.3	6.3	6.3	6.5
JTTFA-96	6.3	7.0	7.0	5.7	6.3	7.0	6.3	6.5
OFI-96-31	6.7	6.3	7.0	5.7	7.0	7.0	6.0	6.5
PLANTATION (PENNINGTON-1901)	5.7	7.0	7.3	6.0	6.7	6.7	6.3	6.5
WYATT (ATF-188)	5.3	7.0	7.7	6.3	6.3	7.0	6.0	6.5
JAGUAR 3	5.7	7.3	6.7	5.7	7.0	6.7	6.3	6.5
TAR HEEL	5.7	7.0	6.7	6.0	6.3	7.0	6.7	6.5
BULLDAWG (PICK GA-96)	5.7	7.0	6.7	5.7	7.0	6.3	7.0	6.5
DP 50-9011	6.0	7.7	6.0	5.3	7.0	7.0	6.3	6.5
ISI-TF9	6.3	6.3	6.7	5.7	6.3	6.7	7.3	6.5
MB 212	6.0	6.3	6.7	6.3	6.7	7.3	6.0	6.5
SCORPIO (ZPS-2PTF)	5.3	7.3	7.0	5.7	7.0	6.3	6.7	6.5
BAR FA 6LV	6.0	7.3	6.7	6.0	6.7	6.0	6.3	6.4
BARRINGTON (BAR FA6D USA)	5.7	7.7	6.7	5.7	6.3	6.7	6.3	6.4
BONSAI	6.0	6.7	7.7	5.7	6.3	6.3	6.3	6.4
FALCON II	6.0	6.7	7.0	5.3	6.0	7.7	6.3	6.4
MB 216	6.0	7.0	7.3	5.3	6.3	6.7	6.3	6.4
AZTEC II (TMI-AZ)	6.0	6.3	6.7	5.7	7.0	6.7	6.3	6.4
PICK FA N-93	5.7	7.7	5.7	6.0	6.7	6.7	6.3	6.4
COCHISE II	6.7	7.3	6.7	5.3	6.7	6.3	5.7	6.4
MB 214	6.0	7.3	6.7	4.7	6.0	8.0	6.0	6.4
SR 8210	5.7	6.7	7.0	5.7	6.7	6.7	6.3	6.4
CROSSFIRE II	5.3	7.3	6.0	5.3	6.7	7.3	6.3	6.3
GENESIS	6.0	7.0	6.7	5.0	6.3	6.7	6.7	6.3

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER TRAFFIC STRESS AT MEAD, NE
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS								
NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
ISI-TF11	5.7	7.0	7.3	6.0	6.0	6.0	6.3	6.3
PIXIE E+	6.3	6.7	6.7	5.0	6.3	7.0	6.3	6.3
CORONADO	6.3	6.7	6.7	5.3	6.3	6.7	6.0	6.3
REBEL SENTRY (AA-A91)	6.0	7.0	6.3	6.3	6.3	6.3	5.7	6.3
ARABIA (J-5)	5.7	7.7	6.3	5.3	6.3	6.3	6.3	6.3
DUSTER	6.0	7.0	7.0	5.0	6.3	7.0	5.7	6.3
BAR FA6 US2U	5.0	7.3	7.0	5.3	6.7	6.0	6.3	6.2
GLEN EAGLE (EC-101)	6.0	7.0	6.0	5.3	6.0	7.7	5.7	6.2
PSII-TF-10	6.0	6.7	6.7	5.3	6.3	6.3	6.3	6.2
KITTY HAWK S.S.T. (SS45DW)	5.7	7.0	6.0	5.7	7.0	6.3	5.7	6.2
ARIZONA (PICK FA 6-91)	5.7	6.7	7.3	5.7	6.3	5.7	5.7	6.1
DP 7952	6.7	6.7	6.3	5.0	6.3	6.0	6.0	6.1
EMPRESS	6.3	6.3	6.7	5.7	6.3	5.3	6.3	6.1
GAZELLE	6.0	7.0	6.3	5.3	5.7	7.0	5.7	6.1
PSII-TF-9	5.7	7.3	6.7	5.3	6.3	5.7	6.0	6.1
RED COAT (ATF-038)	5.0	7.3	6.0	5.7	6.3	7.0	5.7	6.1
REGIMENT	6.3	6.7	5.7	5.3	6.7	6.3	6.0	6.1
SUNPRO	6.3	7.3	7.0	5.3	5.7	5.7	5.7	6.1
TF6 (BAR FA6 US6F)	5.7	7.0	6.3	5.7	5.7	7.7	5.0	6.1
APACHE II	5.3	6.7	6.0	5.3	6.0	7.0	6.3	6.1
BAR FA 6D	5.7	7.7	6.7	5.0	6.0	6.0	5.7	6.1
BRAVO (RG-93)	6.0	6.7	6.3	5.0	5.7	6.3	6.7	6.1
MB 29	5.7	7.0	6.7	5.0	6.3	6.3	5.7	6.1
PST-STO	5.7	6.3	7.3	5.3	6.0	5.7	6.3	6.1
ARID	5.7	6.3	6.0	5.3	6.3	6.7	6.0	6.0
CU9502T	6.0	7.3	6.7	5.0	6.0	6.0	5.3	6.0
OFI-931	5.7	7.3	7.0	5.0	6.0	6.0	5.3	6.0
VELOCITY (AA-983)	6.0	7.0	6.3	5.3	6.3	5.7	5.7	6.0
WILDFIRE (ATF-196)	6.0	6.7	5.0	5.0	6.0	7.0	6.7	6.0
ALAMO E	6.3	7.7	6.3	4.3	6.3	5.3	5.7	6.0
FINELAWN 5LZ (ZPS-5LZ)	5.0	7.3	6.0	5.3	6.0	6.3	6.0	6.0
OLYMPIC GOLD (PST-5E5)	5.3	6.7	6.3	6.3	5.7	6.0	5.7	6.0
PEDESTAL (PC-AO)	5.0	7.7	5.3	6.0	6.0	6.3	5.7	6.0
PICK FA 15-92	5.7	7.0	6.3	5.3	6.0	6.0	5.7	6.0
TOMAHAWK-E	5.7	6.3	6.0	5.7	5.7	6.3	6.3	6.0
WX3-275	6.0	6.3	6.3	4.3	5.3	7.0	6.7	6.0
ARID 3 (J-98)	5.3	7.7	5.7	5.0	6.0	6.3	5.7	6.0
AV-1	5.0	6.7	6.0	5.7	6.0	6.0	6.3	6.0
MARKSMAN	6.0	6.3	7.0	5.0	6.0	5.7	5.7	6.0
TWILIGHT II (TMI-TW)	5.7	7.3	6.0	5.0	6.3	5.7	5.7	6.0
OFI-951	5.7	6.3	6.0	5.7	6.7	5.7	5.7	6.0
PICK FA 20-92	5.7	6.3	7.0	5.3	6.0	5.7	5.7	6.0
ATF-257	5.7	6.7	6.0	5.3	6.0	6.3	5.3	5.9
DOMINION (PST-5M5)	5.0	6.3	6.3	5.7	5.7	6.7	5.7	5.9
PRO 8430	5.3	6.0	6.3	5.0	6.3	6.7	5.7	5.9

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER TRAFFIC STRESS AT MEAD, NE
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS								
NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SRX 8084	5.3	6.7	6.7	5.3	6.0	5.7	5.7	5.9
LION	5.7	6.7	6.3	5.0	5.7	6.0	5.7	5.9
ATF-022	5.0	6.0	6.3	5.7	6.3	6.7	5.0	5.9
CHAPEL HILL (TA-7)	4.7	6.3	6.0	5.7	5.3	6.7	6.3	5.9
MB 26	4.3	7.0	6.0	6.0	6.7	5.3	5.7	5.9
REMERANDT (LTP-4026 E+)	5.0	6.7	6.0	5.3	5.7	6.7	5.7	5.9
AXIOM (ATF-192)	5.7	5.7	6.3	5.0	6.3	6.0	5.7	5.8
RESERVE (ATF-182)	5.3	7.0	5.7	4.3	5.7	6.7	6.0	5.8
EQUINOX (TMI-N91)	5.7	6.7	6.0	4.7	5.0	6.7	6.0	5.8
DURANA (MB 211)	5.7	6.7	5.3	4.3	6.3	6.3	5.7	5.8
EA 41	5.3	6.7	5.3	4.3	6.0	6.3	6.3	5.8
MB 28	5.3	7.0	6.3	5.7	5.0	5.3	5.7	5.8
TULSA	5.3	6.0	5.3	5.3	5.7	7.0	5.7	5.8
COMSTOCK (SSDE31)	5.0	5.3	5.3	5.0	6.3	7.0	6.0	5.7
REBEL 2000 (AA-989)	5.0	6.7	5.7	5.7	5.3	6.0	5.7	5.7
TITAN 2	5.0	6.0	6.0	5.3	5.7	5.7	6.3	5.7
ANTHEM II (TMI-FMN)	5.0	6.3	6.7	4.7	5.7	5.7	5.7	5.7
ONCUE (PST-523)	5.7	6.7	6.3	5.3	5.0	5.0	5.3	5.6
SRX 8500	6.0	6.3	5.7	4.3	5.7	6.0	5.3	5.6
ARID II (J-3)	5.3	6.3	5.7	5.3	5.3	6.0	5.0	5.6
CORNADO GOLD (PST-5RT)	5.3	6.3	6.0	5.3	5.0	5.7	5.3	5.6
OFI-96-32	5.7	6.3	4.7	4.7	5.7	6.0	6.0	5.6
WVPB-1B	5.3	5.3	5.3	5.0	6.0	6.3	5.7	5.6
ATF-253	4.7	6.3	6.3	5.0	5.0	6.0	5.3	5.5
PICK FA XK-95	5.7	6.0	6.0	5.0	5.7	5.0	5.3	5.5
SHENANDOAH II (WRS2)	4.7	6.7	5.7	5.0	6.0	5.7	5.0	5.5
MILLENNIUM (TMI-RBR)	5.3	6.7	5.7	4.7	5.0	6.3	5.0	5.5
LEPRECHAUN	5.7	6.3	6.0	4.3	5.3	5.0	5.7	5.5
FINELAWN PETITE	5.0	6.0	5.7	4.7	5.0	6.0	5.7	5.4
ISI-TF10	5.3	6.7	6.3	4.7	4.7	5.0	5.3	5.4
GOOD-EN (KOOS 96-14)	5.3	6.3	4.7	5.3	5.3	6.0	4.7	5.4
MB 215	5.0	6.0	5.3	4.3	5.3	6.3	5.3	5.4
SAFARI	5.7	6.0	5.7	4.3	5.3	5.3	5.3	5.4
WPEZE (WVPB-1C)	4.7	6.0	4.7	5.7	5.0	5.7	5.3	5.3
JTTEC-96	4.7	6.0	5.7	4.3	4.0	6.3	5.3	5.2
ATF-020	5.0	5.7	5.0	4.7	5.3	5.3	4.7	5.1
KENTUCKY-31 W/ENDO.	5.7	6.0	4.7	4.3	5.3	5.0	4.7	5.1
HELIX (WVPB-1D)	5.0	5.3	5.3	5.0	4.7	5.3	4.7	5.0
RENEGADE	5.0	5.7	5.3	5.3	5.0	4.3	4.7	5.0
DLF-1	4.7	5.3	5.0	4.0	4.3	5.3	5.0	4.8
LSD VALUE	1.6	1.8	2.1	1.8	1.9	1.9	1.6	1.3
C.V. (%)	17.5	16.0	20.4	21.0	19.4	18.2	16.4	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 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
ON A ROADSIDE AT BLACKSTONE, VA 1/
1999 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	NOV	MEAN
PICK FA 15-92	6.7	7.0	7.7	7.3	7.7	5.3	6.9
OFI-FWY	6.7	7.7	7.3	7.0	6.7	5.7	6.8
ARID	6.3	5.7	7.3	6.7	7.7	6.3	6.7
ARID 3 (J-98)	6.0	7.0	7.3	6.3	8.0	5.3	6.7
REMBRANDT (LTP-4026 E+)	6.3	7.0	6.7	7.0	7.7	5.3	6.7
ALAMO E	7.0	6.0	7.7	6.3	7.3	5.3	6.6
DP 7952	6.0	6.3	7.0	7.3	7.0	6.0	6.6
BULLDAWG (PICK GA-96)	6.3	5.7	7.3	6.7	7.3	6.0	6.6
MASTERPIECE (LTP-SD-TF)	7.0	7.3	6.7	6.7	6.3	5.3	6.6
MUSTANG II	6.0	6.3	7.0	6.7	7.3	5.7	6.5
RENEGADE	6.3	6.3	6.7	6.7	7.0	6.0	6.5
R5AU	6.3	6.7	6.7	6.3	7.0	5.7	6.4
RED COAT (ATF-038)	5.3	6.3	7.3	6.7	7.0	5.7	6.4
VELOCITY (AA-983)	6.0	6.0	7.3	6.7	7.0	5.3	6.4
ARID II (J-3)	5.7	6.3	6.7	6.3	7.0	6.0	6.3
AV-1	6.3	6.3	6.3	6.0	6.7	6.3	6.3
DP 50-9011	6.0	6.0	6.3	6.7	7.3	5.7	6.3
ISI-TF10	5.7	6.7	6.7	6.7	7.0	5.3	6.3
OFI-96-32	6.3	5.7	6.3	6.3	7.3	6.0	6.3
SOUTHERN CHOICE	6.3	5.3	6.7	7.0	7.3	5.3	6.3
SRX 8500	5.7	6.7	6.7	6.7	7.0	5.3	6.3
WVEB-1B	6.3	6.3	7.3	6.3	6.3	5.3	6.3
BONSAI 2000 (BULLET)	6.0	5.7	6.7	6.3	7.0	6.0	6.3
MARKSMAN	6.3	5.7	6.3	6.7	7.0	5.7	6.3
PICK FA XK-95	6.0	5.0	6.7	7.0	7.3	5.7	6.3
CORONADO	6.0	6.3	7.0	6.3	6.7	5.3	6.3
DURANA (MB 211)	6.3	5.3	6.7	6.3	7.3	5.7	6.3
JTFC-96	5.3	5.7	7.0	7.0	6.7	6.0	6.3
KENTUCKY-31 W/ENDO.	5.7	4.7	6.7	7.3	7.3	6.0	6.3
TITAN 2	6.7	5.7	6.7	6.0	7.0	5.7	6.3
WYATT (ATF-188)	5.7	6.3	6.7	6.3	7.0	5.7	6.3
AXIOM (ATF-192)	5.7	6.3	6.3	6.7	7.0	5.3	6.2
CU9502T	5.7	5.7	6.7	6.3	7.3	5.7	6.2
DLF-1	6.0	5.3	7.0	6.3	6.7	6.0	6.2
SUNPRO	5.7	5.7	7.3	6.3	7.0	5.3	6.2
TF6 (BAR FA6 US6F)	6.3	6.0	6.7	6.7	7.0	4.7	6.2
TRACER (BAR FA6 US1)	6.3	6.3	7.0	6.0	7.0	4.7	6.2
AZTEC II (TMI-AZ)	6.3	5.3	6.7	6.7	6.7	5.3	6.2
FALCON II	6.0	5.7	6.3	6.3	7.3	5.3	6.2
LEPRECHAUN	6.0	5.0	7.0	6.3	7.0	5.7	6.2
APACHE II	6.3	6.3	6.7	6.0	6.3	5.0	6.1
ARABIA (J-5)	5.7	7.0	6.7	6.0	6.7	4.7	6.1
SHENANDOAH II (WRS2)	5.3	6.0	7.0	6.3	6.7	5.3	6.1
SHORTSTOP II	6.0	5.7	6.3	6.7	7.0	5.0	6.1

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) ON A ROADSIDE AT BLACKSTONE, VA
 1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS							
NAME	APR	MAY	JUN	JUL	AUG	NOV	MEAN
WILDFIRE (ATF-196)	5.0	6.7	7.0	6.3	6.7	5.0	6.1
ANTHEM II (TMI-FMN)	6.3	5.3	6.3	6.3	7.3	5.0	6.1
COCHISE II	6.3	5.7	7.0	6.3	6.3	5.0	6.1
EA 41	6.3	6.7	6.3	5.7	6.0	5.7	6.1
EMPRESS	6.3	6.0	6.3	6.3	6.7	5.0	6.1
FINELAWN PETITE	6.3	6.7	6.0	6.0	7.0	4.7	6.1
JTIFA-96	6.3	4.7	6.0	7.0	7.0	5.7	6.1
ONCUE (PST-523)	5.7	5.7	6.3	6.3	7.0	5.7	6.1
PEDESTAL (PC-AO)	6.3	6.0	6.3	6.7	6.7	4.7	6.1
PICK FA N-93	6.0	5.0	7.0	6.7	7.0	5.0	6.1
SCORPIO (ZPS-2PTF)	5.7	6.7	6.3	6.3	6.3	5.3	6.1
SRX 8084	6.0	6.0	6.7	6.0	7.0	5.0	6.1
ATF-253	5.7	5.0	6.3	7.0	7.0	5.3	6.1
BAR FA6 US2U	6.0	6.3	6.7	6.0	6.3	5.0	6.1
HELIX (WVPB-1D)	6.3	5.7	6.3	5.7	7.3	5.0	6.1
MB 216	6.0	5.7	6.7	6.7	6.3	5.0	6.1
OFI-931	6.0	5.7	6.3	6.7	6.7	5.0	6.1
PICK RT-95	6.3	6.0	6.3	5.7	6.3	5.7	6.1
REBEL SENTRY (AA-A91)	6.0	5.3	7.0	6.3	6.3	5.3	6.1
REGIMENT	5.0	6.0	6.7	6.7	6.7	5.3	6.1
AIRLIE (MB 210)	5.7	5.7	6.3	6.3	7.3	5.0	6.1
BRAVO (RG-93)	5.7	5.7	6.3	6.7	7.0	5.0	6.1
EQUINOX (TMI-N91)	6.7	5.7	6.7	6.0	6.3	5.0	6.1
BAR FA 6D	6.0	6.0	7.0	5.3	6.7	5.0	6.0
BAR FA 6LV	6.0	6.3	7.0	5.7	6.7	4.3	6.0
CU9501T	6.0	5.7	6.3	5.7	7.0	5.3	6.0
JAGUAR 3	5.3	6.0	7.3	5.7	6.0	5.7	6.0
MB 215	6.3	6.0	6.3	5.7	6.7	5.0	6.0
PLANTATION (PENNINGTON-1901)	6.3	5.3	6.7	6.0	6.7	5.0	6.0
PST-5TO	6.0	6.3	6.3	5.3	6.7	5.3	6.0
RESERVE (ATF-182)	5.7	4.7	6.3	7.0	7.0	5.3	6.0
TULSA	5.3	5.7	6.7	6.7	7.0	4.7	6.0
DUSTER	6.3	5.3	6.7	6.0	6.0	5.3	5.9
ISI-TF11	5.7	5.7	6.7	6.3	6.3	5.0	5.9
KITTY HAWK S.S.T. (SS45DW)	5.0	5.3	6.3	6.7	7.0	5.3	5.9
TWILIGHT II (TMI-TW)	6.0	5.0	6.7	6.0	6.7	5.3	5.9
CHAPEL HILL (TA-7)	5.3	5.7	6.0	6.3	6.7	5.7	5.9
GENESIS	5.3	5.7	6.0	6.3	7.3	5.0	5.9
LION	6.7	6.7	6.0	5.3	5.7	5.3	5.9
TAR HEEL	6.0	5.7	7.3	6.0	6.0	4.7	5.9
WATCHDOG (PICK FA B-93)	6.0	5.7	6.7	6.0	6.0	5.3	5.9
ATF-020	5.0	5.0	6.3	6.7	7.0	5.3	5.9
MB 212	5.7	6.0	6.7	5.3	7.0	4.7	5.9
PSII-TF-9	5.3	5.0	6.3	6.3	7.0	5.3	5.9
REBEL 2000 (AA-989)	5.3	6.0	6.7	6.0	6.7	4.7	5.9

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) ON A ROADSIDE AT BLACKSTONE, VA
 1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS							
NAME	APR	MAY	JUN	JUL	AUG	NOV	MEAN
ARIZONA (PICK FA 6-91)	5.3	5.7	6.7	5.7	6.7	5.3	5.9
BANDANA (PST-R5AE)	6.0	5.7	6.7	5.7	6.0	5.0	5.8
BONSAI	5.3	5.7	6.7	6.0	6.7	4.7	5.8
COMSTOCK (SSDE31)	5.7	5.7	6.0	6.0	6.3	5.3	5.8
CROSSFIRE II	5.0	5.3	7.3	6.0	6.0	5.3	5.8
GAZELLE	5.3	6.3	6.7	5.7	6.3	4.7	5.8
JSC-1	5.7	6.0	5.3	6.0	6.3	5.7	5.8
PIXIE E+	5.7	5.7	6.0	6.0	6.0	5.7	5.8
PSII-TF-10	6.0	5.3	6.0	6.0	6.3	5.3	5.8
SR 8210	5.7	5.7	6.7	6.0	6.3	4.7	5.8
ATF-257	5.0	4.3	6.3	6.7	7.0	5.3	5.8
BRANDY (J-101)	6.0	4.7	6.3	6.3	6.7	4.7	5.8
SAFARI	5.7	5.0	6.3	6.0	6.7	5.0	5.8
ISI-TF9	5.3	5.7	6.0	6.3	6.0	5.3	5.8
MB 213	6.0	5.0	6.7	5.7	6.7	4.7	5.8
MB 28	4.3	5.3	6.7	6.0	7.0	5.3	5.8
PRO 8430	5.3	5.0	6.3	6.7	6.7	4.7	5.8
WX3-275	5.0	6.3	6.0	6.7	6.3	4.3	5.8
BARRINGTON (BAR FA6D USA)	5.0	6.0	6.0	6.0	6.3	5.0	5.7
COYOTE	6.0	6.0	6.0	5.3	6.0	5.0	5.7
OFI-951	4.7	5.3	6.7	6.0	7.0	4.7	5.7
SHENANDOAH	4.7	5.0	6.3	6.7	6.7	5.0	5.7
CORONADO GOLD (PST-5RT)	4.7	5.0	6.7	6.0	6.7	5.0	5.7
WPEZE (WVPB-1C)	4.7	5.3	6.7	6.0	6.7	4.7	5.7
DOMINION (PST-5M5)	5.0	5.0	6.7	6.0	6.3	4.7	5.6
PICK FA 20-92	6.0	4.7	6.0	5.7	6.3	5.0	5.6
MB 214	5.3	5.0	6.0	6.0	6.7	4.7	5.6
MB 29	5.7	5.0	6.0	5.3	6.7	5.0	5.6
PICK FA UT-93	5.7	5.7	6.0	5.3	6.7	4.3	5.6
BARRERA (BAR FA6 US3)	5.7	6.0	6.0	5.3	6.0	4.3	5.6
MILLENNIUM (TMI-RBR)	5.3	4.7	6.3	5.7	7.0	4.3	5.6
GOOD-EN (KOOS 96-14)	5.7	4.7	6.0	5.7	6.7	4.7	5.6
ATF-022	5.0	4.7	6.3	5.7	6.0	5.3	5.5
TOMAHAWK-E	6.0	4.3	6.0	5.3	6.0	5.0	5.4
OFI-96-31	5.0	5.0	6.0	6.0	6.0	4.7	5.4
OLYMPIC GOLD (PST-5E5)	5.7	4.7	6.3	5.0	6.3	4.7	5.4
FINELAWN 5LZ (ZPS-5LZ)	5.3	5.3	6.0	5.0	6.0	4.7	5.4
WOLFPACK (PST-R5TK)	4.7	5.3	6.3	5.3	6.0	4.7	5.4
MB 26	4.7	4.0	6.0	6.3	6.3	4.3	5.3
GLEN EAGLE (EC-101)	5.0	4.0	5.7	5.7	6.0	4.7	5.2
LSD VALUE	1.6	2.0	1.3	1.3	1.5	1.3	1.1
C.V. (%)	17.2	21.5	11.9	13.1	13.6	16.0	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 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT DIFFERENT NITROGEN LEVELS 1/
1999 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+)	6.3	6.4	6.9	5.6	6.5
PLANTATION (PENNINGTON-1901)	6.2	6.5	6.7	5.7	6.5
MILLENNIUM (TMI-RBR)	6.6	6.2	6.8	5.7	6.5
PICK RT-95	6.3	6.4	6.7	5.6	6.4
SCORPIO (ZPS-2PTF)	6.3	6.4	6.6	5.8	6.4
MASTERPIECE (LTP-SD-TF)	6.2	6.3	6.8	5.3	6.4
CROSSFIRE II	6.4	6.1	6.7	5.4	6.3
COYOTE	6.1	6.4	6.5	5.5	6.3
SHENANDOAH II (WRS2)	5.9	6.4	6.5	5.6	6.3
MB 212	6.0	6.1	6.6	5.3	6.2
CU9502T	6.0	6.2	6.5	5.4	6.2
JAGUAR 3	6.0	6.1	6.6	5.0	6.2
WATCHDOG (PICK FA B-93)	6.2	6.1	6.5	5.3	6.2
TAR HEEL	6.0	6.1	6.4	5.5	6.2
MB 29	5.7	6.2	6.5	5.4	6.2
OLYMPIC GOLD (PST-5E5)	5.9	6.1	6.5	5.3	6.1
DOMINION (PST-5M5)	5.9	6.3	6.3	5.3	6.1
REBEL SENTRY (AA-A91)	6.1	6.1	6.3	5.3	6.1
MB 213	6.1	6.0	6.5	5.3	6.1
WOLFPACK (PST-R5TK)	6.2	6.1	6.3	5.4	6.1
GAZELLE	5.7	5.9	6.5	5.5	6.1
ARID 3 (J-98)	5.5	6.1	6.5	5.2	6.1
BARRERA (BAR FA6 US3)	5.8	6.0	6.4	5.4	6.1
CU9501T	5.8	6.0	6.4	5.2	6.1
R5AJ	5.8	6.0	6.2	5.7	6.1
ONCUE (PST-523)	5.8	6.0	6.3	5.4	6.1
BAR FA6 US2U	5.7	5.9	6.5	5.3	6.0
BRANDY (J-101)	6.2	5.8	6.3	5.5	6.0
MB 28	5.9	6.0	6.3	5.1	6.0
FINELAWN 5LZ (ZPS-5LZ)	5.6	6.1	6.3	5.3	6.0
MB 26	5.4	6.0	6.4	5.4	6.0
DURANA (MB 211)	5.9	5.9	6.4	5.1	6.0
BAR FA 6D	5.6	5.9	6.4	5.5	6.0
OFI-931	5.6	6.1	6.2	5.4	6.0
SOUTHERN CHOICE	5.9	6.0	6.2	5.1	6.0
GENESIS	6.1	5.9	6.2	5.2	6.0
SR 8210	5.9	6.0	6.2	5.2	6.0
EMERESS	5.9	6.0	6.3	5.1	6.0
MB 214	5.6	6.0	6.3	5.4	6.0
CORONADO	5.7	6.0	6.2	5.5	6.0
BONSAI 2000 (BULLET)	5.8	5.9	6.3	5.1	6.0
MB 216	6.0	6.0	6.2	5.1	6.0
PICK FA XK-95	6.1	5.8	6.2	5.4	6.0
MB 215	5.9	6.0	6.2	5.3	6.0
RED COAT (ATF-038)	5.6	6.0	6.3	5.2	6.0

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) AT DIFFERENT NITROGEN LEVELS
 1999 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+	
EST-5TO	5.6	6.0	6.3	5.2	6.0
BRAVO (RG-93)	5.9	6.0	6.2	5.1	6.0
OFI-96-31	5.9	5.9	6.2	5.4	6.0
TF6 (BAR FA6 US6F)	5.5	6.1	6.2	5.4	6.0
SUNPRO	5.8	5.9	6.3	5.2	6.0
WYATT (ATF-188)	6.0	5.9	6.2	5.2	6.0
BARRINGTON (BAR FA6D USA)	5.4	5.9	6.4	5.2	6.0
OFI-951	5.7	6.0	6.2	5.2	5.9
WILDFIRE (ATF-196)	5.7	5.8	6.3	5.5	5.9
BAR FA 6LV	5.4	5.8	6.4	5.5	5.9
TRACER (BAR FA6 US1)	5.2	5.7	6.5	5.5	5.9
DUSTER	6.0	6.0	6.1	5.3	5.9
REBEL 2000 (AA-989)	5.5	6.0	6.3	5.1	5.9
CHAPEL HILL (TA-7)	6.1	5.9	6.1	5.4	5.9
ANTHEM II (TMI-FMN)	6.2	5.8	6.2	4.9	5.9
APACHE II	5.7	5.8	6.3	5.1	5.9
ATF-257	5.8	6.0	6.2	5.1	5.9
PICK FA N-93	5.3	6.0	6.2	5.5	5.9
BANDANA (PST-R5AE)	5.7	5.9	6.2	5.4	5.9
CORONADO GOLD (PST-5RT)	6.1	5.7	6.2	5.3	5.9
AZTEC II (TMI-AZ)	6.0	5.7	6.2	5.4	5.9
AIRLIE (MB 210)	5.8	5.9	6.2	5.3	5.9
PIXIE E+	6.3	6.0	5.9	5.2	5.9
LION	6.1	5.9	6.0	5.2	5.9
ISI-TF11	6.2	5.9	6.0	4.9	5.9
TULSA	5.9	5.8	6.1	5.2	5.9
ISI-TF9	6.0	5.8	6.1	5.1	5.9
MUSTANG II	5.8	5.8	6.2	4.9	5.9
ALAMO E	5.9	5.8	6.0	5.3	5.9
REGIMENT	5.9	5.9	6.0	5.0	5.9
ARID II (J-3)	5.9	5.8	6.1	5.0	5.9
PICK FA 20-92	5.5	6.0	6.0	5.4	5.9
FALCON II	5.9	5.9	6.0	5.0	5.9
BULLDAWG (PICK GA-96)	5.4	5.9	6.2	5.2	5.9
RESERVE (ATF-182)	5.3	5.9	6.2	5.2	5.9
SRX 8500	5.6	5.8	6.1	5.3	5.9
OFI-FWY	5.5	5.8	6.2	5.2	5.8
TWILIGHT II (TMI-TW)	5.5	5.9	6.0	5.2	5.8
EA 41	5.6	5.8	6.1	5.2	5.8
SAFARI	6.0	5.8	6.0	5.0	5.8
RENEGADE	5.8	5.8	5.9	5.3	5.8
PICK FA 15-92	5.8	5.6	6.1	5.3	5.8
ARABIA (J-5)	5.5	5.7	6.2	5.2	5.8
TOMAHAWK-E	5.4	5.9	6.0	5.2	5.8
ATF-253	5.8	5.7	6.0	5.1	5.8

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT DIFFERENT NITROGEN LEVELS
1999 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+	
PRO 8430	6.1	5.7	5.9	5.2	5.8
SHENANDOAH	6.0	5.7	6.0	4.8	5.8
MARKSMAN	6.2	5.7	5.9	4.9	5.8
VELOCITY (AA-983)	5.4	5.8	6.0	5.1	5.8
COCHISE II	5.5	5.7	6.1	5.1	5.7
ISI-TF10	5.6	5.6	6.0	5.3	5.7
WX3-275	5.8	5.5	6.1	5.1	5.7
ATF-022	5.6	5.7	6.0	4.9	5.7
ARIZONA (PICK FA 6-91)	5.1	5.9	5.9	5.2	5.7
FINELAWN PETITE	5.7	5.8	5.9	4.8	5.7
GLEN EAGLE (EC-101)	5.6	5.7	5.9	5.0	5.7
PEDESTAL (PC-AO)	5.5	5.7	6.0	5.0	5.7
SHORTSTOP II	5.3	5.6	6.0	5.1	5.7
LEPRECHAUN	5.6	5.8	5.7	5.2	5.7
ATF-020	5.2	5.8	5.9	4.8	5.7
PSII-TF-9	5.8	5.8	5.7	4.6	5.6
HELIX (WVPB-1D)	5.7	5.7	5.8	4.9	5.6
DP 50-9011	5.3	5.6	5.9	5.2	5.6
COMSTOCK (SSDE31)	5.6	5.7	5.8	4.9	5.6
OFI-96-32	5.6	5.7	5.7	4.9	5.6
GOOD-EN (KOOS 96-14)	5.5	5.8	5.6	4.7	5.6
EQUINOX (TMI-N91)	5.7	5.6	5.7	5.0	5.6
WVPB-1B	5.2	5.6	5.8	4.9	5.6
KITTY HAWK S.S.T. (SS45DW)	5.7	5.4	5.8	5.0	5.6
SRX 8084	5.7	5.4	5.7	4.9	5.5
WEEZE (WVPB-1C)	5.8	5.7	5.6	4.5	5.5
JSC-1	5.4	5.7	5.6	4.6	5.5
PICK FA UT-93	4.7	5.4	5.9	5.1	5.5
TITAN 2	5.9	5.4	5.6	4.5	5.5
PSII-TF-10	5.3	5.5	5.7	4.6	5.5
AXIOM (ATF-192)	5.4	5.6	5.5	5.1	5.5
BCNSAI	5.5	5.4	5.5	5.1	5.4
JTTF-96	5.5	5.4	5.6	4.8	5.4
JTTF-96	5.4	5.4	5.3	4.4	5.3
DIF-1	5.1	5.1	5.2	4.4	5.1
ARID	5.4	5.0	5.0	4.3	5.0
DP 7952	5.5	5.0	4.8	4.1	4.9
AV-1	5.3	5.0	4.8	4.3	4.9
KENTUCKY-31 W/ENDO.	4.9	3.4	3.4	4.0	3.7
LSD VALUE	0.6	0.3	0.2	0.4	0.2
C.V. (%)	10.5	8.7	6.9	7.0	8.2

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 7.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT 0.0-2.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999 DATA

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

NAME	IA1	IL1	MI1	MEAN	NAME	IA1	IL1	MI1	MEAN
MILLENNIUM (TMI-RBR)	6.7	7.1	5.9	6.6	REGIMENT	6.8	5.8	5.1	5.9
CROSSFIRE II	7.0	6.6	5.8	6.4	TULSA	5.8	6.2	5.6	5.9
REMBRANDT (LTP-4026 E+)	6.6	6.8	5.7	6.3	ARID II (J-3)	6.1	5.7	5.9	5.9
SCORPIO (ZPS-2PTF)	6.6	6.6	5.7	6.3	EMPRESS	6.2	6.3	5.0	5.9
PIXIE E+	6.8	6.0	6.1	6.3	MB 215	5.5	6.0	6.1	5.9
PICK RT-95	6.3	6.5	6.0	6.3	OFI-96-31	6.0	5.8	5.8	5.9
ISI-TF11	6.4	6.2	6.1	6.2	CU9501T	6.1	6.0	5.5	5.8
WATCHDOG (PICK FA B-93)	6.6	6.4	5.7	6.2	BONSAI 2000 (BULLET)	6.1	6.4	5.0	5.8
BRANDY (J-101)	6.8	6.2	5.6	6.2	ONCUE (PST-523)	6.1	6.2	5.1	5.8
MARKSMAN	6.1	6.0	6.5	6.2	MUSTANG II	5.8	6.2	5.5	5.8
WOLFPACK (PST-R5TK)	6.9	6.2	5.5	6.2	PSII-TF-9	5.9	5.6	6.0	5.8
MASTERPIECE (LTP-SD-TF)	6.7	6.5	5.3	6.2	ATF-257	6.1	6.4	5.0	5.8
PLANTATION (PENNINGTON-1901)	6.1	6.4	6.0	6.2	BARRERA (BAR FA6 US3)	5.4	6.4	5.6	5.8
ANTHEM II (TMI-FMN)	6.2	6.3	6.0	6.2	R5AU	6.0	6.2	5.2	5.8
COYOIE	6.3	6.4	5.7	6.1	WX3-275	5.7	6.0	5.7	5.8
GENESIS	6.2	6.0	.	6.1	RENEGADE	6.4	5.8	5.2	5.8
PICK FA XK-95	5.7	6.4	6.2	6.1	PICK FA 15-92	5.6	6.2	5.6	5.8
PRO 8430	6.4	6.3	5.6	6.1	WPEZE (WVPB-1C)	6.1	5.7	5.5	5.8
REBEL SENTRY (AA-A91)	6.7	6.5	5.2	6.1	SUNPRO	5.9	6.1	5.2	5.8
CHAPEL HILL (TA-7)	6.0	6.0	6.3	6.1	ATF-253	6.2	5.8	5.2	5.8
LION	5.8	6.2	6.2	6.1	AIRLIE (MB 210)	5.5	6.0	5.8	5.8
CORONADO GOLD (PST-5RT)	5.8	6.5	6.0	6.1	KITTY HAWK S.S.T. (SS45DW)	5.7	6.0	5.5	5.7
MB 213	6.3	6.2	5.7	6.1	EQUINOX (TMI-N91)	5.2	5.8	6.2	5.7
ISI-TF9	5.8	6.4	5.9	6.0	SRX 8084	5.9	5.9	5.5	5.7
MB 212	6.1	6.3	5.7	6.0	FINELAWN PETITE	5.7	5.9	5.7	5.7
SHENANDOAH	6.3	6.1	5.6	6.0	GAZELLE	6.3	5.8	5.1	5.7
JAGUAR 3	6.3	6.1	5.7	6.0	MB 29	5.6	6.0	5.6	5.7
AZTEC II (TMI-AZ)	6.2	6.0	5.9	6.0	CORONADO	6.2	6.0	5.0	5.7
SAFARI	6.3	6.3	5.4	6.0	APACHE II	6.0	6.3	4.9	5.7
MB 216	6.2	5.7	6.1	6.0	BAR FA6 US2U	5.6	5.8	5.8	5.7
TAR HEEL	6.7	6.2	5.0	6.0	OFI-951	5.3	6.1	5.7	5.7
WYATT (ATF-188)	5.9	6.4	5.7	6.0	HELIX (WVPB-1D)	5.6	6.0	5.5	5.7
CU9502T	5.7	6.4	5.8	6.0	WILDFIRE (ATF-196)	5.9	6.0	5.1	5.7
DUSTER	6.4	6.3	5.1	6.0	BANDANA (PST-R5AE)	6.0	5.6	5.4	5.7
BRAVO (RG-93)	6.3	6.0	5.5	5.9	GLEN EAGLE (EC-101)	5.8	5.8	5.4	5.6
SHENANDOAH II (WRS2)	6.3	6.5	5.0	5.9	ATF-022	5.8	5.9	5.2	5.6
SR 8210	6.2	5.9	5.7	5.9	LEPRECHAUN	5.8	5.9	5.2	5.6
TITAN 2	6.8	5.9	5.0	5.9	OFI-931	5.4	6.1	5.4	5.6
MB 28	5.8	6.0	6.0	5.9	BAR FA 6D	5.1	6.1	5.7	5.6
FALCON II	6.0	6.1	5.6	5.9	EA 41	5.6	6.0	5.3	5.6
OLYMPIC GOLD (PST-5E5)	5.6	6.1	6.1	5.9	OFI-96-32	5.6	5.9	5.3	5.6
DOMINION (PST-5M5)	5.8	6.1	5.8	5.9	RED COAT (ATF-038)	6.2	5.6	5.1	5.6
ALAMO E	6.0	6.1	5.6	5.9	PST-5TO	5.1	6.2	5.5	5.6
SOUTHERN CHOICE	5.7	6.0	6.0	5.9	FINELAWN 5LZ (ZPS-5LZ)	5.6	6.1	5.1	5.6
DURANA (MB 211)	5.5	6.2	6.0	5.9	MB 214	5.2	6.7	4.9	5.6

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT 0.0-2.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF				
NAME	IA1	IL1	MI1	MEAN
SRX 8500	5.5	6.0	5.2	5.6
ISI-TF10	5.3	5.6	5.8	5.6
COMSTOCK (SSDE31)	5.6	5.8	5.3	5.6
BONSAI	5.2	5.8	5.7	5.5
OFI-FWY	5.8	5.9	4.9	5.5
REBEL 2000 (AA-989)	5.6	5.9	5.2	5.5
TWILIGHT II (TMI-TW)	5.5	5.6	5.5	5.5
COCHISE II	5.3	6.0	5.2	5.5
PICK FA 20-92	5.6	6.0	5.0	5.5
DP 7952	6.2	4.9	5.4	5.5
TF6 (BAR FA6 US6F)	5.4	5.7	5.4	5.5
ARID 3 (J-98)	5.7	6.0	4.9	5.5
GOOD-EN (KOOS 96-14)	5.3	5.6	5.7	5.5
PEDESTAL (PC-AO)	5.2	5.8	5.5	5.5
ARABIA (J-5)	5.1	5.8	5.6	5.5
JTFFC-96	5.7	5.5	5.2	5.5
MB 26	5.4	6.0	5.0	5.4
BAR FA 6LV	4.9	6.0	5.4	5.4
AXIOM (ATF-192)	5.5	5.5	5.3	5.4
JSC-1	5.7	5.7	4.9	5.4
BULLDAWG (PICK GA-96)	5.3	6.0	4.9	5.4
TOMAHAWK-E	5.1	6.3	4.8	5.4
ARID	6.1	4.9	5.2	5.4
BARRINGTON (BAR FA6D USA)	5.1	5.9	5.1	5.4
JTFFA-96	5.4	5.4	5.3	5.4
VELOCITY (AA-983)	4.8	5.6	5.7	5.4
PSII-TF-10	5.1	5.6	5.3	5.3
RESERVE (ATF-182)	4.7	5.7	5.6	5.3
AV-1	5.6	5.1	5.2	5.3
SHORTSTOP II	5.6	5.5	4.9	5.3
PICK FA N-93	4.9	5.5	5.5	5.3
DP 50-9011	5.2	5.3	5.2	5.3
WVPB-1B	5.2	5.7	4.9	5.2
TRACER (BAR FA6 US1)	5.0	5.6	5.0	5.2
ATF-020	4.8	5.6	5.1	5.2
ARIZONA (PICK FA 6-91)	4.8	5.5	5.0	5.1
DLF-1	5.5	5.2	4.6	5.1
KENTUCKY-31 W/ENDO.	5.3	3.9	5.6	4.9
PICK FA UT-93	4.5	5.0	4.7	4.7
LSD VALUE	1.2	0.6	1.1	0.6
C.V. (%)	12.6	6.1	11.9	10.5

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

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

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT 2.1-3.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999 DATA

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

NAME	MD1	MO3	NJ2	OH1	VA1	UT1	WA1	MEAN
PLANTATION (PENNINGTON-1901)	6.8	6.4	5.9	7.9	6.2	6.0	6.1	6.5
REMBRANDT (LTP-4026 E+)	6.8	6.0	5.8	8.1	6.3	5.6	6.1	6.4
SCORPIO (ZPS-2PTF)	7.3	6.5	5.2	7.8	6.0	5.9	6.0	6.4
COYOTE	7.3	6.0	5.2	8.0	6.4	5.5	6.1	6.4
PICK RT-95	6.8	6.6	5.3	7.8	6.4	5.7	6.0	6.4
SHENANDOAH II (WRS2)	6.8	6.7	5.2	7.9	6.3	5.5	6.1	6.4
MASTERPIECE (LTP-SD-TF)	7.1	6.2	5.3	8.2	5.9	5.7	6.0	6.3
DOMINION (PST-5M5)	6.9	6.4	5.0	7.7	6.2	6.0	5.8	6.3
MB 29	6.6	6.6	4.8	7.7	6.1	5.2	6.5	6.2
MILLENNIUM (TMI-RBR)	6.8	5.5	5.3	8.0	5.9	5.6	6.3	6.2
CU9502T	7.1	5.8	4.6	7.7	6.6	5.5	5.8	6.2
OLYMPIC GOLD (PST-5E5)	6.7	6.3	5.1	7.5	6.1	5.3	6.0	6.1
REBEL SENTRY (AA-A91)	6.6	6.2	5.1	7.9	5.8	5.3	6.0	6.1
MB 212	6.3	6.1	5.2	7.7	6.0	5.5	6.0	6.1
OFT-931	6.3	5.9	4.9	7.6	6.3	6.0	5.9	6.1
WOLFPACK (PST-R5TK)	6.8	5.8	5.1	7.4	6.1	5.7	5.8	6.1
FINELAWN 5LZ (ZPS-5LZ)	6.1	6.3	5.3	7.8	5.9	5.5	5.9	6.1
CROSSFIRE II	6.2	6.3	5.5	7.8	5.8	5.3	5.9	6.1
TF6 (BAR FA6 US6F)	6.3	6.1	4.8	7.8	6.0	6.0	5.8	6.1
TAR HEEL	6.4	5.9	5.0	7.4	6.4	5.7	5.8	6.1
ARID 3 (J-98)	6.9	6.3	4.8	7.7	5.1	5.9	5.9	6.1
JAGUAR 3	6.3	6.3	5.3	7.6	5.8	5.3	5.9	6.1
WATCHDOG (PICK FA B-93)	6.8	5.3	5.1	7.7	6.1	5.5	5.8	6.1
SOUTHERN CHOICE	6.5	5.7	5.1	7.4	6.0	5.8	5.9	6.0
CU9501T	6.5	5.8	5.0	7.4	6.1	5.5	6.0	6.0
PICK FA N-93	6.1	6.5	4.9	7.9	5.4	5.5	6.0	6.0
R5AU	6.7	5.8	4.6	7.6	5.8	6.0	5.7	6.0
MB 214	7.1	5.5	4.0	8.2	6.0	5.1	6.4	6.0
MB 215	6.7	5.6	3.8	7.9	6.3	5.7	6.1	6.0
RED COAT (ATF-038)	6.5	5.5	5.0	7.6	6.2	5.8	5.7	6.0
PST-5TO	6.4	6.3	5.1	7.3	5.3	5.8	5.8	6.0
MB 28	6.7	5.8	5.0	7.6	5.8	5.2	6.2	6.0
ONCUE (PST-523)	6.7	5.6	5.1	7.7	5.7	5.7	5.7	6.0
MB 216	6.4	6.1	4.3	7.7	5.7	5.7	6.2	6.0
MB 213	5.8	6.3	4.6	7.9	5.8	5.5	6.1	6.0
SR 8210	6.1	6.4	4.8	7.7	5.7	5.5	5.8	6.0
EMPRESS	6.5	5.7	5.0	7.4	5.6	5.8	5.9	6.0
DUSTER	6.9	5.4	4.6	7.5	5.9	5.8	5.8	6.0
MB 26	5.9	6.2	4.9	7.8	6.1	4.8	6.2	6.0
BARRERA (BAR FA6 US3)	6.6	5.9	4.7	8.0	5.3	5.0	6.3	6.0
BRAVO (RG-93)	6.3	5.6	5.0	7.6	6.1	5.1	6.0	6.0
PICK FA 20-92	6.6	5.6	5.3	7.6	5.2	5.2	6.3	6.0
REBEL 2000 (AA-989)	6.1	6.3	4.0	7.4	6.1	5.6	6.3	6.0
CORONADO	5.5	5.8	4.7	7.9	6.0	6.0	6.0	6.0

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT 2.1-3.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF								
NAME	MD1	MO3	NJ2	OH1	VA1	UT1	WA1	MEAN
PIXIE E+	6.8	5.4	4.4	7.5	6.3	5.4	6.0	6.0
ATF-257	6.7	5.8	5.0	7.6	5.6	5.4	5.7	6.0
OFI-951	6.5	6.0	4.6	7.7	5.6	5.5	5.8	6.0
GENESIS	6.8	5.6	3.9	7.4	6.6	5.5	5.9	5.9
REGIMENT	6.5	5.7	4.8	7.4	6.2	5.5	5.5	5.9
TWILIGHT II (TMI-TW)	6.8	5.6	4.5	7.5	5.7	5.5	5.9	5.9
BONSAI 2000 (BULLET)	6.7	5.7	4.9	7.4	5.6	5.6	5.7	5.9
GAZELLE	6.0	5.8	5.0	7.9	6.1	4.9	5.8	5.9
RESERVE (ATF-182)	6.8	5.0	4.7	7.3	6.4	5.4	5.9	5.9
BARRINGTON (BAR FA6D USA)	5.9	5.7	4.3	7.8	5.9	5.7	6.1	5.9
FALCON II	6.9	5.3	4.4	7.6	6.1	5.2	5.9	5.9
BAR FA6 US2U	6.3	5.6	4.4	7.9	5.4	5.7	6.1	5.9
ISI-TF11	6.9	5.5	4.6	7.3	5.8	5.6	5.7	5.9
BANDANA (PST-R5AE)	6.3	6.1	4.5	7.6	5.5	5.5	5.8	5.9
CHAPEL HILL (TA-7)	6.7	5.3	4.3	7.6	6.1	5.5	5.8	5.9
OFI-96-31	5.6	5.7	4.8	7.6	6.0	5.4	6.2	5.9
ARIZONA (PICK FA 6-91)	6.1	5.8	4.3	7.9	5.2	5.7	6.1	5.9
BULLDOG (PICK GA-96)	6.6	5.4	4.9	7.6	5.8	5.2	5.7	5.9
WYATT (ATF-188)	6.8	5.5	4.9	7.7	5.6	5.1	5.6	5.9
DURANA (MB 211)	5.9	6.1	4.5	7.6	5.8	5.3	5.9	5.9
TOMAHAWK-E	6.7	5.8	3.8	7.4	6.0	5.7	5.8	5.9
AIRLIE (MB 210)	6.6	5.4	4.6	7.4	5.7	5.6	5.8	5.9
LION	6.0	5.5	4.5	7.6	5.7	6.2	5.7	5.9
SUNPRO	6.3	5.5	4.7	7.6	5.3	5.7	6.0	5.9
BAR FA 6D	6.5	5.0	4.3	7.9	5.5	5.6	6.2	5.9
WILDFIRE (ATF-196)	6.4	5.5	4.9	7.7	5.7	5.1	5.6	5.8
ALAMO E	6.5	5.4	4.7	7.6	5.7	5.0	6.0	5.8
BAR FA 6LV	6.0	5.5	4.1	7.8	5.6	6.0	6.0	5.8
RENEGADE	6.3	5.7	4.3	7.6	6.2	5.3	5.5	5.8
GOOD-EN (KOOS 96-14)	7.1	4.8	4.7	7.3	6.2	5.0	5.7	5.8
APACHE II	6.3	5.3	4.7	7.7	5.6	5.6	5.8	5.8
ANTHEM II (TMI-FMN)	5.8	5.4	4.9	7.3	5.6	6.1	5.8	5.8
TULSA	6.3	5.6	5.0	7.3	5.7	5.2	5.7	5.8
ARID II (J-3)	5.8	5.9	4.6	7.7	5.6	5.3	5.8	5.8
PICK FA XK-95	5.2	5.7	5.0	7.4	6.0	5.3	6.0	5.8
EA 41	6.0	6.0	4.8	7.7	5.7	4.4	6.0	5.8
FINELAWN PETITE	6.2	5.3	4.2	7.4	6.3	5.5	5.8	5.8
MUSTANG II	6.5	5.8	4.8	7.5	5.3	5.3	5.5	5.8
BRANDY (J-101)	5.9	5.9	4.1	7.9	5.8	5.0	5.9	5.8
ATF-020	6.8	5.5	4.3	7.3	5.7	5.2	5.8	5.8
PSII-TF-9	6.8	4.8	4.5	7.1	6.3	5.3	5.9	5.8
SAFARI	6.7	5.7	3.8	7.5	5.8	5.8	5.3	5.8
SRX 8500	6.0	5.1	4.7	7.6	5.5	5.8	5.9	5.8
ISI-TF9	6.4	5.3	4.2	7.6	5.5	5.9	5.6	5.8
VELOCITY (AA-983)	5.8	5.9	4.0	7.7	6.1	5.2	5.9	5.8

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT 2.1-3.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MD1	MO3	NJ2	OH1	VA1	UT1	WA1	MEAN
LEPRECHAUN	6.3	5.0	4.2	7.4	6.0	5.8	5.7	5.8
OFI-FWY	6.1	5.3	4.2	7.6	5.9	5.7	5.6	5.8
CORONADO GOLD (PST-5RT)	5.5	5.8	4.7	7.8	5.4	5.1	6.0	5.7
MARKSMAN	5.7	5.0	4.4	7.4	5.8	6.1	5.8	5.7
TRACER (BAR FA6 US1)	6.0	5.5	4.4	7.8	5.1	5.1	6.2	5.7
ATF-253	6.7	5.1	4.9	7.3	5.4	5.1	5.6	5.7
GLEN EAGLE (EC-101)	6.0	5.6	4.5	7.5	5.8	5.1	5.7	5.7
SHENANDOAH	6.4	5.3	4.1	7.2	6.0	5.4	5.6	5.7
ATF-022	6.3	5.3	4.3	7.3	6.0	5.6	5.4	5.7
AZTEC II (TMI-AZ)	5.5	5.5	4.5	7.6	5.7	5.4	6.0	5.7
WPEZE (WVPB-1C)	6.7	5.1	4.3	7.0	6.2	5.0	5.6	5.7
PEDESTAL (PC-AO)	5.8	5.5	4.0	7.6	6.2	5.2	5.6	5.7
OFI-96-32	6.2	4.8	4.5	7.7	6.1	4.8	5.7	5.7
ARABIA (J-5)	5.6	5.1	4.4	7.9	5.4	5.3	6.0	5.7
JSC-1	6.4	5.4	3.9	7.3	5.8	5.5	5.5	5.7
COMSTOCK (SSDE31)	6.1	5.1	4.2	7.2	6.1	5.3	5.8	5.7
COCHISE II	6.2	5.2	4.3	7.4	5.7	5.0	5.8	5.7
HELIX (WVPB-1D)	5.8	5.1	4.6	7.3	6.1	5.1	5.7	5.7
PRO 8430	6.0	5.1	4.0	7.5	6.0	5.4	5.6	5.7
WVPB-1B	6.3	5.4	4.3	7.3	5.7	5.0	5.5	5.6
SHORTSTOP II	5.5	5.5	4.5	7.7	5.1	5.1	5.9	5.6
ISI-TF10	5.5	5.3	4.1	7.3	6.0	5.4	5.8	5.6
AXIOM (ATF-192)	6.3	4.9	4.2	7.2	5.9	5.4	5.3	5.6
EQUINOX (TMI-N91)	5.9	5.0	4.2	7.3	5.1	5.5	6.0	5.6
PICK FA 15-92	4.8	5.7	4.6	7.4	4.9	5.3	6.1	5.6
DP 50-9011	5.8	5.0	3.9	7.8	5.6	5.3	5.6	5.6
PSII-TF-10	6.0	5.1	4.1	7.2	5.4	5.1	5.9	5.5
WX3-275	5.3	5.5	4.1	7.6	5.4	4.9	5.5	5.5
PICK FA UT-93	5.2	5.3	4.2	7.6	4.8	5.3	5.7	5.4
JTTFA-96	6.1	4.9	4.0	7.1	5.8	5.2	5.0	5.4
KITTY HAWK S.S.T. (SS45DW)	5.2	5.1	4.0	7.4	5.7	4.9	5.7	5.4
BONSAI	5.5	5.4	3.8	7.2	5.4	5.2	5.4	5.4
SRX 8084	5.5	4.9	4.0	7.2	5.4	5.3	5.6	5.4
TITAN 2	6.7	4.8	3.6	6.9	5.8	4.6	5.2	5.4
JTTFC-96	6.2	4.6	3.9	7.2	5.6	5.4	4.9	5.4
DLF-1	5.5	4.8	3.1	7.0	5.5	4.9	5.0	5.1
DP 7952	6.1	4.3	3.1	6.7	5.2	4.8	4.9	5.0
AV-1	5.3	4.3	3.0	6.9	5.4	5.0	5.0	5.0
ARID	6.5	4.1	2.4	6.6	5.6	5.1	4.7	5.0
KENTUCKY-31 W/ENDO.	3.8	2.5	1.0	5.2	4.1	3.7	3.7	3.4
LSD VALUE	1.2	0.7	0.8	0.5	0.8	1.1	0.4	0.3
C.V. (%)	11.7	7.9	10.6	4.1	9.0	12.3	4.1	8.7

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 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT 3.1-4.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999 DATA

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

NAME	AR1	CA1	IN1	KS2	KY1	NE1	NJ1	OK1	MEAN
REMBRANDT (LTP-4026 E+)	6.4	6.7	6.9	6.8	8.3	7.0	6.3	6.8	6.9
MILLENNIUM (TMI-RBR)	6.1	6.7	6.8	7.0	7.9	6.6	6.8	6.6	6.8
MASTERPIECE (LTP-SD-TF)	6.0	7.1	6.8	7.0	8.0	6.8	6.3	6.6	6.8
PLANTATION (PENNINGTON-1901)	6.2	6.8	6.5	6.8	7.9	7.1	6.0	6.6	6.7
PICK RT-95	6.3	6.9	6.6	6.6	8.3	6.9	5.8	6.4	6.7
CROSSFIRE II	5.8	7.1	6.7	6.8	7.7	6.8	6.1	6.6	6.7
JAGUAR 3	6.3	6.8	6.8	6.7	8.0	7.1	5.2	6.3	6.6
SCORPIO (ZPS-2PTF)	6.1	6.8	6.6	6.5	8.0	6.4	6.0	6.4	6.6
MB 212	5.9	6.6	6.5	6.7	8.2	6.6	5.5	6.8	6.6
SHENANDOAH II (WRS2)	6.1	6.7	6.5	6.5	7.7	6.5	5.5	6.9	6.5
TRACER (BAR FA6 US1)	5.8	6.4	6.7	6.4	8.2	6.3	5.6	6.9	6.5
CU9502T	5.3	6.7	6.5	6.7	8.3	6.9	5.4	6.4	6.5
ARID 3 (J-98)	5.9	6.6	6.6	6.5	7.5	6.7	5.6	6.8	6.5
GAZELLE	5.5	6.8	6.9	6.4	7.5	6.8	5.7	6.5	6.5
WATCHDOG (PICK FA B-93)	6.0	6.6	6.9	6.5	7.8	6.3	5.4	6.5	6.5
COYOTE	5.8	6.6	6.6	6.5	7.7	6.3	5.8	6.7	6.5
BAR FA6 US2U	5.8	6.2	6.4	6.4	7.7	6.6	5.6	7.1	6.5
MB 213	6.0	6.3	6.4	6.8	7.9	6.0	5.3	7.0	6.5
OLYMPIC GOLD (PST-5E5)	6.1	6.8	6.4	6.9	8.0	6.1	4.8	6.6	6.5
MB 29	6.4	6.4	6.3	6.3	8.1	6.0	5.0	7.0	6.5
TAR HEEL	5.7	6.6	6.4	6.5	7.8	6.5	5.5	6.5	6.4
BAR FA 6D	5.6	6.4	6.7	6.7	7.8	6.0	5.5	6.8	6.4
MB 26	5.8	6.7	6.5	6.1	7.9	6.3	5.1	6.9	6.4
BARRERA (BAR FA6 US3)	5.3	6.4	6.6	6.3	8.3	6.3	5.1	7.0	6.4
DURANA (MB 211)	5.9	6.5	6.3	6.5	8.2	6.3	4.7	6.8	6.4
BARRINGTON (BAR FA6D USA)	4.9	6.6	6.7	6.4	7.8	6.2	5.7	7.0	6.4
CU9501T	5.2	6.5	6.4	6.7	7.8	6.8	5.0	6.5	6.4
BAR FA 6LV	5.6	6.5	6.5	6.6	7.7	5.8	5.4	6.7	6.4
ONCUE (PST-523)	5.9	6.8	6.6	6.2	7.5	6.7	4.6	6.5	6.3
BRANDY (J-101)	5.3	6.9	6.5	6.3	7.2	6.2	5.8	6.6	6.3
REBEL SENTRY (AA-A91)	5.3	6.5	6.4	6.4	7.6	6.5	5.4	6.6	6.3
APACHE II	5.9	6.4	6.3	6.5	7.9	6.4	4.8	6.4	6.3
SUNPRO	6.0	6.2	6.3	5.9	7.8	6.5	5.3	6.5	6.3
BONSAI 2000 (BULLET)	4.6	6.7	6.5	6.8	7.7	6.0	5.7	6.4	6.3
DOMINION (PST-5M5)	5.5	6.4	6.3	6.6	7.8	6.8	4.5	6.5	6.3
WOLFPACK (PST-R5TK)	5.1	6.6	6.5	6.7	7.7	6.5	4.6	6.6	6.3
MB 28	5.8	6.1	6.0	6.4	7.5	6.1	5.4	7.0	6.3
FINELAWN 5LZ (ZPS-5LZ)	5.9	6.7	6.3	6.1	7.3	6.0	4.9	6.9	6.3
MB 214	5.6	6.3	6.2	6.5	7.6	6.3	4.6	7.1	6.3
RED COAT (ATF-038)	5.9	6.6	6.7	6.3	7.3	6.4	4.5	6.5	6.3
REBEL 2000 (AA-989)	6.0	6.4	6.3	6.5	7.2	6.5	4.6	6.7	6.3
EMPRESS	5.1	6.6	6.8	6.3	7.5	6.2	4.9	6.5	6.3
PST-5TO	5.6	6.6	6.4	6.6	7.6	6.0	4.7	6.6	6.3
WILDFIRE (ATF-196)	5.6	6.7	6.5	6.2	6.3	6.7	5.5	6.5	6.3

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT 3.1-4.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF									
NAME	AR1	CA1	IN1	KS2	KY1	NE1	NJ1	OK1	MEAN
R5AU	5.8	6.6	6.5	6.6	7.4	6.0	4.5	6.5	6.2
SR 8210	5.5	6.5	6.7	6.3	7.4	6.0	4.9	6.5	6.2
OFI-96-31	5.3	6.4	6.5	6.3	7.1	6.5	5.0	6.7	6.2
CORONADO	5.0	6.7	6.2	6.3	7.4	6.2	5.6	6.5	6.2
PICK FA XK-95	5.8	6.5	6.4	6.3	7.3	6.0	5.0	6.6	6.2
MUSTANG II	5.8	6.6	6.5	6.5	7.2	6.2	4.4	6.5	6.2
OFI-951	5.6	6.5	6.5	6.2	7.3	6.3	4.8	6.6	6.2
SOUTHERN CHOICE	5.4	6.5	6.3	6.3	7.2	6.6	4.8	6.6	6.2
GENESIS	5.4	6.2	6.3	6.4	7.5	6.0	5.1	6.8	6.2
ANTHEM II (TMI-FMN)	4.9	6.5	6.3	6.5	7.3	6.4	5.4	6.4	6.2
WYATT (ATF-188)	4.9	6.8	6.7	6.1	7.5	6.3	5.2	6.2	6.2
BRAVO (RG-93)	4.9	6.6	6.5	6.5	7.8	6.0	5.0	6.5	6.2
OFI-931	5.5	6.2	6.7	6.2	7.8	5.9	4.6	6.7	6.2
OFI-FWY	5.4	6.4	6.4	6.1	7.5	6.1	5.0	6.7	6.2
AZTEC II (TMI-AZ)	4.5	6.8	6.6	6.6	7.4	6.0	5.1	6.5	6.2
AIRLIE (MB 210)	5.0	6.3	6.3	6.8	7.5	6.2	4.5	6.7	6.2
PICK FA N-93	4.7	6.6	6.6	6.3	7.6	5.6	5.4	6.6	6.2
ATF-257	5.9	6.9	6.3	6.5	7.3	6.1	4.1	6.3	6.2
TF6 (BAR FA6 US6F)	5.4	6.4	6.3	6.4	7.5	6.1	4.5	6.7	6.2
ARABIA (J-5)	5.4	6.4	6.6	6.1	7.3	5.7	5.1	6.6	6.2
BANDANA (EST-R5AE)	5.2	6.9	6.4	6.5	7.1	6.2	4.4	6.5	6.2
BULLDAWG (PICK GA-96)	5.4	6.6	6.6	6.3	7.6	5.9	4.4	6.5	6.2
MB 216	5.8	6.0	6.2	6.3	7.2	6.1	4.8	6.9	6.2
RESERVE (ATF-182)	5.5	6.4	6.5	6.5	7.2	6.4	4.4	6.5	6.2
CORONADO GOLD (PST-5RT)	5.5	6.7	6.4	6.3	7.4	5.7	4.8	6.5	6.2
MB 215	5.6	6.1	6.1	6.5	7.1	6.2	4.7	6.9	6.2
SRX 8500	5.3	6.6	6.4	6.0	7.5	6.4	4.6	6.5	6.1
PICK FA 15-92	5.4	6.7	6.5	6.0	6.8	6.1	5.2	6.5	6.1
TULSA	5.2	6.8	6.5	6.4	7.2	6.2	4.2	6.5	6.1
ARID II (J-3)	4.9	6.3	6.3	6.5	7.0	6.3	5.1	6.5	6.1
ISI-TF9	5.0	6.5	6.3	6.3	7.8	6.1	4.5	6.5	6.1
WX3-275	5.4	6.4	6.3	6.4	7.5	5.4	5.3	6.3	6.1
COCHISE II	5.7	6.6	6.4	6.2	6.8	5.9	4.4	6.5	6.1
EA 41	5.4	6.5	6.3	6.4	7.1	5.3	4.8	6.7	6.1
DUSTER	5.1	6.5	6.5	6.3	7.1	6.2	4.2	6.5	6.1
CHAPEL HILL (TA-7)	4.9	6.0	6.2	6.3	7.7	6.3	4.5	6.6	6.1
LION	5.6	6.2	5.9	6.4	7.2	5.9	4.4	6.9	6.0
VELOCITY (AA-983)	5.6	6.3	6.3	6.5	7.0	6.5	3.8	6.3	6.0
PICK FA 20-92	5.0	6.6	6.5	6.3	6.8	6.0	4.3	6.8	6.0
ALAMO E	5.6	6.4	6.3	6.3	6.9	5.6	5.0	6.4	6.0
TWILLIGHT II (TMI-TW)	4.9	6.6	6.1	6.4	7.0	5.8	5.1	6.5	6.0
REGIMENT	5.1	6.4	6.4	6.2	7.1	6.0	4.7	6.4	6.0
ISI-TF10	5.4	6.1	6.2	6.2	7.5	5.4	4.9	6.7	6.0
TOMAHAWK-E	4.8	6.5	6.2	6.3	7.1	6.2	4.6	6.5	6.0
SHORTSTOP II	5.0	6.6	6.2	6.3	6.9	6.4	4.6	6.2	6.0

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT 3.1-4.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF									
NAME	AR1	CA1	IN1	KS2	KY1	NE1	NJ1	OK1	MEAN
ATF-253	4.8	6.6	6.1	6.6	7.1	5.7	4.8	6.5	6.0
ATF-022	5.5	6.5	6.2	6.5	6.8	6.3	3.9	6.3	6.0
FALCON II	4.8	6.3	6.3	6.6	6.9	6.4	4.3	6.5	6.0
ISI-TF11	5.1	6.3	6.3	6.3	7.6	5.7	4.3	6.3	6.0
SHENANDOAH	5.3	5.8	6.2	6.1	7.5	6.5	4.1	6.4	6.0
SAFARI	5.3	6.4	6.3	6.5	7.3	6.0	3.9	6.2	6.0
PEDESTAL (PC-AO)	4.4	6.1	6.1	6.5	7.8	6.5	3.8	6.5	6.0
ATF-020	5.5	6.4	6.0	6.3	7.1	6.0	3.9	6.3	5.9
DP 50-9011	4.7	6.5	6.5	6.3	7.3	5.9	3.8	6.5	5.9
ARIZONA (PICK FA 6-91)	5.4	6.5	6.5	6.3	6.5	5.7	4.0	6.5	5.9
RENEGADE	4.9	6.2	6.0	6.2	7.2	6.2	3.9	6.7	5.9
PICK FA UT-93	5.1	6.4	6.4	6.2	7.2	5.8	4.0	6.4	5.9
PRO 8430	4.9	6.4	6.4	6.3	6.7	6.2	4.0	6.3	5.9
PIXIE E+	5.0	6.1	6.4	6.3	6.7	6.0	4.2	6.4	5.9
GLEN EAGLE (EC-101)	4.9	6.4	6.3	6.5	7.5	5.2	3.9	6.5	5.9
MARKSMAN	5.4	5.9	5.9	6.0	6.7	6.4	4.1	6.5	5.9
FINELAWN PETITE	4.4	6.1	6.1	6.2	7.3	5.5	4.6	6.7	5.9
WVPB-1B	4.9	6.1	6.2	6.4	6.9	5.6	4.0	6.3	5.8
COMSTOCK (SSDE31)	5.0	6.0	6.1	6.2	7.3	5.1	4.3	6.3	5.8
HELIX (WVPB-1D)	5.1	5.9	5.8	6.3	7.1	5.8	4.0	6.4	5.8
KITTY HAWK S.S.T. (SS45DW)	4.2	6.3	6.2	6.4	7.1	5.7	3.8	6.3	5.8
SRX 8084	4.5	6.5	5.7	6.3	7.3	5.9	3.5	6.3	5.7
OFI-96-32	4.8	6.1	5.6	6.3	7.2	5.5	3.9	6.4	5.7
LEPRECHAUN	4.8	6.2	5.9	6.1	6.8	5.8	3.9	6.2	5.7
PSII-TF-9	4.9	5.9	6.0	6.1	7.0	5.6	3.7	6.5	5.7
PSII-TF-10	4.6	6.1	5.7	6.1	6.9	5.7	4.2	6.3	5.7
EQUINOX (TMI-N91)	4.4	6.4	5.8	6.1	6.8	5.3	4.0	6.6	5.7
GOOD-EN (KOOS 96-14)	4.7	5.7	5.4	6.3	7.0	5.2	4.5	6.3	5.6
TITAN 2	4.8	5.7	6.0	6.2	7.0	5.9	3.5	6.1	5.6
JTTFC-96	4.6	6.2	6.1	6.0	7.3	5.8	3.0	6.0	5.6
JSC-1	3.9	5.9	5.8	6.1	7.2	5.9	3.6	6.3	5.6
WPEZE (WVPB-1C)	4.7	5.7	5.8	6.4	7.3	4.9	3.4	6.3	5.6
BONSAI	4.2	6.1	6.2	6.2	6.6	5.4	3.3	6.2	5.5
AXIOM (ATF-192)	4.6	6.1	5.8	6.3	6.0	5.3	3.4	6.4	5.5
JTTFA-96	4.1	6.0	6.3	4.5	6.5	5.9	3.2	5.9	5.3
DLF-1	4.1	5.5	5.4	6.3	6.4	5.3	2.7	6.0	5.2
ARID	3.9	5.3	5.6	5.5	6.4	5.5	2.5	5.7	5.0
DP 7952	3.4	5.2	5.8	5.6	5.9	4.8	2.1	5.8	4.8
AV-1	3.2	5.3	5.0	5.4	6.0	5.0	2.1	6.1	4.8
KENTUCKY-31 W/ENDO.	2.9	3.1	2.9	4.2	4.6	3.3	1.2	4.9	3.4
LSD VALUE	1.0	0.4	0.4	0.4	0.6	0.7	1.1	0.4	0.2
C.V. (%)	11.3	4.4	3.5	4.3	4.9	7.7	14.8	3.6	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 10.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT 4.1+ LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999 DATA

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

NAME	CA3	MO1	MEAN	NAME	CA3	MO1	MEAN
SCORPIO (ZPS-2PTF)	6.4	5.1	5.8	WATCHDOG (PICK FA B-93)	6.0	4.6	5.3
R5AU	6.3	5.1	5.7	MB 213	5.9	4.7	5.3
MILLENNIUM (TMI-RBR)	6.5	5.0	5.7	MB 215	5.7	4.9	5.3
PLANTATION (PENNINGTON-1901)	6.4	4.9	5.7	ISI-TF10	5.8	4.7	5.3
PICK RT-95	6.5	4.8	5.6	AIRLIE (MB 210)	5.8	4.7	5.3
REMBRANDT (LTP-4026 E+)	6.2	5.0	5.6	PICK FA 15-92	5.8	4.7	5.3
SHENANDOAH II (WRS2)	6.3	4.9	5.6	OFI-951	5.8	4.7	5.2
CORONADO	6.4	4.7	5.5	OFI-FWY	5.8	4.7	5.2
BRANDY (J-101)	6.0	5.0	5.5	ARIZONA (PICK FA 6-91)	5.6	4.9	5.2
PICK FA N-93	6.1	5.0	5.5	TOMAHAWK-E	6.0	4.5	5.2
WILDFIRE (ATF-196)	6.2	4.8	5.5	PRO 8430	6.0	4.4	5.2
BAR FA 6D	6.2	4.8	5.5	SUNPRO	6.0	4.4	5.2
COYOTE	6.0	5.0	5.5	PST-5TO	5.8	4.6	5.2
TAR HEEL	6.3	4.6	5.5	ARABIA (J-5)	6.0	4.5	5.2
BAR FA 6LV	6.1	4.8	5.5	TULSA	6.1	4.4	5.2
GAZELLE	6.2	4.7	5.5	BULLDAWG (PICK GA-96)	5.8	4.6	5.2
TRACER (BAR FA6 US1)	6.2	4.8	5.5	TWILIGHT II (TMI-TW)	5.7	4.7	5.2
BANDANA (PST-R5AE)	6.2	4.7	5.4	WYATT (ATF-188)	6.0	4.4	5.2
OFI-931	5.9	5.0	5.4	EA 41	5.6	4.8	5.2
CROSSFIRE II	6.1	4.8	5.4	RESERVE (ATF-182)	6.0	4.4	5.2
OFI-96-31	6.0	4.8	5.4	DP 50-9011	5.8	4.6	5.2
MB 26	6.2	4.6	5.4	GENESIS	5.8	4.6	5.2
BARRERA (BAR FA6 US3)	6.0	4.8	5.4	ARID 3 (J-98)	5.8	4.5	5.2
TF6 (BAR FA6 US6F)	5.9	4.9	5.4	CU9501T	6.2	4.2	5.2
MB 29	5.8	5.0	5.4	RED COAT (ATF-038)	5.9	4.4	5.2
PICK FA XK-95	6.0	4.7	5.4	LION	5.9	4.5	5.2
CHAPEL HILL (TA-7)	5.8	4.9	5.4	BARRINGTON (BAR FA6D USA)	6.0	4.3	5.2
ONCUE (PST-523)	6.1	4.6	5.4	PIXIE E+	5.8	4.5	5.2
PICK FA 20-92	6.1	4.6	5.4	LEPRECHAUN	5.9	4.4	5.2
AZTEC II (TMI-AZ)	6.3	4.4	5.4	SR 8210	6.2	4.1	5.2
CU9502T	5.9	4.8	5.4	MB 216	5.7	4.6	5.1
MB 214	6.1	4.6	5.4	BONSAI	6.0	4.3	5.1
WOLFPACK (PST-R5TK)	6.4	4.3	5.4	REBEL 2000 (AA-989)	6.0	4.3	5.1
ALAMO E	6.2	4.5	5.3	DURANA (MB 211)	5.8	4.5	5.1
FINELAWN 5LZ (ZPS-5LZ)	6.2	4.5	5.3	EMPRESS	5.8	4.5	5.1
CORONADO GOLD (PST-5RT)	6.1	4.6	5.3	ATF-253	5.8	4.5	5.1
REBEL SENTRY (AA-A91)	6.0	4.7	5.3	WX3-275	5.6	4.6	5.1
SRX 8500	5.8	4.9	5.3	BRAVO (RG-93)	5.7	4.5	5.1
DUSTER	6.2	4.4	5.3	ISI-TF9	5.9	4.4	5.1
DOMINION (PST-5M5)	5.9	4.7	5.3	VELOCITY (AA-983)	5.7	4.6	5.1
BAR FA6 US2U	6.1	4.5	5.3	PICK FA UT-93	5.8	4.4	5.1
MASTERPIECE (LTP-SD-TF)	6.1	4.5	5.3	SOUTHERN CHOICE	6.0	4.2	5.1
MB 212	5.9	4.7	5.3	APACHE II	6.0	4.2	5.1
RENEGADE	6.0	4.6	5.3	BONSAI 2000 (BULLET)	6.2	4.0	5.1
OLYMPIC GOLD (PST-5E5)	6.1	4.5	5.3	MB 28	5.6	4.6	5.1

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT 4.1+ LBS. OF NITROGEN/1000 SQ. FT./YEAR
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA3	MO1	MEAN
AXIOM (ATF-192)	5.7	4.5	5.1
SHORTSTOP II	6.0	4.2	5.1
ATF-257	6.2	4.0	5.1
COCHISE II	5.6	4.5	5.1
ARID II (J-3)	6.0	4.1	5.0
GLEN EAGLE (EC-101)	5.8	4.3	5.0
KITTY HAWK S.S.T. (SS45DW)	5.8	4.3	5.0
REGIMENT	5.5	4.6	5.0
EQUINOX (TMI-N91)	5.7	4.3	5.0
FALCON II	5.7	4.3	5.0
JAGUAR 3	6.1	3.9	5.0
SAFARI	5.5	4.4	5.0
PEDESTAL (PC-AO)	5.6	4.3	5.0
WVPB-1B	5.6	4.3	4.9
ISI-TF11	5.5	4.3	4.9
MUSTANG II	5.6	4.2	4.9
SRX 8084	5.7	4.1	4.9
COMSTOCK (SSDE31)	5.5	4.3	4.9
ATF-022	5.4	4.4	4.9
OFI-96-32	5.5	4.2	4.9
ANTHEM II (TMI-FMN)	5.8	4.0	4.9
MARKSMAN	5.3	4.4	4.9
HELIX (WVPB-1D)	5.3	4.4	4.9
JTTFC-96	5.4	4.2	4.8
SHENANDOAH	5.4	4.1	4.8
FINELAWN PETITE	5.7	3.9	4.8
ATF-020	5.9	3.6	4.8
GOOD-EN (KOOS 96-14)	5.1	4.3	4.7
PSII-TF-9	5.3	4.0	4.6
JSC-1	5.4	3.8	4.6
PSII-TF-10	5.2	4.0	4.6
TITAN 2	5.0	4.0	4.5
WPEZE (WVPB-1C)	5.0	4.0	4.5
JTTFA-96	5.5	3.3	4.4
DLF-1	4.7	4.1	4.4
ARID	5.1	3.5	4.3
AV-1	4.8	3.8	4.3
DP 7952	4.3	4.0	4.1
KENTUCKY-31 W/ENDO.	4.0	4.0	4.0
LSD VALUE	0.6	0.6	0.4
C.V. (%)	6.0	8.4	7.0

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 11. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT DIFFERENT MOWING HEIGHTS 1/
1999 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+)	6.8	6.5	6.3	6.5	6.5
PLANTATION (PENNINGTON-1901)	6.7	6.5	6.2	6.5	6.5
MILLENNIUM (TMI-RBR)	6.7	6.6	6.2	6.5	6.5
PICK RT-95	6.6	6.5	6.2	6.5	6.4
SCORPIO (ZPS-2PTF)	6.4	6.5	6.2	6.5	6.4
MASTERPIECE (LTP-SD-TF)	6.6	6.5	6.2	6.4	6.4
CROSSFIRE II	6.5	6.4	6.0	6.4	6.3
COYOTE	6.3	6.3	6.3	6.3	6.3
SHENANDOAH II (WRS2)	6.2	6.4	6.2	6.3	6.3
MB 212	6.3	6.3	6.1	6.2	6.2
CU9502T	6.3	6.2	6.1	6.1	6.2
JAGUAR 3	6.4	6.4	5.9	6.2	6.2
WATCHDOG (PICK FA B-93)	6.2	6.3	6.1	6.2	6.2
TAR HEEL	6.2	6.3	6.0	6.2	6.2
MB 29	6.0	6.3	6.2	6.1	6.2
OLYMPIC GOLD (PST-5E5)	6.0	6.3	6.1	6.1	6.1
DOMINION (PST-5M5)	6.0	6.1	6.1	6.3	6.1
REBEL SENTRY (AA-A91)	6.1	6.2	5.9	6.3	6.1
MB 213	5.9	6.2	6.0	6.3	6.1
WOLFPACK (PST-R5TK)	6.0	6.3	5.9	6.3	6.1
GAZELLE	6.2	6.4	5.9	6.0	6.1
ARID 3 (J-98)	6.1	6.2	5.9	6.1	6.1
BARRERA (BAR FA6 US3)	6.1	6.3	5.9	6.1	6.1
CU9501T	6.2	6.3	5.9	6.0	6.1
R5AU	5.6	6.3	6.1	6.2	6.1
ONCUE (PST-523)	6.0	6.3	5.9	6.1	6.1
BAR FA6 US2U	6.1	6.2	5.9	6.1	6.0
BRANDY (J-101)	5.8	6.3	5.8	6.2	6.0
MB 28	6.0	6.0	6.0	6.0	6.0
FINELAWN 5LZ (ZPS-5LZ)	5.9	6.3	5.9	6.1	6.0
MB 26	6.1	6.4	5.9	5.8	6.0
DURANA (MB 211)	5.9	6.1	5.9	6.1	6.0
BAR FA 6D	5.9	6.4	6.0	5.9	6.0
OFT-931	5.8	6.2	6.0	6.1	6.0
SOUTHERN CHOICE	5.9	6.2	5.8	6.1	6.0
GENESIS	5.6	6.0	6.1	6.2	6.0
SR 8210	5.8	6.3	5.7	6.2	6.0
EMPRESS	5.9	6.3	5.8	6.1	6.0
MB 214	5.6	6.2	6.1	5.9	6.0
CORONADO	6.0	6.3	5.6	6.1	6.0
BONSAI 2000 (BULLET)	6.1	6.3	5.7	6.0	6.0
MB 216	5.6	6.0	5.9	6.2	6.0
PICK FA XK-95	5.8	6.2	5.8	6.1	6.0
MB 215	5.4	6.0	6.2	6.1	6.0
RED COAT (ATF-038)	5.8	6.2	6.0	5.9	6.0

TABLE 11. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT DIFFERENT MOWING HEIGHTS
1999 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+	
PST-5TO	5.9	6.2	5.9	6.0	6.0
BRAVO (RG-93)	5.9	6.2	5.8	6.0	6.0
OFI-96-31	5.9	6.3	5.8	6.0	6.0
TF6 (BAR FA6 US6F)	5.7	6.1	5.9	6.1	6.0
SUNPRO	6.1	6.1	5.7	6.0	6.0
WYATT (ATF-188)	6.0	6.3	5.7	6.0	6.0
BARRINGTON (BAR FA6D USA)	6.0	6.3	5.7	5.9	6.0
OFI-951	5.7	6.2	5.9	6.1	5.9
WILDFIRE (ATF-196)	5.8	6.3	5.9	5.9	5.9
BAR FA 6LV	5.8	6.3	5.9	5.9	5.9
TRACER (BAR FA6 US1)	6.1	6.4	5.8	5.7	5.9
DUSTER	5.5	6.2	5.9	6.1	5.9
REBEL 2000 (AA-989)	5.6	6.2	5.9	6.0	5.9
CHAPEL HILL (TA-7)	5.7	6.0	5.9	6.1	5.9
ANTHEM II (TMI-FMN)	6.0	6.1	5.5	6.2	5.9
APACHE II	5.9	6.1	5.8	5.9	5.9
ATF-257	5.6	6.3	5.8	6.0	5.9
PICK FA N-93	5.9	6.3	5.7	6.0	5.9
BANDANA (PST-R5AE)	5.6	6.3	5.8	6.0	5.9
CORONADO GOLD (PST-5RT)	5.6	6.3	5.6	6.2	5.9
AZTEC II (TMI-AZ)	5.7	6.4	5.5	6.1	5.9
AIRLIE (MB 210)	5.7	6.0	5.9	5.9	5.9
PIXIE E+	5.3	6.1	5.9	6.2	5.9
LION	5.5	5.9	5.8	6.2	5.9
ISI-TF11	5.5	5.9	5.8	6.2	5.9
TULSA	5.6	6.3	5.7	6.0	5.9
ISI-TF9	5.6	6.1	5.7	6.1	5.9
MUSTANG II	5.7	6.0	5.8	6.0	5.9
ALAMO E	5.5	6.2	5.8	6.0	5.9
REGIMENT	5.7	6.0	5.8	6.0	5.9
ARID II (J-3)	5.8	6.1	5.6	6.1	5.9
PICK FA 20-92	5.6	6.4	5.7	5.8	5.9
FALCON II	5.5	6.0	5.9	6.0	5.9
BULLDAWG (PICK GA-96)	5.7	6.2	5.9	5.7	5.9
RESERVE (ATF-182)	5.7	6.2	6.0	5.6	5.9
SRX 8500	5.8	6.1	5.7	5.9	5.9
OFI-FWY	5.7	6.1	5.8	5.9	5.8
TWILIGHT II (TMI-TW)	5.6	6.1	5.8	5.9	5.8
EA 41	5.5	6.1	5.8	5.8	5.8
SAFARI	5.2	5.9	5.8	6.2	5.8
RENEGADE	5.4	5.9	5.8	6.0	5.8
PICK FA 15-92	5.7	6.3	5.4	6.0	5.8
ARABIA (J-5)	5.6	6.2	5.6	5.8	5.8
TOMAHAWK-E	5.4	6.1	5.8	5.9	5.8
ATF-253	5.6	6.0	5.7	5.8	5.8

TABLE 11. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) AT DIFFERENT MOWING HEIGHTS
 1999 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+	
PRO 8430	5.2	6.1	5.7	6.1	5.8
SHENANDOAH	5.5	5.8	5.7	6.0	5.8
MARKSMAN	5.4	5.7	5.6	6.2	5.8
VELOCITY (AA-983)	5.3	6.0	5.8	5.8	5.8
COCHISE II	5.4	6.1	5.8	5.7	5.7
ISI-TF10	5.5	6.0	5.7	5.8	5.7
WX3-275	5.6	6.0	5.6	5.9	5.7
ATF-022	5.3	5.9	5.8	5.8	5.7
ARIZONA (PICK FA 6-91)	5.1	6.2	5.7	5.8	5.7
FINELAWN PETITE	5.4	5.9	5.6	5.9	5.7
GLEN EAGLE (EC-101)	5.3	6.0	5.7	5.9	5.7
PEDESTAL (PC-AO)	5.5	5.9	5.6	5.8	5.7
SHORTSTOP II	5.6	6.2	5.4	5.7	5.7
LEPRECHAUN	5.2	5.9	5.6	5.9	5.7
ATF-020	5.3	6.0	5.7	5.6	5.7
PSII-TF-9	5.2	5.8	5.7	5.8	5.6
HELIX (WVPB-1D)	5.4	5.6	5.7	5.8	5.6
DP 50-9011	5.2	6.1	5.6	5.6	5.6
COMSTOCK (SSDE31)	5.2	5.9	5.7	5.7	5.6
OFT-96-32	5.3	5.7	5.6	5.7	5.6
GOOD-EN (KOOS 96-14)	5.3	5.5	5.8	5.6	5.6
EQUINCK (TMI-N91)	5.1	6.0	5.4	5.9	5.6
WVPB-1B	5.2	5.8	5.6	5.6	5.6
KITTY HAWK S.S.T. (SS45DW)	5.2	6.0	5.3	5.8	5.6
SRX 8084	5.2	5.9	5.4	5.8	5.5
WPEZE (WVPB-1C)	5.0	5.5	5.7	5.7	5.5
JSC-1	5.1	5.7	5.4	5.7	5.5
PICK FA UT-93	5.3	6.1	5.3	5.4	5.5
TITAN 2	5.0	5.5	5.6	5.7	5.5
PSII-TF-10	5.2	5.7	5.4	5.6	5.5
AXIOM (ATF-192)	4.7	5.7	5.7	5.6	5.5
BONSAI	4.8	5.9	5.3	5.7	5.4
JTTFC-96	5.0	5.6	5.4	5.6	5.4
JTTFA-96	4.9	5.7	5.0	5.6	5.3
DLF-1	4.4	5.2	5.3	5.3	5.1
ARID	4.2	5.1	5.1	5.3	5.0
DP 7952	4.0	5.0	5.0	5.4	4.9
AV-1	4.0	5.0	4.9	5.4	4.9
KENTUCKY-31 W/ENDO.	2.5	3.4	4.0	4.3	3.7
LSD VALUE	0.4	0.2	0.3	0.4	0.2
C.V. (%)	9.1	6.6	8.5	9.2	8.2

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 12.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT A 0.6-1.5 INCH MOWING HEIGHT 1/
1999 DATA

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

NAME	KY1	NE1	NJ1	NJ2	MEAN	NAME	KY1	NE1	NJ1	NJ2	MEAN
REMBRANDT (LTP-4026 E+)	8.3	7.0	6.3	5.8	6.8	WILDFIRE (ATF-196)	6.3	6.7	5.5	4.9	5.8
PLANTATION (PENNINGTON-1901)	7.9	7.1	6.0	5.9	6.7	BRANDY (J-101)	7.2	6.2	5.8	4.1	5.8
MILLENNIUM (TMI-RBR)	7.9	6.6	6.8	5.3	6.7	PICK FA XK-95	7.3	6.0	5.0	5.0	5.8
PICK RT-95	8.3	6.9	5.8	5.3	6.6	OFI-931	7.8	5.9	4.6	4.9	5.8
MASTERPIECE (LTP-SD-TF)	8.0	6.8	6.3	5.3	6.6	SRX 8500	7.5	6.4	4.6	4.7	5.8
CROSSFIRE II	7.7	6.8	6.1	5.5	6.5	RED COAT (ATF-038)	7.3	6.4	4.5	5.0	5.8
SCORPIO (ZPS-2PTF)	8.0	6.4	6.0	5.2	6.4	ARID II (J-3)	7.0	6.3	5.1	4.6	5.8
JAGUAR 3	8.0	7.1	5.2	5.3	6.4	SR 8210	7.4	6.0	4.9	4.8	5.8
MB 212	8.2	6.6	5.5	5.2	6.3	BAR FA 6LV	7.7	5.8	5.4	4.1	5.8
CU9502T	8.3	6.9	5.4	4.6	6.3	AZTEC II (TMI-AZ)	7.4	6.0	5.1	4.5	5.7
COYOTE	7.7	6.3	5.8	5.2	6.3	OFI-951	7.3	6.3	4.8	4.6	5.7
GAZELLE	7.5	6.8	5.7	5.0	6.2	TF6 (BAR FA6 US6F)	7.5	6.1	4.5	4.8	5.7
SHENANDOAH II (WRS2)	7.7	6.5	5.5	5.2	6.2	AIRLIE (MB 210)	7.5	6.2	4.5	4.6	5.7
TAR HEEL	7.8	6.5	5.5	5.0	6.2	CHAPEL HILL (TA-7)	7.7	6.3	4.5	4.3	5.7
CU9501T	7.8	6.8	5.0	5.0	6.2	BULLDAG (PICK GA-96)	7.6	5.9	4.4	4.9	5.7
WATCHDOG (PICK FA B-93)	7.8	6.3	5.4	5.1	6.2	OFI-FWY	7.5	6.1	5.0	4.2	5.7
REBEL SENTRY (AA-A91)	7.6	6.5	5.4	5.1	6.1	RESERVE (ATF-182)	7.2	6.4	4.4	4.7	5.7
ARID 3 (J-98)	7.5	6.7	5.6	4.8	6.1	PICK FA 15-92	6.8	6.1	5.2	4.6	5.7
TRACER (BAR FA6 US1)	8.2	6.3	5.6	4.4	6.1	MUSTANG II	7.2	6.2	4.4	4.8	5.7
BAR FA6 US2U	7.7	6.6	5.6	4.4	6.1	REGIMENT	7.1	6.0	4.7	4.8	5.7
BARRERA (BAR FA6 US3)	8.3	6.3	5.1	4.7	6.1	CORONADO GOLD (PST-5RT)	7.4	5.7	4.8	4.7	5.6
BONSAI 2000 (BULLET)	7.7	6.0	5.7	4.9	6.1	MB 214	7.6	6.3	4.6	4.0	5.6
SUNPRO	7.8	6.5	5.3	4.7	6.1	R5AU	7.4	6.0	4.5	4.6	5.6
MB 26	7.9	6.3	5.1	4.9	6.1	ISI-TF9	7.8	6.1	4.5	4.2	5.6
DOMINION (PST-5M5)	7.8	6.8	4.5	5.0	6.0	TULSA	7.2	6.2	4.2	5.0	5.6
ANTHEM II (TMI-FMN)	7.3	6.4	5.4	4.9	6.0	ARABIA (J-5)	7.3	5.7	5.1	4.4	5.6
OLYMPIC GOLD (PST-5E5)	8.0	6.1	4.8	5.1	6.0	PICK FA 20-92	6.8	6.0	4.3	5.3	5.6
WOLFPAK (PST-R5TK)	7.7	6.5	4.6	5.1	6.0	ATF-253	7.1	5.7	4.8	4.9	5.6
ONCUE (PST-523)	7.5	6.7	4.6	5.1	6.0	ATF-257	7.3	6.1	4.1	5.0	5.6
CORONADO	7.4	6.2	5.6	4.7	6.0	GENESIS	7.5	6.0	5.1	3.9	5.6
WYATT (ATF-188)	7.5	6.3	5.2	4.9	6.0	TWILIGHT II (TMI-TW)	7.0	5.8	5.1	4.5	5.6
MB 29	8.1	6.0	5.0	4.8	6.0	SHORTSTOP II	6.9	6.4	4.6	4.5	5.6
BARRINGTON (BAR FA6D USA)	7.8	6.2	5.7	4.3	6.0	MB 216	7.2	6.1	4.8	4.3	5.6
MB 28	7.5	6.1	5.4	5.0	6.0	WX3-275	7.5	5.4	5.3	4.1	5.6
APACHE II	7.9	6.4	4.8	4.7	5.9	REBEL 2000 (AA-989)	7.2	6.5	4.6	4.0	5.6
MB 213	7.9	6.0	5.3	4.6	5.9	BANDANA (PST-R5AE)	7.1	6.2	4.4	4.5	5.6
SOUTHERN CHOICE	7.2	6.6	4.8	5.1	5.9	DUSTER	7.1	6.2	4.2	4.6	5.5
DURANA (MB 211)	8.2	6.3	4.7	4.5	5.9	ISI-TF11	7.6	5.7	4.3	4.6	5.5
BRAVO (RG-93)	7.8	6.0	5.0	5.0	5.9	SHENANDOAH	7.5	6.5	4.1	4.1	5.5
EMPRESS	7.5	6.2	4.9	5.0	5.9	ALAMO E	6.9	5.6	5.0	4.7	5.5
BAR FA 6D	7.8	6.0	5.5	4.3	5.9	PEDESTAL (PC-AO)	7.8	6.5	3.8	4.0	5.5
FINELAWN 5LZ (ZPS-5LZ)	7.3	6.0	4.9	5.3	5.9	FALCON II	6.9	6.4	4.3	4.4	5.5
PICK FA N-93	7.6	5.6	5.4	4.9	5.9	EA 41	7.1	5.3	4.8	4.8	5.5
PST-5TO	7.6	6.0	4.7	5.1	5.9	LION	7.2	5.9	4.4	4.5	5.5
OFI-96-31	7.1	6.5	5.0	4.8	5.9	ISI-TF10	7.5	5.4	4.9	4.1	5.5

TABLE 12. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT A 0.6-1.5 INCH MOWING HEIGHT
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	KY1	NE1	NJ1	NJ2	MEAN
MB 215	7.1	6.2	4.7	3.8	5.4
TOMAHAWK-E	7.1	6.2	4.6	3.8	5.4
RENEGADE	7.2	6.2	3.9	4.3	5.4
MARKSMAN	6.7	6.4	4.1	4.4	5.4
FINELAWN PETITE	7.3	5.5	4.6	4.2	5.4
HELIX (WVPB-1D)	7.1	5.8	4.0	4.6	5.4
COCHISE II	6.8	5.9	4.4	4.3	5.4
PIXIE E+	6.7	6.0	4.2	4.4	5.3
GOOD-EN (KOOS 96-14)	7.0	5.2	4.5	4.7	5.3
VELOCITY (AA-983)	7.0	6.5	3.8	4.0	5.3
ATF-022	6.8	6.3	3.9	4.3	5.3
ATF-020	7.1	6.0	3.9	4.3	5.3
PICK FA UT-93	7.2	5.8	4.0	4.2	5.3
OFI-96-32	7.2	5.5	3.9	4.5	5.3
GLEN EAGLE (EC-101)	7.5	5.2	3.9	4.5	5.3
SAFARI	7.3	6.0	3.9	3.8	5.2
COMSTOCK (SSDE31)	7.3	5.1	4.3	4.2	5.2
PSII-TF-10	6.9	5.7	4.2	4.1	5.2
DP 50-9011	7.3	5.9	3.8	3.9	5.2
PRO 8430	6.7	6.2	4.0	4.0	5.2
PSII-TF-9	7.0	5.6	3.7	4.5	5.2
WVPB-1B	6.9	5.6	4.0	4.3	5.2
LEPRECHAUN	6.8	5.8	3.9	4.2	5.2
KITTY HAWK S.S.T. (SS45DW)	7.1	5.7	3.8	4.0	5.2
SRX 8084	7.3	5.9	3.5	4.0	5.2
JSC-1	7.2	5.9	3.6	3.9	5.1
ARIZONA (PICK FA 6-91)	6.5	5.7	4.0	4.3	5.1
EQUINOX (TMI-N91)	6.8	5.3	4.0	4.2	5.1
JTTFC-96	7.3	5.8	3.0	3.9	5.0
TITAN 2	7.0	5.9	3.5	3.6	5.0
WPEZE (WVPB-1C)	7.3	4.9	3.4	4.3	5.0
JTTFA-96	6.5	5.9	3.2	4.0	4.9
BONSAI	6.6	5.4	3.3	3.8	4.8
AXIOM (ATF-192)	6.0	5.3	3.4	4.2	4.7
DLF-1	6.4	5.3	2.7	3.1	4.4
ARID	6.4	5.5	2.5	2.4	4.2
AV-1	6.0	5.0	2.1	3.0	4.0
DP 7952	5.9	4.8	2.1	3.1	4.0
KENTUCKY-31 W/ENDO.	4.6	3.3	1.2	1.0	2.5
LSD VALUE	0.6	0.7	1.1	0.8	0.4
C.V. (%)	4.9	7.7	14.8	10.6	9.1

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 13.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT A 1.6-2.0 INCH MOWING HEIGHT 1/
1999 DATA

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

NAME	CA1	CA3	IN1	WA1	MEAN	NAME	CA1	CA3	IN1	WA1	MEAN
MILLENNIUM (TMI-RBR)	6.7	6.5	6.8	6.3	6.6	PICK FA XK-95	6.5	6.0	6.4	6.0	6.2
PICK RT-95	6.9	6.5	6.6	6.0	6.5	DUSTER	6.5	6.2	6.5	5.8	6.2
MASTERPIECE (LTP-SD-TF)	7.1	6.1	6.8	6.0	6.5	MB 214	6.3	6.1	6.2	6.4	6.2
PLANTATION (PENNINGTON-1901)	6.8	6.4	6.5	6.1	6.5	RED COAT (ATF-038)	6.6	5.9	6.7	5.7	6.2
REMBRANDT (LTP-4026 E+)	6.7	6.2	6.9	6.1	6.5	ARID 3 (J-98)	6.6	5.8	6.6	5.9	6.2
SCORPIO (ZPS-2PTF)	6.8	6.4	6.6	6.0	6.5	REBEL SENTRY (AA-A91)	6.5	6.0	6.4	6.0	6.2
GAZELLE	6.8	6.2	6.9	5.8	6.4	BRAVO (RG-93)	6.6	5.7	6.5	6.0	6.2
CROSSFIRE II	7.1	6.1	6.7	5.9	6.4	ALAMO E	6.4	6.2	6.3	6.0	6.2
AZTEC II (IMI-AZ)	6.8	6.3	6.6	6.0	6.4	ARIZONA (PICK FA 6-91)	6.5	5.6	6.5	6.1	6.2
MB 26	6.7	6.2	6.5	6.2	6.4	MB 213	6.3	5.9	6.4	6.1	6.2
BAR FA 6D	6.4	6.2	6.7	6.2	6.4	BAR FA6 US2U	6.2	6.1	6.4	6.1	6.2
SHENANDOAH II (WRS2)	6.7	6.3	6.5	6.1	6.4	SOUTHERN CHOICE	6.5	6.0	6.3	5.9	6.2
PICK FA 20-92	6.6	6.1	6.5	6.3	6.4	BULLDAWG (PICK GA-96)	6.6	5.8	6.6	5.7	6.2
JAGUAR 3	6.8	6.1	6.8	5.9	6.4	RESERVE (ATF-182)	6.4	6.0	6.5	5.9	6.2
TRACER (BAR FA6 US1)	6.4	6.2	6.7	6.2	6.4	OFI-931	6.2	5.9	6.7	5.9	6.2
BARRINGTON (BAR FA6D USA)	6.6	6.0	6.7	6.1	6.3	PST-5TO	6.6	5.8	6.4	5.8	6.2
COYOTE	6.6	6.0	6.6	6.1	6.3	SHORTSTOP II	6.6	6.0	6.2	5.9	6.2
OLYMPIC GOLD (PST-5E5)	6.8	6.1	6.4	6.0	6.3	OFI-951	6.5	5.8	6.5	5.8	6.2
BARRERA (BAR FA6 US3)	6.4	6.0	6.6	6.3	6.3	SUNPRO	6.2	6.0	6.3	6.0	6.1
BANDANA (PST-R5AE)	6.9	6.2	6.4	5.8	6.3	SRX 8500	6.6	5.8	6.4	5.9	6.1
PICK FA N-93	6.6	6.1	6.6	6.0	6.3	DURANA (MB 211)	6.5	5.8	6.3	5.9	6.1
WOLFPACK (EST-R5TK)	6.6	6.4	6.5	5.8	6.3	APACHE II	6.4	6.0	6.3	5.8	6.1
BRANDY (J-101)	6.9	6.0	6.5	5.9	6.3	PRO 8430	6.4	6.0	6.4	5.6	6.1
WATCHDOG (PICK FA B-93)	6.6	6.0	6.9	5.8	6.3	TF6 (BAR FA6 US6F)	6.4	5.9	6.3	5.8	6.1
CORONADO	6.7	6.4	6.2	6.0	6.3	TOMAHAWK-E	6.5	6.0	6.2	5.8	6.1
ONCUE (PST-523)	6.8	6.1	6.6	5.7	6.3	COCHISE II	6.6	5.6	6.4	5.8	6.1
SR 8210	6.5	6.2	6.7	5.8	6.3	DOMINION (PST-5M5)	6.4	5.9	6.3	5.8	6.1
BONSAI 2000 (BULLET)	6.7	6.2	6.5	5.7	6.3	ARID II (J-3)	6.3	6.0	6.3	5.8	6.1
CORONADO GOLD (PST-5RT)	6.7	6.1	6.4	6.0	6.3	EA 41	6.5	5.6	6.3	6.0	6.1
PICK FA 15-92	6.7	5.8	6.5	6.1	6.3	ANTHEM II (TMI-FMN)	6.5	5.8	6.3	5.8	6.1
TAR HEEL	6.6	6.3	6.4	5.8	6.3	DP 50-9011	6.5	5.8	6.5	5.6	6.1
EMPRESS	6.6	5.8	6.8	5.9	6.3	PIXIE E+	6.1	5.8	6.4	6.0	6.1
MB 29	6.4	5.8	6.3	6.5	6.3	ISI-TF9	6.5	5.9	6.3	5.6	6.1
R5AU	6.6	6.3	6.5	5.7	6.3	PICK FA UT-93	6.4	5.8	6.4	5.7	6.1
OFI-96-31	6.4	6.0	6.5	6.2	6.3	TWILIGHT II (TMI-TW)	6.6	5.7	6.1	5.9	6.1
BAR FA 6LV	6.5	6.1	6.5	6.0	6.3	OFI-FWY	6.4	5.8	6.4	5.6	6.1
TULSA	6.8	6.1	6.5	5.7	6.3	MUSTANG II	6.6	5.6	6.5	5.5	6.0
FINELAWN 5LZ (ZPS-5LZ)	6.7	6.2	6.3	5.9	6.3	GENESIS	6.2	5.8	6.3	5.9	6.0
WILDFIRE (ATF-196)	6.7	6.2	6.5	5.6	6.3	FALCON II	6.3	5.7	6.3	5.9	6.0
ATF-257	6.9	6.2	6.3	5.7	6.3	AIRLIE (MB 210)	6.3	5.8	6.3	5.8	6.0
CU9501T	6.5	6.2	6.4	6.0	6.3	VELOCITY (AA-983)	6.3	5.7	6.3	5.9	6.0
WYATT (ATF-188)	6.8	6.0	6.7	5.6	6.3	MB 216	6.0	5.7	6.2	6.2	6.0
MB 212	6.6	5.9	6.5	6.0	6.3	GLEN EAGLE (EC-101)	6.4	5.8	6.3	5.7	6.0
REBEL 2000 (AA-989)	6.4	6.0	6.3	6.3	6.2	ATF-020	6.4	5.9	6.0	5.8	6.0
CU9502T	6.7	5.9	6.5	5.8	6.2	ATF-253	6.6	5.8	6.1	5.6	6.0
ARABIA (J-5)	6.4	6.0	6.6	6.0	6.2	MB 215	6.1	5.7	6.1	6.1	6.0

TABLE 13. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT A 1.6-2.0 INCH MOWING HEIGHT
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA1	CA3	IN1	WA1	MEAN
MB 28	6.1	5.6	6.0	6.2	6.0
KITTY HAWK S.S.T. (SS45DW)	6.3	5.8	6.2	5.7	6.0
EQUINOX (TMI-N91)	6.4	5.7	5.8	6.0	6.0
ISI-TF10	6.1	5.8	6.2	5.8	6.0
REGIMENT	6.4	5.5	6.4	5.5	6.0
WX3-275	6.4	5.6	6.3	5.5	6.0
CHAPEL HILL (TA-7)	6.0	5.8	6.2	5.8	6.0
ISI-TF11	6.3	5.5	6.3	5.7	5.9
RENEGADE	6.2	6.0	6.0	5.5	5.9
LEPRECHAUN	6.2	5.9	5.9	5.7	5.9
BONSAI	6.1	6.0	6.2	5.4	5.9
LION	6.2	5.9	5.9	5.7	5.9
FINELAWN PETITE	6.1	5.7	6.1	5.8	5.9
SAFARI	6.4	5.5	6.3	5.3	5.9
SRX 8084	6.5	5.7	5.7	5.6	5.9
PEDESTAL (PC-AO)	6.1	5.6	6.1	5.6	5.9
ATF-022	6.5	5.4	6.2	5.4	5.9
COMSTOCK (SSDE31)	6.0	5.5	6.1	5.8	5.9
WVPB-1B	6.1	5.6	6.2	5.5	5.8
PSII-TF-9	5.9	5.3	6.0	5.9	5.8
SHENANDOAH	5.8	5.4	6.2	5.6	5.8
OFI-96-32	6.1	5.5	5.6	5.7	5.7
MARKSMAN	5.9	5.3	5.9	5.8	5.7
AXIOM (ATF-192)	6.1	5.7	5.8	5.3	5.7
PSII-TF-10	6.1	5.2	5.7	5.9	5.7
JSC-1	5.9	5.4	5.8	5.5	5.7
JTFFA-96	6.0	5.5	6.3	5.0	5.7
HELIX (WVPB-1D)	5.9	5.3	5.8	5.7	5.6
JTFC-96	6.2	5.4	6.1	4.9	5.6
WPEZE (WVPB-1C)	5.7	5.0	5.8	5.6	5.5
GOOD-EN (KOOS 96-14)	5.7	5.1	5.4	5.7	5.5
TITAN 2	5.7	5.0	6.0	5.2	5.5
DLF-1	5.5	4.7	5.4	5.0	5.2
ARID	5.3	5.1	5.6	4.7	5.1
DP 7952	5.2	4.3	5.8	4.9	5.0
AV-1	5.3	4.8	5.0	5.0	5.0
KENTUCKY-31 W/ENDO.	3.1	4.0	2.9	3.7	3.4
LSD VALUE	0.4	0.6	0.4	0.4	0.2
C.V. (%)	4.4	6.0	3.5	4.1	4.5

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

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

TABLE 14. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT A 2.1-2.5 INCH MOWING HEIGHT 1/
1999 DATA

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

NAME	AR1	KS2	MD1	MO1	OK1	VA1	MEAN
REMBRANDT (LTP-4026 E+)	6.4	6.8	6.8	5.0	6.8	6.3	6.3
COYOTE	5.8	6.5	7.3	5.0	6.7	6.4	6.3
SHENANDOAH II (WRS2)	6.1	6.5	6.8	4.9	6.9	6.3	6.2
PLANTATION (PENNINGTON-1901)	6.2	6.8	6.8	4.9	6.6	6.2	6.2
SCORPIO (ZPS-2PTF)	6.1	6.5	7.3	5.1	6.4	6.0	6.2
MILLENNIUM (TMI-RBR)	6.1	7.0	6.8	5.0	6.6	5.9	6.2
MB 29	6.4	6.3	6.6	5.0	7.0	6.1	6.2
PICK RT-95	6.3	6.6	6.8	4.8	6.4	6.4	6.2
MASTERPIECE (LTP-SD-TF)	6.0	7.0	7.1	4.5	6.6	5.9	6.2
MB 215	5.6	6.5	6.7	4.9	6.9	6.3	6.2
MB 214	5.6	6.5	7.1	4.6	7.1	6.0	6.1
CU9502T	5.3	6.7	7.1	4.8	6.4	6.6	6.1
OLYMPIC GOLD (PST-5E5)	6.1	6.9	6.7	4.5	6.6	6.1	6.1
GENESIS	5.4	6.4	6.8	4.6	6.8	6.6	6.1
R5AU	5.8	6.6	6.7	5.1	6.5	5.8	6.1
WATCHDOG (PICK FA B-93)	6.0	6.5	6.8	4.6	6.5	6.1	6.1
DOMINION (PST-5M5)	5.5	6.6	6.9	4.7	6.5	6.2	6.1
MB 212	5.9	6.7	6.3	4.7	6.8	6.0	6.1
MB 28	5.8	6.4	6.7	4.6	7.0	5.8	6.0
TAR HEEL	5.7	6.5	6.4	4.6	6.5	6.4	6.0
MB 213	6.0	6.8	5.8	4.7	7.0	5.8	6.0
OFI-931	5.5	6.2	6.3	5.0	6.7	6.3	6.0
RESERVE (ATF-182)	5.5	6.5	6.8	4.4	6.5	6.4	6.0
CROSSFIRE II	5.8	6.8	6.2	4.8	6.6	5.8	6.0
RED COAT (ATF-038)	5.9	6.3	6.5	4.4	6.5	6.2	6.0
BAR FA 6D	5.6	6.7	6.5	4.8	6.8	5.5	6.0
ARID 3 (J-98)	5.9	6.5	6.9	4.5	6.8	5.1	5.9
MB 216	5.8	6.3	6.4	4.6	6.9	5.7	5.9
TF6 (BAR FA6 US6F)	5.4	6.4	6.3	4.9	6.7	6.0	5.9
REBEL 2000 (AA-989)	6.0	6.5	6.1	4.3	6.7	6.1	5.9
WOLFPACK (PST-R5TK)	5.1	6.7	6.8	4.3	6.6	6.1	5.9
BAR FA6 US2U	5.8	6.4	6.3	4.5	7.1	5.4	5.9
AIRLIE (MB 210)	5.0	6.8	6.6	4.7	6.7	5.7	5.9
CHAPEL HILL (TA-7)	4.9	6.3	6.7	4.9	6.6	6.1	5.9
MB 26	5.8	6.1	5.9	4.6	6.9	6.1	5.9
ONCUE (PST-523)	5.9	6.2	6.7	4.6	6.5	5.7	5.9
FINELAWN 5LZ (ZPS-5LZ)	5.9	6.1	6.1	4.5	6.9	5.9	5.9
DURANA (MB 211)	5.9	6.5	5.9	4.5	6.8	5.8	5.9
REBEL SENTRY (AA-A91)	5.3	6.4	6.6	4.7	6.6	5.8	5.9
JAGUAR 3	6.3	6.7	6.3	3.9	6.3	5.8	5.9
BAR FA 6LV	5.6	6.6	6.0	4.8	6.7	5.6	5.9
BARRERA (BAR FA6 US3)	5.3	6.3	6.6	4.8	7.0	5.3	5.9
PIXIE E+	5.0	6.3	6.8	4.5	6.4	6.3	5.9
BULLDAWG (PICK GA-96)	5.4	6.3	6.6	4.6	6.5	5.8	5.9

TABLE 14. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT A 2.1-2.5 INCH MOWING HEIGHT
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	AR1	KS2	MD1	MO1	OK1	VA1	MEAN
GAZELLE	5.5	6.4	6.0	4.7	6.5	6.1	5.9
DUSTER	5.1	6.3	6.9	4.4	6.5	5.9	5.9
FALCON II	4.8	6.6	6.9	4.3	6.5	6.1	5.9
WILDFIRE (ATF-196)	5.6	6.2	6.4	4.8	6.5	5.7	5.9
CU9501T	5.2	6.7	6.5	4.2	6.5	6.1	5.9
OFI-951	5.6	6.2	6.5	4.7	6.6	5.6	5.9
PST-5TO	5.6	6.6	6.4	4.6	6.6	5.3	5.9
TWILIGHT II (TMI-TW)	4.9	6.4	6.8	4.7	6.5	5.7	5.8
SOUTHERN CHOICE	5.4	6.3	6.5	4.2	6.6	6.0	5.8
ALAMO E	5.6	6.3	6.5	4.5	6.4	5.7	5.8
EA 41	5.4	6.4	6.0	4.8	6.7	5.7	5.8
TRACER (BAR FA6 US1)	5.8	6.4	6.0	4.8	6.9	5.1	5.8
GOOD-EN (KOOS 96-14)	4.7	6.3	7.1	4.3	6.3	6.2	5.8
LION	5.6	6.4	6.0	4.5	6.9	5.7	5.8
ATF-022	5.5	6.5	6.3	4.4	6.3	6.0	5.8
ATF-257	5.9	6.5	6.7	4.0	6.3	5.6	5.8
REGIMENT	5.1	6.2	6.5	4.6	6.4	6.2	5.8
BRANDY (J-101)	5.3	6.3	5.9	5.0	6.6	5.8	5.8
ISI-TF11	5.1	6.3	6.9	4.3	6.3	5.8	5.8
SAFARI	5.3	6.5	6.7	4.4	6.2	5.8	5.8
OFI-FWY	5.4	6.1	6.1	4.7	6.7	5.9	5.8
APACHE II	5.9	6.5	6.3	4.2	6.4	5.6	5.8
COCHISE II	5.7	6.2	6.2	4.5	6.5	5.7	5.8
VELOCITY (AA-983)	5.6	6.5	5.8	4.6	6.3	6.1	5.8
RENEGADE	4.9	6.2	6.3	4.6	6.7	6.2	5.8
BRAVO (RG-93)	4.9	6.5	6.3	4.5	6.5	6.1	5.8
MUSTANG II	5.8	6.5	6.5	4.2	6.5	5.3	5.8
OFI-96-31	5.3	6.3	5.6	4.8	6.7	6.0	5.8
BANDANA (PST-R5AE)	5.2	6.5	6.3	4.7	6.5	5.5	5.8
TOMAHAWK-E	4.8	6.3	6.7	4.5	6.5	6.0	5.8
PICK FA XK-95	5.8	6.3	5.2	4.7	6.6	6.0	5.8
EMPRESS	5.1	6.3	6.5	4.5	6.5	5.6	5.8
ISI-TF10	5.4	6.2	5.5	4.7	6.7	6.0	5.7
PICK FA 20-92	5.0	6.3	6.6	4.6	6.8	5.2	5.7
TULSA	5.2	6.4	6.3	4.4	6.5	5.7	5.7
ATF-253	4.8	6.6	6.7	4.5	6.5	5.4	5.7
PSII-TF-9	4.9	6.1	6.8	4.0	6.5	6.3	5.7
BARRINGTON (BAR FA6D USA)	4.9	6.4	5.9	4.3	7.0	5.9	5.7
ARIZONA (PICK FA 6-91)	5.4	6.3	6.1	4.9	6.5	5.2	5.7
ATF-020	5.5	6.3	6.8	3.6	6.3	5.7	5.7
WPEZE (WVPB-1C)	4.7	6.4	6.7	4.0	6.3	6.2	5.7
SHENANDOAH	5.3	6.1	6.4	4.1	6.4	6.0	5.7
SUNPRO	6.0	5.9	6.3	4.4	6.5	5.3	5.7
SR 8210	5.5	6.3	6.1	4.1	6.5	5.7	5.7
SRX 8500	5.3	6.0	6.0	4.9	6.5	5.5	5.7

TABLE 14. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT A 2.1-2.5 INCH MOWING HEIGHT
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	AR1	KS2	MD1	MO1	OK1	VA1	MEAN
ISI-TF9	5.0	6.3	6.4	4.4	6.5	5.5	5.7
PRO 8430	4.9	6.3	6.0	4.4	6.3	6.0	5.7
BONSAI 2000 (BULLET)	4.6	6.8	6.7	4.0	6.4	5.6	5.7
PICK FA N-93	4.7	6.3	6.1	5.0	6.6	5.4	5.7
AXIOM (ATF-192)	4.6	6.3	6.3	4.5	6.4	5.9	5.7
HELIX (WVPB-1D)	5.1	6.3	5.8	4.4	6.4	6.1	5.7
WYATT (ATF-188)	4.9	6.1	6.8	4.4	6.2	5.6	5.7
COMSTOCK (SSDE31)	5.0	6.2	6.1	4.3	6.3	6.1	5.7
GLEN EAGLE (EC-101)	4.9	6.5	6.0	4.3	6.5	5.8	5.7
OFI-96-32	4.8	6.3	6.2	4.2	6.4	6.1	5.6
CORONADO	5.0	6.3	5.5	4.7	6.5	6.0	5.6
WVEB-1B	4.9	6.4	6.3	4.3	6.3	5.7	5.6
MARKSMAN	5.4	6.0	5.7	4.4	6.5	5.8	5.6
FINELAWN PETITE	4.4	6.2	6.2	3.9	6.7	6.3	5.6
LEPERCHAUN	4.8	6.1	6.3	4.4	6.2	6.0	5.6
PEDESTAL (PC-AO)	4.4	6.5	5.8	4.3	6.5	6.2	5.6
CORONADO GOLD (PST-5RT)	5.5	6.3	5.5	4.6	6.5	5.4	5.6
TITAN 2	4.8	6.2	6.7	4.0	6.1	5.8	5.6
ARABIA (J-5)	5.4	6.1	5.6	4.5	6.6	5.4	5.6
ARID II (J-3)	4.9	6.5	5.8	4.1	6.5	5.6	5.6
DP 50-9011	4.7	6.3	5.8	4.6	6.5	5.6	5.6
WX3-275	5.4	6.4	5.3	4.6	6.3	5.4	5.6
AZTEC II (TMI-AZ)	4.5	6.6	5.5	4.4	6.5	5.7	5.5
ANTHEM II (TMI-FMN)	4.9	6.5	5.8	4.0	6.4	5.6	5.5
JTIFC-96	4.6	6.0	6.2	4.2	6.0	5.6	5.4
EQUINOX (TMI-N91)	4.4	6.1	5.9	4.3	6.6	5.1	5.4
PSII-TF-10	4.6	6.1	6.0	4.0	6.3	5.4	5.4
SHORTSTOP II	5.0	6.3	5.5	4.2	6.2	5.1	5.4
PICK FA 15-92	5.4	6.0	4.8	4.7	6.5	4.9	5.4
JSC-1	3.9	6.1	6.4	3.8	6.3	5.8	5.4
SRX 8084	4.5	6.3	5.5	4.1	6.3	5.4	5.4
KITTY HAWK S.S.T. (SS45DW)	4.2	6.4	5.2	4.3	6.3	5.7	5.3
PICK FA UT-93	5.1	6.2	5.2	4.4	6.4	4.8	5.3
BONSAI	4.2	6.2	5.5	4.3	6.2	5.4	5.3
DLF-1	4.1	6.3	5.5	4.1	6.0	5.5	5.3
ARID	3.9	5.5	6.5	3.5	5.7	5.6	5.1
DP 7952	3.4	5.6	6.1	4.0	5.8	5.2	5.0
JTIFA-96	4.1	4.5	6.1	3.3	5.9	5.8	5.0
AV-1	3.2	5.4	5.3	3.8	6.1	5.4	4.9
KENTUCKY-31 W/ENDO.	2.9	4.2	3.8	4.0	4.9	4.1	4.0
LSD VALUE	1.0	0.4	1.2	0.6	0.4	0.8	0.3
C.V. (%)	11.3	4.3	11.7	8.4	3.6	9.0	8.5

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 15. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT A 2.6+ INCH MOWING HEIGHT 1/
1999 DATA

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

NAME	IA1	IL1	MI1	MO3	OH1	UT1	MEAN
SCORPIO (ZPS-2PTF)	6.6	6.6	5.7	6.5	7.8	5.9	6.5
PLANTATION (PENNINGTON-1901)	6.1	6.4	6.0	6.4	7.9	6.0	6.5
PICK RT-95	6.3	6.5	6.0	6.6	7.8	5.7	6.5
REMBRANDT (LTP-4026 E+)	6.6	6.8	5.7	6.0	8.1	5.6	6.5
MILLENNIUM (TMI-RBR)	6.7	7.1	5.9	5.5	8.0	5.6	6.5
CROSSFIRE II	7.0	6.6	5.8	6.3	7.8	5.3	6.4
MASTERPIECE (LTP-SD-TF)	6.7	6.5	5.3	6.2	8.2	5.7	6.4
COYOTE	6.3	6.4	5.7	6.0	8.0	5.5	6.3
SHENANDOAH II (WRS2)	6.3	6.5	5.0	6.7	7.9	5.5	6.3
DOMINION (PST-5M5)	5.8	6.1	5.8	6.4	7.7	6.0	6.3
MB 213	6.3	6.2	5.7	6.3	7.9	5.5	6.3
REBEL SENTRY (AA-A91)	6.7	6.5	5.2	6.2	7.9	5.3	6.3
WOLFPACK (PST-R5TK)	6.9	6.2	5.5	5.8	7.4	5.7	6.3
MB 212	6.1	6.3	5.7	6.1	7.7	5.5	6.2
BRANDY (J-101)	6.8	6.2	5.6	5.9	7.9	5.0	6.2
MB 216	6.2	5.7	6.1	6.1	7.7	5.7	6.2
LION	5.8	6.2	6.2	5.5	7.6	6.2	6.2
SR 8210	6.2	5.9	5.7	6.4	7.7	5.5	6.2
WATCHDOG (PICK FA B-93)	6.6	6.4	5.7	5.3	7.7	5.5	6.2
ANTHEM II (TMI-FMN)	6.2	6.3	6.0	5.4	7.3	6.1	6.2
JAGUAR 3	6.3	6.1	5.7	6.3	7.6	5.3	6.2
PIXIE E+	6.8	6.0	6.1	5.4	7.5	5.4	6.2
MARKSMAN	6.1	6.0	6.5	5.0	7.4	6.1	6.2
ISI-TF11	6.4	6.2	6.1	5.5	7.3	5.6	6.2
TAR HEEL	6.7	6.2	5.0	5.9	7.4	5.7	6.2
SAFARI	6.3	6.3	5.4	5.7	7.5	5.8	6.2
R5AU	6.0	6.2	5.2	5.8	7.6	6.0	6.2
GENESIS	6.2	6.0	.	5.6	7.4	5.5	6.2
CORONADO GOLD (PST-5RT)	5.8	6.5	6.0	5.8	7.8	5.1	6.2
CU9502T	5.7	6.4	5.8	5.8	7.7	5.5	6.1
OLYMPIC GOLD (PST-5E5)	5.6	6.1	6.1	6.3	7.5	5.3	6.1
ISI-TF9	5.8	6.4	5.9	5.3	7.6	5.9	6.1
PICK FA XK-95	5.7	6.4	6.2	5.7	7.4	5.3	6.1
MB 215	5.5	6.0	6.1	5.6	7.9	5.7	6.1
CORONADO	6.2	6.0	5.0	5.8	7.9	6.0	6.1
DURANA (MB 211)	5.5	6.2	6.0	6.1	7.6	5.3	6.1
MB 29	5.6	6.0	5.6	6.6	7.7	5.2	6.1
CHAPEL HILL (TA-7)	6.0	6.0	6.3	5.3	7.6	5.5	6.1
SOUTHERN CHOICE	5.7	6.0	6.0	5.7	7.4	5.8	6.1
EMERESS	6.2	6.3	5.0	5.7	7.4	5.8	6.1
ARID II (J-3)	6.1	5.7	5.9	5.9	7.7	5.3	6.1
DUSTER	6.4	6.3	5.1	5.4	7.5	5.8	6.1
AZTEC II (TMI-AZ)	6.2	6.0	5.9	5.5	7.6	5.4	6.1
OFI-931	5.4	6.1	5.4	5.9	7.6	6.0	6.1

TABLE 15. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT A 2.6+ INCH MOWING HEIGHT
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF							
NAME	IA1	IL1	MI1	MO3	OH1	UT1	MEAN
ONCUE (PST-523)	6.1	6.2	5.1	5.6	7.7	5.7	6.1
ARID 3 (J-98)	5.7	6.0	4.9	6.3	7.7	5.9	6.1
BARRERA (BAR FA6 US3)	5.4	6.4	5.6	5.9	8.0	5.0	6.1
TF6 (BAR FA6 US6F)	5.4	5.7	5.4	6.1	7.8	6.0	6.1
PRO 8430	6.4	6.3	5.6	5.1	7.5	5.4	6.1
OFI-951	5.3	6.1	5.7	6.0	7.7	5.5	6.1
FINELAWN 5LZ (ZPS-5LZ)	5.6	6.1	5.1	6.3	7.8	5.5	6.1
BAR FA6 US2U	5.6	5.8	5.8	5.6	7.9	5.7	6.1
MB 28	5.8	6.0	6.0	5.8	7.6	5.2	6.0
CU9501T	6.1	6.0	5.5	5.8	7.4	5.5	6.0
PST-5TO	5.1	6.2	5.5	6.3	7.3	5.8	6.0
WYATT (ATF-188)	5.9	6.4	5.7	5.5	7.7	5.1	6.0
REGIMENT	6.8	5.8	5.1	5.7	7.4	5.5	6.0
BANDANA (PST-R5AE)	6.0	5.6	5.4	6.1	7.6	5.5	6.0
BONSAI 2000 (BULLET)	6.1	6.4	5.0	5.7	7.4	5.6	6.0
OFI-96-31	6.0	5.8	5.8	5.7	7.6	5.4	6.0
BRAVO (RG-93)	6.3	6.0	5.5	5.6	7.6	5.1	6.0
ATF-257	6.1	6.4	5.0	5.8	7.6	5.4	6.0
SUNPRO	5.9	6.1	5.2	5.5	7.6	5.7	6.0
MUSTANG II	5.8	6.2	5.5	5.8	7.5	5.3	6.0
SHENANDOAH	6.3	6.1	5.6	5.3	7.2	5.4	6.0
RENEGADE	6.4	5.8	5.2	5.7	7.6	5.3	6.0
REBEL 2000 (AA-989)	5.6	5.9	5.2	6.3	7.4	5.6	6.0
PICK FA 15-92	5.6	6.2	5.6	5.7	7.4	5.3	6.0
GAZELLE	6.3	5.8	5.1	5.8	7.9	4.9	6.0
FALCON II	6.0	6.1	5.6	5.3	7.6	5.2	6.0
PICK FA N-93	4.9	5.5	5.5	6.5	7.9	5.5	6.0
TULSA	5.8	6.2	5.6	5.6	7.3	5.2	6.0
ALAMO E	6.0	6.1	5.6	5.4	7.6	5.0	6.0
AIRLIE (MB 210)	5.5	6.0	5.8	5.4	7.4	5.6	5.9
APACHE II	6.0	6.3	4.9	5.3	7.7	5.6	5.9
RED COAT (ATF-038)	6.2	5.6	5.1	5.5	7.6	5.8	5.9
BAR FA 6LV	4.9	6.0	5.4	5.5	7.8	6.0	5.9
MB 214	5.2	6.7	4.9	5.5	8.2	5.1	5.9
BARRINGTON (BAR FA6D USA)	5.1	5.9	5.1	5.7	7.8	5.7	5.9
BAR FA 6D	5.1	6.1	5.7	5.0	7.9	5.6	5.9
WILDFIRE (ATF-196)	5.9	6.0	5.1	5.5	7.7	5.1	5.9
FINELAWN PETITE	5.7	5.9	5.7	5.3	7.4	5.5	5.9
WX3-275	5.7	6.0	5.7	5.5	7.6	4.9	5.9
SRX 8500	5.5	6.0	5.2	5.1	7.6	5.8	5.9
TWILIGHT II (TMI-TW)	5.5	5.6	5.5	5.6	7.5	5.5	5.9
OFI-FWY	5.8	5.9	4.9	5.3	7.6	5.7	5.9
GLEN EAGLE (EC-101)	5.8	5.8	5.4	5.6	7.5	5.1	5.9
EQUINOX (TMI-N91)	5.2	5.8	6.2	5.0	7.3	5.5	5.9
LEPRECHAUN	5.8	5.9	5.2	5.0	7.4	5.8	5.9

TABLE 15. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT A 2.6+ INCH MOWING HEIGHT
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF							
NAME	IA1	IL1	MI1	MO3	OH1	UT1	MEAN
TOMAHAWK-E	5.1	6.3	4.8	5.8	7.4	5.7	5.9
ATF-022	5.8	5.9	5.2	5.3	7.3	5.6	5.8
MB 26	5.4	6.0	5.0	6.2	7.8	4.8	5.8
EA 41	5.6	6.0	5.3	6.0	7.7	4.4	5.8
PICK FA 20-92	5.6	6.0	5.0	5.6	7.6	5.2	5.8
VELOCITY (AA-983)	4.8	5.6	5.7	5.9	7.7	5.2	5.8
ARABIA (J-5)	5.1	5.8	5.6	5.1	7.9	5.3	5.8
ATF-253	6.2	5.8	5.2	5.1	7.3	5.1	5.8
ARIZONA (PICK FA 6-91)	4.8	5.5	5.0	5.8	7.9	5.7	5.8
HELIX (WVPB-1D)	5.6	6.0	5.5	5.1	7.3	5.1	5.8
PEDESTAL (PC-AO)	5.2	5.8	5.5	5.5	7.6	5.2	5.8
ISI-TF10	5.3	5.6	5.8	5.3	7.3	5.4	5.8
KITTY HAWK S.S.T. (SS45DW)	5.7	6.0	5.5	5.1	7.4	4.9	5.8
PSII-TF-9	5.9	5.6	6.0	4.8	7.1	5.3	5.8
SRX 8084	5.9	5.9	5.5	4.9	7.2	5.3	5.8
WPEZE (WVPB-1C)	6.1	5.7	5.5	5.1	7.0	5.0	5.7
BONSAI	5.2	5.8	5.7	5.4	7.2	5.2	5.7
JSC-1	5.7	5.7	4.9	5.4	7.3	5.5	5.7
BULLDAWG (PICK GA-96)	5.3	6.0	4.9	5.4	7.6	5.2	5.7
SHORTSTOP II	5.6	5.5	4.9	5.5	7.7	5.1	5.7
COCHISE II	5.3	6.0	5.2	5.2	7.4	5.0	5.7
COMSTOCK (SSDE31)	5.6	5.8	5.3	5.1	7.2	5.3	5.7
OFI-96-32	5.6	5.9	5.3	4.8	7.7	4.8	5.7
TITAN 2	6.8	5.9	5.0	4.8	6.9	4.6	5.7
TRACER (BAR FA6 US1)	5.0	5.6	5.0	5.5	7.8	5.1	5.7
DP 50-9011	5.2	5.3	5.2	5.0	7.8	5.3	5.6
AXIOM (ATF-192)	5.5	5.5	5.3	4.9	7.2	5.4	5.6
RESERVE (ATF-182)	4.7	5.7	5.6	5.0	7.3	5.4	5.6
GOOD-EN (KOOS 96-14)	5.3	5.6	5.7	4.8	7.3	5.0	5.6
JTTFC-96	5.7	5.5	5.2	4.6	7.2	5.4	5.6
PSII-TF-10	5.1	5.6	5.3	5.1	7.2	5.1	5.6
ATF-020	4.8	5.6	5.1	5.5	7.3	5.2	5.6
WVPB-1B	5.2	5.7	4.9	5.4	7.3	5.0	5.6
JTTFA-96	5.4	5.4	5.3	4.9	7.1	5.2	5.6
PICK FA UT-93	4.5	5.0	4.7	5.3	7.6	5.3	5.4
DP 7952	6.2	4.9	5.4	4.3	6.7	4.8	5.4
AV-1	5.6	5.1	5.2	4.3	6.9	5.0	5.4
ARID	6.1	4.9	5.2	4.1	6.6	5.1	5.3
DLF-1	5.5	5.2	4.6	4.8	7.0	4.9	5.3
KENTUCKY-31 W/ENDO.	5.3	3.9	5.6	2.5	5.2	3.7	4.3
LSD VALUE	1.2	0.6	1.1	0.7	0.5	1.1	0.4
C.V. (%)	12.6	6.1	11.9	7.9	4.1	12.3	9.2

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 16. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 UNDER DIFFERENT IRRIGATION LEVELS 1/
 1999 DATA

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

NAME	IRRIGATION PRACTICED			
	TO PREVENT STRESS	TO PREVENT DORMANCY	SEVERE STRESS/ NO IRRIGATION	MEAN
REMBRANDT (LTP-4026 E+)	6.4	7.0	6.2	6.5
PLANTATION (PENNINGTON-1901)	6.4	7.1	6.2	6.5
MILLENNIUM (TMI-RBR)	6.4	6.7	6.3	6.5
PICK RT-95	6.3	7.2	6.3	6.4
SCORPIO (ZPS-2PTF)	6.3	7.3	6.1	6.4
MASTERPIECE (LTP-SD-TF)	6.4	7.1	5.9	6.4
CROSSFIRE II	6.3	6.7	6.1	6.3
COYOTE	6.2	7.0	6.2	6.3
SHENANDOAH II (WRS2)	6.2	7.1	5.9	6.3
MB 212	6.1	6.9	6.0	6.2
CJ9502T	6.0	7.0	6.3	6.2
JAGUAR 3	6.1	6.9	5.9	6.2
WATCHDOG (PICK FA B-93)	6.1	6.7	6.1	6.2
TAR HEEL	6.1	6.7	5.9	6.2
MB 29	6.0	7.1	5.9	6.2
OLYMPIC GOLD (PST-5E5)	6.0	7.0	6.1	6.1
DOMINION (PST-5M5)	6.0	7.0	6.0	6.1
REBEL SENTRY (AA-A91)	6.0	6.8	5.8	6.1
MB 213	6.1	6.6	5.9	6.1
WOLFPACK (PST-R5TK)	6.0	6.8	5.9	6.1
GAZELLE	6.1	6.4	5.7	6.1
ARID 3 (J-98)	6.1	6.9	5.3	6.1
BARRERA (BAR FA6 US3)	5.9	6.9	5.8	6.1
CJ9501T	6.0	6.7	5.8	6.1
R5AU	6.0	6.6	5.8	6.1
CNCUE (PST-523)	6.0	6.6	5.7	6.1
BAR FA6 US2U	6.0	6.5	5.6	6.0
BRANDY (J-101)	6.0	6.3	5.9	6.0
MB 28	5.9	6.6	5.9	6.0
FINELAWN 5LZ (ZPS-5LZ)	6.0	6.6	5.7	6.0
MB 26	6.0	6.7	5.7	6.0
DURANA (MB 211)	5.9	6.8	6.0	6.0
BAR FA 6D	6.0	6.4	5.8	6.0
OFI-931	5.9	6.7	5.9	6.0
SOUTHERN CHOICE	5.9	6.5	6.0	6.0
GENESIS	5.8	6.6	6.3	6.0
SR 8210	5.9	6.6	5.8	6.0
EMPRESS	5.9	6.6	5.7	6.0
MB 214	5.9	6.7	5.8	6.0
CORONADO	6.0	6.2	5.7	6.0
BONSAI 2000 (BULLET)	5.9	6.7	5.7	6.0
MB 216	5.9	6.6	5.8	6.0
PICK FA XK-95	5.9	6.1	6.2	6.0
MB 215	5.8	6.4	6.1	6.0
RED COAT (ATF-038)	6.0	6.4	5.6	6.0

TABLE 16. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) UNDER DIFFERENT IRRIGATION LEVELS
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IRRIGATION PRACTICED			MEAN
	TO PREVENT STRESS	TO PREVENT DORMANCY	SEVERE STRESS/ NO IRRIGATION	
PST-5TO	5.9	6.8	5.7	6.0
BRAVO (RG-93)	5.9	6.6	5.9	6.0
OFI-96-31	6.0	6.1	5.9	6.0
TF6 (BAR FA6 US6F)	5.9	6.6	5.7	6.0
SUNPRO	5.9	6.5	5.5	6.0
WYATT (ATF-188)	5.8	6.6	5.9	6.0
BARRINGTON (BAR FA6D USA)	5.9	6.5	5.6	6.0
OFI-951	5.8	6.6	5.8	5.9
WILDFIRE (ATF-196)	6.0	6.1	5.6	5.9
BAR FA 6LV	5.9	6.4	5.7	5.9
TRACER (BAR FA6 US1)	6.0	6.6	5.2	5.9
DUSTER	5.9	6.5	5.8	5.9
REBEL 2000 (AA-989)	5.9	6.5	5.7	5.9
CHAPEL HILL (TA-7)	5.8	6.5	6.1	5.9
ANTHEM II (TMI-FMN)	5.9	6.1	6.0	5.9
APACHE II	5.9	6.5	5.6	5.9
ATF-257	5.8	6.6	5.7	5.9
PICK FA N-93	5.9	6.7	5.5	5.9
BANDANA (PST-R5AE)	5.9	6.5	5.5	5.9
CORONADO GOLD (PST-5RT)	5.8	6.2	5.9	5.9
AZTEC II (TMI-AZ)	5.9	6.1	5.8	5.9
AIRLIE (MB 210)	5.8	6.5	5.8	5.9
PIXIE E+	5.8	6.3	6.1	5.9
LION	5.8	6.2	6.0	5.9
ISI-TF11	5.7	6.7	6.1	5.9
TULSA	5.8	6.4	5.8	5.9
ISI-TF9	5.8	6.5	5.9	5.9
MUSTANG II	5.8	6.5	5.7	5.9
ALAMO E	5.8	6.3	5.8	5.9
REGIMENT	5.8	6.4	5.7	5.9
ARID II (J-3)	5.8	6.3	5.7	5.9
PICK FA 20-92	5.9	6.3	5.4	5.9
FALCON II	5.7	6.4	5.9	5.9
BULLDAWG (PICK GA-96)	5.8	6.5	5.6	5.9
RESERVE (ATF-182)	5.7	6.3	5.9	5.9
SRX 8500	5.8	6.2	5.6	5.9
OFI-FWY	5.8	6.3	5.6	5.8
TWILIGHT II (TMI-TW)	5.8	6.5	5.6	5.8
EA 41	5.7	6.4	5.6	5.8
SAFARI	5.7	6.5	5.8	5.8
RENEGADE	5.7	6.4	5.7	5.8
PICK FA 15-92	5.9	5.8	5.6	5.8
ARABIA (J-5)	5.8	6.0	5.6	5.8
TOMAHAWK-E	5.7	6.5	5.7	5.8
ATF-253	5.7	6.3	5.5	5.8

TABLE 16. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) UNDER DIFFERENT IRRIGATION LEVELS
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IRRIGATION PRACTICED			
	TO PREVENT STRESS	TO PREVENT DORMANCY	SEVERE STRESS/ NO IRRIGATION	MEAN
PRO 8430	5.7	5.9	6.0	5.8
SHENANDOAH	5.6	6.4	5.9	5.8
MARKSMAN	5.7	5.8	6.1	5.8
VELOCITY (AA-983)	5.7	6.2	5.8	5.8
COCHISE II	5.7	6.1	5.7	5.7
ISI-TF10	5.7	6.1	5.8	5.7
WX3-275	5.7	6.1	5.7	5.7
ATF-022	5.7	6.1	5.7	5.7
ARIZONA (PICK FA 6-91)	5.7	6.1	5.3	5.7
FINELAWN PETITE	5.5	6.2	6.0	5.7
GLEN EAGLE (EC-101)	5.6	6.4	5.6	5.7
PEDESTAL (PC-AO)	5.5	6.4	5.8	5.7
SHORTSTOP II	5.7	6.0	5.2	5.7
LEPRECHAUN	5.6	6.0	5.7	5.7
ATF-020	5.5	6.5	5.5	5.7
PSII-TF-9	5.5	6.2	5.9	5.6
HELIX (WVPB-1D)	5.5	6.0	5.9	5.6
DP 50-9011	5.6	6.0	5.4	5.6
COMSTOCK (SSDE31)	5.5	6.2	5.7	5.6
OFI-96-32	5.5	6.1	5.8	5.6
GOOD-EN (KOOS 96-14)	5.4	6.3	5.8	5.6
EQUINOX (TMI-N91)	5.5	5.9	5.7	5.6
WVPB-1B	5.5	6.2	5.4	5.6
KITTY HAWK S.S.T. (SS45DW)	5.5	5.8	5.7	5.6
SRX 8084	5.5	5.9	5.6	5.5
WPEZE (WVPB-1C)	5.3	6.4	5.8	5.5
JSC-1	5.3	6.3	5.4	5.5
PICK FA UT-93	5.5	5.9	4.8	5.5
TITAN 2	5.3	6.1	5.6	5.5
PSII-TF-10	5.4	6.0	5.4	5.5
AXIOM (ATF-192)	5.4	5.8	5.6	5.5
BONSAI	5.3	5.8	5.6	5.4
JTTFC-96	5.3	6.0	5.4	5.4
JTTFA-96	5.1	5.8	5.5	5.3
DLF-1	5.0	5.5	5.1	5.1
ARID	4.8	5.7	5.3	5.0
DP 7952	4.8	5.4	5.2	4.9
AV-1	4.7	5.2	5.3	4.9
KENTUCKY-31 W/ENDO.	3.5	3.6	4.5	3.7
LSD VALUE	0.2	0.5	0.5	0.2
C.V. (%)	7.9	8.4	9.1	8.2

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 17.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
IRRIGATED TO PREVENT STRESS 1/
1999 DATA

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

NAME	ARI	CA1	CA3	IA1	IN1	KS2	MO1	NE1	NJ1	NJ2	OH1	OK1	UT1	WA1	MEAN
REMBRANDT (LTP-4026 E+)	6.4	6.7	6.2	6.6	6.9	6.8	5.0	7.0	6.3	5.8	8.1	6.8	5.6	6.1	6.4
MILLENNIUM (TMI-RBR)	6.1	6.7	6.5	6.7	6.8	7.0	5.0	6.6	6.8	5.3	8.0	6.6	5.6	6.3	6.4
PLANTATION (PENNINGTON-1901)	6.2	6.8	6.4	6.1	6.5	6.8	4.9	7.1	6.0	5.9	7.9	6.6	6.0	6.1	6.4
MASTERPIECE (LTP-SD-TF)	6.0	7.1	6.1	6.7	6.8	7.0	4.5	6.8	6.3	5.3	8.2	6.6	5.7	6.0	6.4
CROSSFIRE II	5.8	7.1	6.1	7.0	6.7	6.8	4.8	6.8	6.1	5.5	7.8	6.6	5.3	5.9	6.3
PICK RT-95	6.3	6.9	6.5	6.3	6.6	6.6	4.8	6.9	5.8	5.3	7.8	6.4	5.7	6.0	6.3
SCORPIO (ZES-2PTF)	6.1	6.8	6.4	6.6	6.6	6.5	5.1	6.4	6.0	5.2	7.8	6.4	5.9	6.0	6.3
SHENANDOAH II (WRS2)	6.1	6.7	6.3	6.3	6.5	6.5	4.9	6.5	5.5	5.2	7.9	6.9	5.5	6.1	6.2
COYOTE	5.8	6.6	6.0	6.3	6.6	6.5	5.0	6.3	5.8	5.2	8.0	6.7	5.5	6.1	6.2
MB 212	5.9	6.6	5.9	6.1	6.5	6.7	4.7	6.6	5.5	5.2	7.7	6.8	5.5	6.0	6.1
WATCHDOG (PICK FA B-93)	6.0	6.6	6.0	6.6	6.9	6.5	4.6	6.3	5.4	5.1	7.7	6.5	5.5	5.8	6.1
JAGUAR 3	6.3	6.8	6.1	6.3	6.8	6.7	3.9	7.1	5.2	5.3	7.6	6.3	5.3	5.9	6.1
GAZELLE	5.5	6.8	6.2	6.3	6.9	6.4	4.7	6.8	5.7	5.0	7.9	6.5	4.9	5.8	6.1
TAR HEEL	5.7	6.6	6.3	6.7	6.4	6.5	4.6	6.5	5.5	5.0	7.4	6.5	5.7	5.8	6.1
MB 213	6.0	6.3	5.9	6.3	6.4	6.8	4.7	6.0	5.3	4.6	7.9	7.0	5.5	6.1	6.1
ARID 3 (J-98)	5.9	6.6	5.8	5.7	6.6	6.5	4.5	6.7	5.6	4.8	7.7	6.8	5.9	5.9	6.1
REBEL SENTRY (AA-A91)	5.3	6.5	6.0	6.7	6.4	6.4	4.7	6.5	5.4	5.1	7.9	6.6	5.3	6.0	6.0
BAR FA6 US2U	5.8	6.2	6.1	5.6	6.4	6.4	4.5	6.6	5.6	4.4	7.9	7.1	5.7	6.1	6.0
BRANDY (J-101)	5.3	6.9	6.0	6.8	6.5	6.3	5.0	6.2	5.8	4.1	7.9	6.6	5.0	5.9	6.0
WOLFPACK (EST-R5TK)	5.1	6.6	6.4	6.9	6.5	6.7	4.3	6.5	4.6	5.1	7.4	6.6	5.7	5.8	6.0
ONCUE (PST-523)	5.9	6.8	6.1	6.1	6.6	6.2	4.6	6.7	4.6	5.1	7.7	6.5	5.7	5.7	6.0
CORONADO	5.0	6.7	6.4	6.2	6.2	6.3	4.7	6.2	5.6	4.7	7.9	6.5	6.0	6.0	6.0
MB 29	6.4	6.4	5.8	5.6	6.3	6.3	5.0	6.0	5.0	4.8	7.7	7.0	5.2	6.5	6.0
WILDFIRE (ATF-196)	5.6	6.7	6.2	5.9	6.5	6.2	4.8	6.7	5.5	4.9	7.7	6.5	5.1	5.6	6.0
R5AU	5.8	6.6	6.3	6.0	6.5	6.6	5.1	6.0	4.5	4.6	7.6	6.5	6.0	5.7	6.0
CU9502T	5.3	6.7	5.9	5.7	6.5	6.7	4.8	6.9	5.4	4.6	7.7	6.4	5.5	5.8	6.0
BAR FA 6D	5.6	6.4	6.2	5.1	6.7	6.7	4.8	6.0	5.5	4.3	7.9	6.8	5.6	6.2	6.0
OLYMPIC GOLD (PST-5E5)	6.1	6.8	6.1	5.6	6.4	6.9	4.5	6.1	4.8	5.1	7.5	6.6	5.3	6.0	6.0
FINELAWN 5LZ (ZPS-5LZ)	5.9	6.7	6.2	5.6	6.3	6.1	4.5	6.0	4.9	5.3	7.8	6.9	5.5	5.9	6.0
DOMINION (EST-5M5)	5.5	6.4	5.9	5.8	6.3	6.6	4.7	6.8	4.5	5.0	7.7	6.5	6.0	5.8	6.0
CU9501T	5.2	6.5	6.2	6.1	6.4	6.7	4.2	6.8	5.0	5.0	7.4	6.5	5.5	6.0	6.0
TRACER (BAR FA6 US1)	5.8	6.4	6.2	5.0	6.7	6.4	4.8	6.3	5.6	4.4	7.8	6.9	5.1	6.2	6.0
OFI-96-31	5.3	6.4	6.0	6.0	6.5	6.3	4.8	6.5	5.0	4.8	7.6	6.7	5.4	6.2	6.0
RED COAT (ATF-038)	5.9	6.6	5.9	6.2	6.7	6.3	4.4	6.4	4.5	5.0	7.6	6.5	5.8	5.7	6.0
MB 26	5.8	6.7	6.2	5.4	6.5	6.1	4.6	6.3	5.1	4.9	7.8	6.9	4.8	6.2	6.0
BARRERA (BAR FA6 US3)	5.3	6.4	6.0	5.4	6.6	6.3	4.8	6.3	5.1	4.7	8.0	7.0	5.0	6.3	5.9
EMPRESS	5.1	6.6	5.8	6.2	6.8	6.3	4.5	6.2	4.9	5.0	7.4	6.5	5.8	5.9	5.9
SUNPRO	6.0	6.2	6.0	5.9	6.3	5.9	4.4	6.5	5.3	4.7	7.6	6.5	5.7	6.0	5.9
BARRINGTON (BAR FA6D USA)	4.9	6.6	6.0	5.1	6.7	6.4	4.3	6.2	5.7	4.3	7.8	7.0	5.7	6.1	5.9
PICK FA XK-95	5.8	6.5	6.0	5.7	6.4	6.3	4.7	6.0	5.0	5.0	7.4	6.6	5.3	6.0	5.9
BAR FA 6LV	5.6	6.5	6.1	4.9	6.5	6.6	4.8	5.8	5.4	4.1	7.8	6.7	6.0	6.0	5.9
SR 8210	5.5	6.5	6.2	6.2	6.7	6.3	4.1	6.0	4.9	4.8	7.7	6.5	5.5	5.8	5.9
MB 28	5.8	6.1	5.6	5.8	6.0	6.4	4.6	6.1	5.4	5.0	7.6	7.0	5.2	6.2	5.9
BONSAI 2000 (BULLET)	4.6	6.7	6.2	6.1	6.5	6.8	4.0	6.0	5.7	4.9	7.4	6.4	5.6	5.7	5.9

TABLE 17. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
IRRIGATED TO PREVENT STRESS
1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF														
	AR1	CA1	CA3	IA1	IN1	KS2	MO1	NE1	NJ1	NJ2	OH1	OK1	UT1	WA1	MEAN
APACHE II	5.9	6.4	6.0	6.0	6.3	6.5	4.2	6.4	4.8	4.7	7.7	6.4	5.6	5.8	5.9
SOUTHERN CHOICE	5.4	6.5	6.0	5.7	6.3	6.3	4.2	6.6	4.8	5.1	7.4	6.6	5.8	5.9	5.9
BANDANA (PST-R5AE)	5.2	6.9	6.2	6.0	6.4	6.5	4.7	6.2	4.4	4.5	7.6	6.5	5.5	5.8	5.9
OFI-931	5.5	6.2	5.9	5.4	6.7	6.2	5.0	5.9	4.6	4.9	7.6	6.7	6.0	5.9	5.9
MB 216	5.8	6.0	5.7	6.2	6.2	6.3	4.6	6.1	4.8	4.3	7.7	6.9	5.7	6.2	5.9
AZTEC II (TMI-AZ)	4.5	6.8	6.3	6.2	6.6	6.6	4.4	6.0	5.1	4.5	7.6	6.5	5.4	6.0	5.9
TF6 (BAR FA6 US6F)	5.4	6.4	5.9	5.4	6.3	6.4	4.9	6.1	4.5	4.8	7.8	6.7	6.0	5.8	5.9
ANTHEM II (TMI-FMN)	4.9	6.5	5.8	6.2	6.3	6.5	4.0	6.4	5.4	4.9	7.3	6.4	6.1	5.8	5.9
PICK FA 20-92	5.0	6.6	6.1	5.6	6.5	6.3	4.6	6.0	4.3	5.3	7.6	6.8	5.2	6.3	5.9
MB 214	5.6	6.3	6.1	5.2	6.2	6.5	4.6	6.3	4.6	4.0	8.2	7.1	5.1	6.4	5.9
BRAVO (RG-93)	4.9	6.6	5.7	6.3	6.5	6.5	4.5	6.0	5.0	5.0	7.6	6.5	5.1	6.0	5.9
REBEL 2000 (AA-989)	6.0	6.4	6.0	5.6	6.3	6.5	4.3	6.5	4.6	4.0	7.4	6.7	5.6	6.3	5.9
DURANA (MB 211)	5.9	6.5	5.8	5.5	6.3	6.5	4.5	6.3	4.7	4.5	7.6	6.8	5.3	5.9	5.9
PST-5TO	5.6	6.6	5.8	5.1	6.4	6.6	4.6	6.0	4.7	5.1	7.3	6.6	5.8	5.8	5.9
PICK FA N-93	4.7	6.6	6.1	4.9	6.6	6.3	5.0	5.6	5.4	4.9	7.9	6.6	5.5	6.0	5.9
DUSTER	5.1	6.5	6.2	6.4	6.5	6.3	4.4	6.2	4.2	4.6	7.5	6.5	5.8	5.8	5.9
PICK FA 15-92	5.4	6.7	5.8	5.6	6.5	6.0	4.7	6.1	5.2	4.6	7.4	6.5	5.3	6.1	5.9
ATF-257	5.9	6.9	6.2	6.1	6.3	6.5	4.0	6.1	4.1	5.0	7.6	6.3	5.4	5.7	5.8
SRX 8500	5.3	6.6	5.8	5.5	6.4	6.0	4.9	6.4	4.6	4.7	7.6	6.5	5.8	5.9	5.8
CORONADO GOLD (PST-5RT)	5.5	6.7	6.1	5.8	6.4	6.3	4.6	5.7	4.8	4.7	7.8	6.5	5.1	6.0	5.8
OFI-951	5.6	6.5	5.8	5.3	6.5	6.2	4.7	6.3	4.8	4.6	7.7	6.6	5.5	5.8	5.8
MB 215	5.6	6.1	5.7	5.5	6.1	6.5	4.9	6.2	4.7	3.8	7.9	6.9	5.7	6.1	5.8
WYATT (ATF-188)	4.9	6.8	6.0	5.9	6.7	6.1	4.4	6.3	5.2	4.9	7.7	6.2	5.1	5.6	5.8
ARID II (J-3)	4.9	6.3	6.0	6.1	6.3	6.5	4.1	6.3	5.1	4.6	7.7	6.5	5.3	5.8	5.8
OFI-FWY	5.4	6.4	5.8	5.8	6.4	6.1	4.7	6.1	5.0	4.2	7.6	6.7	5.7	5.6	5.8
ALAMO E	5.6	6.4	6.2	6.0	6.3	6.3	4.5	5.6	5.0	4.7	7.6	6.4	5.0	6.0	5.8
GENESIS	5.4	6.2	5.8	6.2	6.3	6.4	4.6	6.0	5.1	3.9	7.4	6.8	5.5	5.9	5.8
REGIMENT	5.1	6.4	5.5	6.8	6.4	6.2	4.6	6.0	4.7	4.8	7.4	6.4	5.5	5.5	5.8
LION	5.6	6.2	5.9	5.8	5.9	6.4	4.5	5.9	4.4	4.5	7.6	6.9	6.2	5.7	5.8
MUSTANG II	5.8	6.6	5.6	5.8	6.5	6.5	4.2	6.2	4.4	4.8	7.5	6.5	5.3	5.5	5.8
ARABIA (J-5)	5.4	6.4	6.0	5.1	6.6	6.1	4.5	5.7	5.1	4.4	7.9	6.6	5.3	6.0	5.8
AIRLIE (MB 210)	5.0	6.3	5.8	5.5	6.3	6.8	4.7	6.2	4.5	4.6	7.4	6.7	5.6	5.8	5.8
TULSA	5.2	6.8	6.1	5.8	6.5	6.4	4.4	6.2	4.2	5.0	7.3	6.5	5.2	5.7	5.8
PIXIE E+	5.0	6.1	5.8	6.8	6.4	6.3	4.5	6.0	4.2	4.4	7.5	6.4	5.4	6.0	5.8
BULLDAWG (PICK GA-96)	5.4	6.6	5.8	5.3	6.6	6.3	4.6	5.9	4.4	4.9	7.6	6.5	5.2	5.7	5.8
CHAPEL HILL (TA-7)	4.9	6.0	5.8	6.0	6.2	6.3	4.9	6.3	4.5	4.3	7.6	6.6	5.5	5.8	5.8
TWILIGHT II (TMI-TW)	4.9	6.6	5.7	5.5	6.1	6.4	4.7	5.8	5.1	4.5	7.5	6.5	5.5	5.9	5.8
ISI-TF9	5.0	6.5	5.9	5.8	6.3	6.3	4.4	6.1	4.5	4.2	7.6	6.5	5.9	5.6	5.8
RESERVE (ATF-182)	5.5	6.4	6.0	4.7	6.5	6.5	4.4	6.4	4.4	4.7	7.3	6.5	5.4	5.9	5.7
ATF-253	4.8	6.6	5.8	6.2	6.1	6.6	4.5	5.7	4.8	4.9	7.3	6.5	5.1	5.6	5.7
EA 41	5.4	6.5	5.6	5.6	6.3	6.4	4.8	5.3	4.8	4.8	7.7	6.7	4.4	6.0	5.7
FALCON II	4.8	6.3	5.7	6.0	6.3	6.6	4.3	6.4	4.3	4.4	7.6	6.5	5.2	5.9	5.7
ARIZONA (PICK FA 6-91)	5.4	6.5	5.6	4.8	6.5	6.3	4.9	5.7	4.0	4.3	7.9	6.5	5.7	6.1	5.7
SHORTSTOP II	5.0	6.6	6.0	5.6	6.2	6.3	4.2	6.4	4.6	4.5	7.7	6.2	5.1	5.9	5.7
PRO 8430	4.9	6.4	6.0	6.4	6.4	6.3	4.4	6.2	4.0	4.0	7.5	6.3	5.4	5.6	5.7

TABLE 17. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
IRRIGATED TO PREVENT STRESS
1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF														
	AR1	CA1	CA3	IA1	IN1	KS2	MO1	NE1	NJ1	NJ2	OH1	OK1	UT1	WA1	MEAN
RENEGADE	4.9	6.2	6.0	6.4	6.0	6.2	4.6	6.2	3.9	4.3	7.6	6.7	5.3	5.5	5.7
MARKSMAN	5.4	5.9	5.3	6.1	5.9	6.0	4.4	6.4	4.1	4.4	7.4	6.5	6.1	5.8	5.7
COCHISE II	5.7	6.6	5.6	5.3	6.4	6.2	4.5	5.9	4.4	4.3	7.4	6.5	5.0	5.8	5.7
ISI-TF11	5.1	6.3	5.5	6.4	6.3	6.3	4.3	5.7	4.3	4.6	7.3	6.3	5.6	5.7	5.7
WX3-275	5.4	6.4	5.6	5.7	6.3	6.4	4.6	5.4	5.3	4.1	7.6	6.3	4.9	5.5	5.7
ATF-022	5.5	6.5	5.4	5.8	6.2	6.5	4.4	6.3	3.9	4.3	7.3	6.3	5.6	5.4	5.7
TOMAHAWK-E	4.8	6.5	6.0	5.1	6.2	6.3	4.5	6.2	4.6	3.8	7.4	6.5	5.7	5.8	5.7
SAFARI	5.3	6.4	5.5	6.3	6.3	6.5	4.4	6.0	3.9	3.8	7.5	6.2	5.8	5.3	5.7
ISI-TF10	5.4	6.1	5.8	5.3	6.2	6.2	4.7	5.4	4.9	4.1	7.3	6.7	5.4	5.8	5.7
VELOCITY (AA-983)	5.6	6.3	5.7	4.8	6.3	6.5	4.6	6.5	3.8	4.0	7.7	6.3	5.2	5.9	5.7
SHENANDOAH	5.3	5.8	5.4	6.3	6.2	6.1	4.1	6.5	4.1	4.1	7.2	6.4	5.4	5.6	5.6
DP 50-9011	4.7	6.5	5.8	5.2	6.5	6.3	4.6	5.9	3.8	3.9	7.8	6.5	5.3	5.6	5.6
GLEN EAGLE (EC-101)	4.9	6.4	5.8	5.8	6.3	6.5	4.3	5.2	3.9	4.5	7.5	6.5	5.1	5.7	5.6
LEPRECHAUN	4.8	6.2	5.9	5.8	5.9	6.1	4.4	5.8	3.9	4.2	7.4	6.2	5.8	5.7	5.6
FINELAWN PETITE	4.4	6.1	5.7	5.7	6.1	6.2	3.9	5.5	4.6	4.2	7.4	6.7	5.5	5.8	5.5
PICK FA UT-93	5.1	6.4	5.8	4.5	6.4	6.2	4.4	5.8	4.0	4.2	7.6	6.4	5.3	5.7	5.5
PEDESTAL (FC-AO)	4.4	6.1	5.6	5.2	6.1	6.5	4.3	6.5	3.8	4.0	7.6	6.5	5.2	5.6	5.5
ATF-020	5.5	6.4	5.9	4.8	6.0	6.3	3.6	6.0	3.9	4.3	7.3	6.3	5.2	5.8	5.5
HELIX (WVPB-1D)	5.1	5.9	5.3	5.6	5.8	6.3	4.4	5.8	4.0	4.6	7.3	6.4	5.1	5.7	5.5
EQUINOX (TMI-N91)	4.4	6.4	5.7	5.2	5.8	6.1	4.3	5.3	4.0	4.2	7.3	6.6	5.5	6.0	5.5
COMSTOCK (SSDE31)	5.0	6.0	5.5	5.6	6.1	6.2	4.3	5.1	4.3	4.2	7.2	6.3	5.3	5.8	5.5
KITTY HAWK S.S.T. (SS45DW)	4.2	6.3	5.8	5.7	6.2	6.4	4.3	5.7	3.8	4.0	7.4	6.3	4.9	5.7	5.5
OFI-96-32	4.8	6.1	5.5	5.6	5.6	6.3	4.2	5.5	3.9	4.5	7.7	6.4	4.8	5.7	5.5
PSII-TF-9	4.9	5.9	5.3	5.9	6.0	6.1	4.0	5.6	3.7	4.5	7.1	6.5	5.3	5.9	5.5
WVPB-1B	4.9	6.1	5.6	5.2	6.2	6.4	4.3	5.6	4.0	4.3	7.3	6.3	5.0	5.5	5.5
SRX 8084	4.5	6.5	5.7	5.9	5.7	6.3	4.1	5.9	3.5	4.0	7.2	6.3	5.3	5.6	5.5
AXIOM (ATF-192)	4.6	6.1	5.7	5.5	5.8	6.3	4.5	5.3	3.4	4.2	7.2	6.4	5.4	5.3	5.4
GOOD-EN (KOOS 96-14)	4.7	5.7	5.1	5.3	5.4	6.3	4.3	5.2	4.5	4.7	7.3	6.3	5.0	5.7	5.4
PSII-TF-10	4.6	6.1	5.2	5.1	5.7	6.1	4.0	5.7	4.2	4.1	7.2	6.3	5.1	5.9	5.4
JSC-1	3.9	5.9	5.4	5.7	5.8	6.1	3.8	5.9	3.6	3.9	7.3	6.3	5.5	5.5	5.3
BONSAI	4.2	6.1	6.0	5.2	6.2	6.2	4.3	5.4	3.3	3.8	7.2	6.2	5.2	5.4	5.3
TITAN 2	4.8	5.7	5.0	6.8	6.0	6.2	4.0	5.9	3.5	3.6	6.9	6.1	4.6	5.2	5.3
JTTFC-96	4.6	6.2	5.4	5.7	6.1	6.0	4.2	5.8	3.0	3.9	7.2	6.0	5.4	4.9	5.3
WPEZE (WVPB-1C)	4.7	5.7	5.0	6.1	5.8	6.4	4.0	4.9	3.4	4.3	7.0	6.3	5.0	5.6	5.3
JTTFA-96	4.1	6.0	5.5	5.4	6.3	4.5	3.3	5.9	3.2	4.0	7.1	5.9	5.2	5.0	5.1
DLF-1	4.1	5.5	4.7	5.5	5.4	6.3	4.1	5.3	2.7	3.1	7.0	6.0	4.9	5.0	5.0
ARID	3.9	5.3	5.1	6.1	5.6	5.5	3.5	5.5	2.5	2.4	6.6	5.7	5.1	4.7	4.8
DP 7952	3.4	5.2	4.3	6.2	5.8	5.6	4.0	4.8	2.1	3.1	6.7	5.8	4.8	4.9	4.8
AV-1	3.2	5.3	4.8	5.6	5.0	5.4	3.8	5.0	2.1	3.0	6.9	6.1	5.0	5.0	4.7
KENTUCKY-31 W/ENDO.	2.9	3.1	4.0	5.3	2.9	4.2	4.0	3.3	1.2	1.0	5.2	4.9	3.7	3.7	3.5
LSD VALUE	1.0	0.4	0.6	1.2	0.4	0.4	0.6	0.7	1.1	0.8	0.5	0.4	1.1	0.4	0.2
C.V. (%)	11.3	4.4	6.0	12.6	3.5	4.3	8.4	7.7	14.8	10.6	4.1	3.6	12.3	4.1	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 18.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
IRRIGATED TO PREVENT DORMANCY 1/
1999 DATA

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

NAME	KY1	MD1	MO3	MEAN	NAME	KY1	MD1	MO3	MEAN
SCORPIO (ZPS-2PTF)	8.0	7.3	6.5	7.3	BULLDAWG (PICK GA-96)	7.6	6.6	5.4	6.5
PICK RT-95	8.3	6.8	6.6	7.2	CHAPEL HILL (TA-7)	7.7	6.7	5.3	6.5
MASTERPIECE (LTP-SD-TF)	8.0	7.1	6.2	7.1	SAFARI	7.3	6.7	5.7	6.5
MB 29	8.1	6.6	6.6	7.1	BAR FA6 US2U	7.7	6.3	5.6	6.5
SHENANDOAH II (WRS2)	7.7	6.8	6.7	7.1	AIRLIE (MB 210)	7.5	6.6	5.4	6.5
PLANTATION (PENNINGTON-1901)	7.9	6.8	6.4	7.1	SUNPRO	7.8	6.3	5.5	6.5
CU9502T	8.3	7.1	5.8	7.0	TOMAHAWK-E	7.1	6.7	5.8	6.5
REMBRANDT (LTP-4026 E+)	8.3	6.8	6.0	7.0	REBEL 2000 (AA-989)	7.2	6.1	6.3	6.5
DOMINION (PST-5M5)	7.8	6.9	6.4	7.0	BANDANA (PST-R5AE)	7.1	6.3	6.1	6.5
COYOIE	7.7	7.3	6.0	7.0	MUSTANG II	7.2	6.5	5.8	6.5
OLYMPIC GOLD (PST-5E5)	8.0	6.7	6.3	7.0	ISI-TF9	7.8	6.4	5.3	6.5
ARID 3 (J-98)	7.5	6.9	6.3	6.9	DUSTER	7.1	6.9	5.4	6.5
BARRERA (BAR FA6 US3)	8.3	6.6	5.9	6.9	ATF-020	7.1	6.8	5.5	6.5
JAGUAR 3	8.0	6.3	6.3	6.9	TWILIGHT II (TMI-TW)	7.0	6.8	5.6	6.5
MB 212	8.2	6.3	6.1	6.9	APACHE II	7.9	6.3	5.3	6.5
PST-5TO	7.6	6.4	6.3	6.8	BARRINGTON (BAR FA6D USA)	7.8	5.9	5.7	6.5
REBEL SENTRY (AA-A91)	7.6	6.6	6.2	6.8	SOUTHERN CHOICE	7.2	6.5	5.7	6.5
WOLFFACK (PST-R5TK)	7.7	6.8	5.8	6.8	MB 215	7.1	6.7	5.6	6.4
DURANA (MB 211)	8.2	5.9	6.1	6.8	GAZELLE	7.5	6.0	5.8	6.4
MILLENNIUM (TMI-RBR)	7.9	6.8	5.5	6.7	BAR FA 6D	7.8	6.5	5.0	6.4
CROSSFIRE II	7.7	6.2	6.3	6.7	REGIMENT	7.1	6.5	5.7	6.4
MB 214	7.6	7.1	5.5	6.7	RED COAT (ATF-038)	7.3	6.5	5.5	6.4
PICK FA N-93	7.6	6.1	6.5	6.7	SHENANDOAH	7.5	6.4	5.3	6.4
TAR HEEL	7.8	6.4	5.9	6.7	EA 41	7.1	6.0	6.0	6.4
CU9501T	7.8	6.5	5.8	6.7	BAR FA 6LV	7.7	6.0	5.5	6.4
BONSAI 2000 (BULLET)	7.7	6.7	5.7	6.7	TULSA	7.2	6.3	5.6	6.4
MB 26	7.9	5.9	6.2	6.7	FALCON II	6.9	6.9	5.3	6.4
OFI-931	7.8	6.3	5.9	6.7	RENEGADE	7.2	6.3	5.7	6.4
ISI-TF11	7.6	6.9	5.5	6.7	GLEN EAGLE (EC-101)	7.5	6.0	5.6	6.4
WATCHDOG (PICK FA B-93)	7.8	6.8	5.3	6.7	PEDESTAL (PC-AO)	7.8	5.8	5.5	6.4
MB 213	7.9	5.8	6.3	6.6	WPEZE (WVPB-1C)	7.3	6.7	5.1	6.4
MB 28	7.5	6.7	5.8	6.6	PICK FA 20-92	6.8	6.6	5.6	6.3
R5AU	7.4	6.7	5.8	6.6	RESERVE (ATF-182)	7.2	6.8	5.0	6.3
GENESIS	7.5	6.8	5.6	6.6	BRANDY (J-101)	7.2	5.9	5.9	6.3
SR 8210	7.4	6.1	6.4	6.6	JSC-1	7.2	6.4	5.4	6.3
WYATT (ATF-188)	7.5	6.8	5.5	6.6	ATF-253	7.1	6.7	5.1	6.3
TF6 (BAR FA6 US6F)	7.5	6.3	6.1	6.6	GOOD-EN (KOOS 96-14)	7.0	7.1	4.8	6.3
OFI-951	7.3	6.5	6.0	6.6	OFI-FWY	7.5	6.1	5.3	6.3
ONCUE (PST-523)	7.5	6.7	5.6	6.6	PIXIE E+	6.7	6.8	5.4	6.3
ATF-257	7.3	6.7	5.8	6.6	ALAMO E	6.9	6.5	5.4	6.3
MB 216	7.2	6.4	6.1	6.6	ARID II (J-3)	7.0	5.8	5.9	6.3
BRAVO (RG-93)	7.8	6.3	5.6	6.6	FINELAWN PETITE	7.3	6.2	5.3	6.2
TRACER (BAR FA6 US1)	8.2	6.0	5.5	6.6	VELOCITY (AA-983)	7.0	5.8	5.9	6.2
EMPRESS	7.5	6.5	5.7	6.6	CORONADO	7.4	5.5	5.8	6.2
FINELAWN 5LZ (ZPS-5LZ)	7.3	6.1	6.3	6.6	CORONADO GOLD (PST-5RT)	7.4	5.5	5.8	6.2

TABLE 18. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IRRIGATED TO PREVENT DORMANCY
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF				
NAME	KYL	MD1	MO3	MEAN
LION	7.2	6.0	5.5	6.2
WVPB-1B	6.9	6.3	5.4	6.2
PSII-TF-9	7.0	6.8	4.8	6.2
SRX 8500	7.5	6.0	5.1	6.2
COMSTOCK (SSDE31)	7.3	6.1	5.1	6.2
ANTHEM II (TMI-FMN)	7.3	5.8	5.4	6.1
OFI-96-31	7.1	5.6	5.7	6.1
ARIZONA (PICK FA 6-91)	6.5	6.1	5.8	6.1
AZTEC II (TMI-AZ)	7.4	5.5	5.5	6.1
TITAN 2	7.0	6.7	4.8	6.1
ATF-022	6.8	6.3	5.3	6.1
ISI-TF10	7.5	5.5	5.3	6.1
WILDFIRE (ATF-196)	6.3	6.4	5.5	6.1
WX3-275	7.5	5.3	5.5	6.1
COCHISE II	6.8	6.2	5.2	6.1
OFI-96-32	7.2	6.2	4.8	6.1
PICK FA XK-95	7.3	5.2	5.7	6.1
LEPRECHAUN	6.8	6.3	5.0	6.0
DP 50-9011	7.3	5.8	5.0	6.0
JTTFC-96	7.3	6.2	4.6	6.0
ARABIA (J-5)	7.3	5.6	5.1	6.0
PSII-TF-10	6.9	6.0	5.1	6.0
HELIX (WVPB-1D)	7.1	5.8	5.1	6.0
SHORTSTOP II	6.9	5.5	5.5	6.0
EQUINOX (TMI-N91)	6.8	5.9	5.0	5.9
PRO 8430	6.7	6.0	5.1	5.9
PICK FA UT-93	7.2	5.2	5.3	5.9
SRX 8084	7.3	5.5	4.9	5.9
BONSAI	6.6	5.5	5.4	5.8
JTTFA-96	6.5	6.1	4.9	5.8
KITTY HAWK S.S.T. (SS45DW)	7.1	5.2	5.1	5.8
MARKSMAN	6.7	5.7	5.0	5.8
PICK FA 15-92	6.8	4.8	5.7	5.8
AXIOM (ATF-192)	6.0	6.3	4.9	5.8
ARID	6.4	6.5	4.1	5.7
DLF-1	6.4	5.5	4.8	5.5
DP 7952	5.9	6.1	4.3	5.4
AV-1	6.0	5.3	4.3	5.2
KENTUCKY-31 W/ENDO.	4.6	3.8	2.5	3.6
LSD VALUE	0.6	1.2	0.7	0.5
C.V. (%)	4.9	11.7	7.9	8.4

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 19.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
NOT IRRIGATED OR ONLY DURING SEVERE STRESS 1/
1999 DATA

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

NAME	IL1	MI1	VA1	MEAN	NAME	IL1	MI1	VA1	MEAN
GENESIS	6.0	.	6.6	6.3	AZTEC II (TMI-AZ)	6.0	5.9	5.7	5.8
PICK RT-95	6.5	6.0	6.4	6.3	TULSA	6.2	5.6	5.7	5.8
CU9502T	6.4	5.8	6.6	6.3	PEDESTAL (PC-AO)	5.8	5.5	6.2	5.8
MILLENNIUM (TMI-RBR)	7.1	5.9	5.9	6.3	REBEL SENTRY (AA-A91)	6.5	5.2	5.8	5.8
REMBRANDT (LTP-4026 E+)	6.8	5.7	6.3	6.2	CU9501T	6.0	5.5	6.1	5.8
PICK FA XK-95	6.4	6.2	6.0	6.2	MB 214	6.7	4.9	6.0	5.8
PLANTATION (PENNINGTON-1901)	6.4	6.0	6.2	6.2	MB 216	5.7	6.1	5.7	5.8
COYOIE	6.4	5.7	6.4	6.2	GOOD-EN (KOOS 96-14)	5.6	5.7	6.2	5.8
MB 215	6.0	6.1	6.3	6.1	WPEZE (WVPB-1C)	5.7	5.5	6.2	5.8
CHAPEL HILL (TA-7)	6.0	6.3	6.1	6.1	SAFARI	6.3	5.4	5.8	5.8
PIXIE E+	6.0	6.1	6.3	6.1	AIRLIE (MB 210)	6.0	5.8	5.7	5.8
SCORPIO (ZPS-2PTF)	6.6	5.7	6.0	6.1	ALAMO E	6.1	5.6	5.7	5.8
MARKSMAN	6.0	6.5	5.8	6.1	OFI-951	6.1	5.7	5.6	5.8
OLYMPIC GOLD (PST-5E5)	6.1	6.1	6.1	6.1	DUSTER	6.3	5.1	5.9	5.8
WATCHDOG (PICK FA B-93)	6.4	5.7	6.1	6.1	ISI-TF10	5.6	5.8	6.0	5.8
CROSSFIRE II	6.6	5.8	5.8	6.1	VELOCITY (AA-983)	5.6	5.7	6.1	5.8
ISI-TF11	6.2	6.1	5.8	6.1	BARRERA (BAR FA6 US3)	6.4	5.6	5.3	5.8
DOMINION (PST-5M5)	6.1	5.8	6.2	6.0	OFI-96-32	5.9	5.3	6.1	5.8
LION	6.2	6.2	5.7	6.0	SR 8210	5.9	5.7	5.7	5.8
SOUTHERN CHOICE	6.0	6.0	6.0	6.0	BAR FA 6D	6.1	5.7	5.5	5.8
DURANA (MB 211)	6.2	6.0	5.8	6.0	R5AU	6.2	5.2	5.8	5.8
MB 212	6.3	5.7	6.0	6.0	KITTY HAWK S.S.T. (SS45DW)	6.0	5.5	5.7	5.7
ANTHEM II (TMI-FMN)	6.3	6.0	5.6	6.0	ARID II (J-3)	5.7	5.9	5.6	5.7
PRO 8430	6.3	5.6	6.0	6.0	RENEGADE	5.8	5.2	6.2	5.7
FINELAWN PETITE	5.9	5.7	6.3	6.0	COMSTOCK (SSDE31)	5.8	5.3	6.1	5.7
CORONADO GOLD (PST-5RT)	6.5	6.0	5.4	5.9	TF6 (BAR FA6 US6F)	5.7	5.4	6.0	5.7
SHENANDOAH II (WRS2)	6.5	5.0	6.3	5.9	FINELAWN 5LZ (ZPS-5LZ)	6.1	5.1	5.9	5.7
MB 28	6.0	6.0	5.8	5.9	REBEL 2000 (AA-989)	5.9	5.2	6.1	5.7
FALCON II	6.1	5.6	6.1	5.9	EQUINOX (TMI-N91)	5.8	6.2	5.1	5.7
PSII-TF-9	5.6	6.0	6.3	5.9	PST-5TO	6.2	5.5	5.3	5.7
ISI-TF9	6.4	5.9	5.5	5.9	ONCUE (PST-523)	6.2	5.1	5.7	5.7
OFI-931	6.1	5.4	6.3	5.9	BAR FA 6LV	6.0	5.4	5.6	5.7
WOLFPACK (PST-R5TK)	6.2	5.5	6.1	5.9	ATF-022	5.9	5.2	6.0	5.7
MASTERPIECE (LTP-SD-TF)	6.5	5.3	5.9	5.9	LEPRECHAUN	5.9	5.2	6.0	5.7
MB 213	6.2	5.7	5.8	5.9	TOMAHAWK-E	6.3	4.8	6.0	5.7
SHENANDOAH	6.1	5.6	6.0	5.9	WX3-275	6.0	5.7	5.4	5.7
TAR HEEL	6.2	5.0	6.4	5.9	BONSAI 2000 (BULLET)	6.4	5.0	5.6	5.7
MB 29	6.0	5.6	6.1	5.9	REGIMENT	5.8	5.1	6.2	5.7
RESERVE (ATF-182)	5.7	5.6	6.4	5.9	MB 26	6.0	5.0	6.1	5.7
WYATT (ATF-188)	6.4	5.7	5.6	5.9	ATF-257	6.4	5.0	5.6	5.7
BRAVO (RG-93)	6.0	5.5	6.1	5.9	EMPRESS	6.3	5.0	5.6	5.7
BRANDY (J-101)	6.2	5.6	5.8	5.9	COCHISE II	6.0	5.2	5.7	5.7
OFI-96-31	5.8	5.8	6.0	5.9	CORONADO	6.0	5.0	6.0	5.7
HELIX (WVPB-1D)	6.0	5.5	6.1	5.9	GAZELLE	5.8	5.1	6.1	5.7
JAGUAR 3	6.1	5.7	5.8	5.9	MUSTANG II	6.2	5.5	5.3	5.7

TABLE 19. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) NOT IRRIGATED OR ONLY DURING SEVERE STRESS
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF				
NAME	IL1	MI1	VA1	MEAN
GLEN EAGLE (EC-101)	5.8	5.4	5.8	5.6
BAR FA6 US2U	5.8	5.8	5.4	5.6
BARRINGTON (BAR FA6D USA)	5.9	5.1	5.9	5.6
EA 41	6.0	5.3	5.7	5.6
RED COAT (ATF-038)	5.6	5.1	6.2	5.6
BONSAI	5.8	5.7	5.4	5.6
TWILIGHT II (TMI-TW)	5.6	5.5	5.7	5.6
WILDFIRE (ATF-196)	6.0	5.1	5.7	5.6
TITAN 2	5.9	5.0	5.8	5.6
APACHE II	6.3	4.9	5.6	5.6
SRX 8084	5.9	5.5	5.4	5.6
AXIOM (ATF-192)	5.5	5.3	5.9	5.6
PICK FA 15-92	6.2	5.6	4.9	5.6
BULLDAWG (PICK GA-96)	6.0	4.9	5.8	5.6
ARABIA (J-5)	5.8	5.6	5.4	5.6
OPI-FWY	5.9	4.9	5.9	5.6
SRX 8500	6.0	5.2	5.5	5.6
SUNPRO	6.1	5.2	5.3	5.5
JTTFA-96	5.4	5.3	5.8	5.5
ATF-253	5.8	5.2	5.4	5.5
BANDANA (PST-R5AE)	5.6	5.4	5.5	5.5
ATF-020	5.6	5.1	5.7	5.5
PICK FA N-93	5.5	5.5	5.4	5.5
JSC-1	5.7	4.9	5.8	5.4
PSII-TF-10	5.6	5.3	5.4	5.4
JTTFC-96	5.5	5.2	5.6	5.4
WVPB-1B	5.7	4.9	5.7	5.4
DP 50-9011	5.3	5.2	5.6	5.4
PICK FA 20-92	6.0	5.0	5.2	5.4
ARID 3 (J-98)	6.0	4.9	5.1	5.3
ARID	4.9	5.2	5.6	5.3
ARIZONA (PICK FA 6-91)	5.5	5.0	5.2	5.3
AV-1	5.1	5.2	5.4	5.3
TRACER (BAR FA6 US1)	5.6	5.0	5.1	5.2
DP 7952	4.9	5.4	5.2	5.2
SHORTSTOP II	5.5	4.9	5.1	5.2
DLF-1	5.2	4.6	5.5	5.1
PICK FA UT-93	5.0	4.7	4.8	4.8
KENTUCKY-31 W/ENDO.	3.9	5.6	4.1	4.5
LSD VALUE	0.6	1.1	0.8	0.5
C.V. (%)	6.1	11.9	9.0	9.1

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 20. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
IN DIFFERENT CLIMATIC ZONES 1/
1999 DATA

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

NAME	TRANSITION			MEAN
	ZONE	COOL-HUMID	COOL-ARID	
REMBRANDT (LTP-4026 E+)	6.7	6.6	6.2	6.5
MILLENNIUM (TMI-RBR)	6.5	6.6	6.3	6.5
PICK RT-95	6.7	6.4	6.3	6.5
PLANTATION (PENNINGTON-1901)	6.6	6.5	6.4	6.5
MASTERPIECE (LTP-SD-TF)	6.6	6.4	6.2	6.5
SCORPIO (ZPS-2PTF)	6.6	6.3	6.3	6.4
COYOTE	6.5	6.3	6.1	6.3
CROSSFIRE II	6.3	6.4	6.1	6.3
SHENANDOAH II (WRS2)	6.6	6.1	6.2	6.3
JAGUAR 3	6.4	6.2	6.0	6.3
MB 212	6.4	6.2	6.0	6.3
WATCHDOG (PICK FA B-93)	6.3	6.3	6.0	6.2
OLYMPIC GOLD (PST-5E5)	6.5	6.0	6.1	6.2
DOMINION (PST-5M5)	6.4	6.0	6.0	6.2
TAR HEEL	6.4	6.0	6.1	6.2
WOLFPACK (PST-R5TK)	6.4	6.0	6.1	6.2
CU9502T	6.3	6.1	6.0	6.2
REBEL SENTRY (AA-A91)	6.3	6.2	5.9	6.2
MB 29	6.5	5.9	6.0	6.2
GAZELLE	6.2	6.1	5.9	6.2
MB 213	6.3	6.0	6.0	6.1
ONCUE (PST-523)	6.3	6.0	6.1	6.1
R5AU	6.3	5.8	6.2	6.1
CU9501T	6.2	6.0	6.0	6.1
ARID 3 (J-98)	6.3	5.9	6.0	6.1
BRANDY (J-101)	6.1	6.1	6.0	6.1
DURANA (MB 211)	6.3	5.9	5.9	6.1
BONSAI 2000 (BULLET)	6.1	6.0	6.1	6.1
BRAVO (RG-93)	6.2	6.0	5.9	6.1
OFI-931	6.3	5.8	6.0	6.0
CORONADO	6.0	5.9	6.3	6.0
ATF-257	6.2	5.8	6.0	6.0
BAR FA 6D	6.1	5.9	6.1	6.0
SOUTHERN CHOICE	6.1	6.0	6.0	6.0
BAR FA 6LV	6.2	5.8	6.1	6.0
WYATT (ATF-188)	6.1	6.0	5.9	6.0
MB 28	6.2	5.9	5.8	6.0
MB 215	6.3	5.8	5.9	6.0
ANTHEM II (TMI-FMN)	6.0	6.0	6.0	6.0
GENESIS	6.3	5.8	5.8	6.0
BARRERA (BAR FA6 US3)	6.1	5.9	5.9	6.0
MB 26	6.1	5.9	6.0	6.0
SR 8210	6.0	6.0	6.0	6.0
EMPRESS	6.1	5.9	6.0	6.0
PST-5TO	6.2	5.8	6.0	6.0

TABLE 20. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN DIFFERENT CLIMATIC ZONES
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	TRANSITION			MEAN
	ZONE	COOL-HUMID	COOL-ARID	
RED COAT (ATF-038)	6.1	5.8	6.0	6.0
MUSTANG II	6.2	5.9	5.8	6.0
MB 214	6.2	5.8	5.9	6.0
MB 216	6.1	5.9	5.9	6.0
BAR FA6 US2U	6.0	6.0	6.0	6.0
REBEL 2000 (AA-989)	6.2	5.7	6.1	6.0
BARRINGTON (BAR FA6D USA)	6.0	5.9	6.1	6.0
CHAPEL HILL (TA-7)	6.1	5.9	5.8	6.0
WILDFIRE (ATF-196)	6.0	6.0	5.9	6.0
AIRLIE (MB 210)	6.2	5.8	5.9	6.0
FINELAWN 5LZ (ZPS-5LZ)	6.1	5.8	6.1	6.0
APACHE II	6.1	5.9	5.9	6.0
RESERVE (ATF-182)	6.3	5.7	5.9	6.0
OFI-96-31	6.0	6.0	6.0	6.0
PIXIE E+	6.1	5.9	5.8	6.0
BANDANA (PST-R5AE)	6.1	5.7	6.1	6.0
AZTEC II (TMI-AZ)	6.0	5.9	6.1	6.0
TF6 (BAR FA6 US6F)	6.1	5.8	6.0	6.0
TRACER (BAR FA6 US1)	6.1	5.8	6.0	6.0
CORONADO GOLD (PST-5RT)	6.0	5.9	6.0	6.0
PICK FA XK-95	6.0	5.9	6.0	5.9
OFI-951	6.1	5.8	5.9	5.9
TULSA	6.1	5.8	5.9	5.9
ISI-TF11	6.1	5.8	5.8	5.9
ISI-TF9	6.0	5.8	6.0	5.9
SUNPRO	5.9	6.0	6.0	5.9
DUSTER	6.0	5.8	6.0	5.9
PICK FA N-93	6.0	5.7	6.1	5.9
LION	6.0	5.8	6.0	5.9
PICK FA 20-92	5.9	5.8	6.0	5.9
REGIMENT	6.0	5.8	5.7	5.9
ARID II (J-3)	5.9	5.9	5.8	5.9
ALAMO E	6.0	5.7	5.9	5.9
TWILIGHT II (TMI-TW)	6.1	5.6	5.9	5.9
PRO 8430	6.0	5.8	5.9	5.9
SRX 8500	5.9	5.8	6.0	5.9
BULLDAWG (PICK GA-96)	6.0	5.7	5.8	5.9
ATF-253	6.0	5.7	5.7	5.9
SAFARI	6.1	5.7	5.7	5.9
OFI-FWY	6.0	5.7	5.9	5.8
FALCON II	5.9	5.8	5.8	5.8
SHENANDOAH	6.0	5.7	5.6	5.8
WX3-275	6.0	5.8	5.6	5.8
RENEGADE	6.0	5.7	5.7	5.8
VELOCITY (AA-983)	6.1	5.6	5.7	5.8

TABLE 20. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN DIFFERENT CLIMATIC ZONES
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	TRANSITION			MEAN
	ZONE	COOL-HUMID	COOL-ARID	
TOMAHAWK-E	6.0	5.6	6.0	5.8
MARKSMAN	5.8	5.8	5.8	5.8
EA 41	5.9	5.7	5.6	5.8
COCHISE II	6.0	5.6	5.8	5.8
ATF-022	5.9	5.6	5.7	5.8
ISI-TF10	5.9	5.6	5.8	5.8
ARABIA (J-5)	5.8	5.7	5.9	5.8
PICK FA 15-92	5.7	5.8	6.0	5.8
FINELAWN PETITE	5.9	5.6	5.7	5.7
ARIZONA (PICK FA 6-91)	5.9	5.5	6.0	5.7
GLEN EAGLE (EC-101)	5.9	5.5	5.7	5.7
ATF-020	5.9	5.4	5.8	5.7
PEDESTAL (PC-AO)	5.9	5.5	5.6	5.7
DP 50-9011	5.8	5.5	5.8	5.7
LEPRECHAUN	5.8	5.5	5.9	5.7
COMSTOCK (SSDE31)	5.8	5.5	5.6	5.7
OFI-96-32	5.9	5.5	5.5	5.7
PSII-TF-9	5.8	5.5	5.6	5.7
HELIX (WVPB-1D)	5.8	5.5	5.5	5.6
EQUINOX (TMI-N91)	5.7	5.5	5.9	5.6
WVPB-1B	5.9	5.4	5.5	5.6
SHORTSTOP II	5.6	5.5	5.9	5.6
KITTY HAWK S.S.T. (SS45DW)	5.7	5.5	5.7	5.6
GOOD-EN (KOOS 96-14)	5.8	5.4	5.4	5.6
SRX 8084	5.7	5.4	5.8	5.6
WPEZE (WVPB-1C)	5.8	5.3	5.3	5.6
TITAN 2	5.8	5.4	5.1	5.5
AXIOM (ATF-192)	5.7	5.2	5.6	5.5
PSII-TF-10	5.6	5.4	5.6	5.5
JSC-1	5.6	5.3	5.6	5.5
JTTFC-96	5.7	5.2	5.4	5.5
PICK FA UT-93	5.5	5.3	5.8	5.5
BONSAI	5.5	5.3	5.7	5.5
JTTFA-96	5.3	5.2	5.4	5.3
DLF-1	5.4	4.8	5.0	5.1
ARID	5.3	4.8	5.0	5.1
DP 7952	5.0	4.9	4.8	4.9
AV-1	5.0	4.7	5.0	4.9
KENTUCKY-31 W/ENDO.	4.1	3.5	3.6	3.8
LSD VALUE	0.2	0.3	0.3	0.2
C.V. (%)	8.0	8.8	7.1	8.2

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 21.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT ELEVEN LOCATIONS IN THE TRANSITION ZONE 1/
1999 DATA

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

NAME	AR1	GA1	IL2	KS2	KY1	MD1	MO1	MO3	OK1	VA1	VA4	MEAN
PICK RT-95	6.3	6.8	8.0	6.6	8.3	6.8	4.8	6.6	6.4	6.4	6.5	6.7
REMBRANDT (LTP-4026 E+)	6.4	6.7	8.0	6.8	8.3	6.8	5.0	6.0	6.8	6.3	6.2	6.7
SCORPIO (ZPS-2PTF)	6.1	6.7	8.0	6.5	8.0	7.3	5.1	6.5	6.4	6.0	6.3	6.6
MASTERPIECE (LTP-SD-IF)	6.0	7.0	7.9	7.0	8.0	7.1	4.5	6.2	6.6	5.9	6.4	6.6
PLANTATION (PENNINGTON-1901)	6.2	7.3	7.1	6.8	7.9	6.8	4.9	6.4	6.6	6.2	6.1	6.6
SHENANDOAH II (WRS2)	6.1	6.3	7.7	6.5	7.7	6.8	4.9	6.7	6.9	6.3	6.4	6.6
MILLENNIUM (TMI-RBR)	6.1	6.8	8.1	7.0	7.9	6.8	5.0	5.5	6.6	5.9	6.3	6.5
COYOTE	5.8	6.1	7.8	6.5	7.7	7.3	5.0	6.0	6.7	6.4	6.3	6.5
OLYMPIC GOLD (PST-5E5)	6.1	6.6	7.2	6.9	8.0	6.7	4.5	6.3	6.6	6.1	6.2	6.5
MB 29	6.4	6.0	6.9	6.3	8.1	6.6	5.0	6.6	7.0	6.1	6.2	6.5
MB 212	5.9	6.3	7.5	6.7	8.2	6.3	4.7	6.1	6.8	6.0	6.3	6.4
DOMINION (PST-5M5)	5.5	6.3	7.4	6.6	7.8	6.9	4.7	6.4	6.5	6.2	6.3	6.4
JAGUAR 3	6.3	7.1	7.3	6.7	8.0	6.3	3.9	6.3	6.3	5.8	6.4	6.4
TAR HEEL	5.7	6.7	7.1	6.5	7.8	6.4	4.6	5.9	6.5	6.4	6.3	6.4
WOLFPACK (PST-R5TK)	5.1	7.0	7.4	6.7	7.7	6.8	4.3	5.8	6.6	6.1	6.3	6.4
CROSSFIRE II	5.8	6.4	7.2	6.8	7.7	6.2	4.8	6.3	6.6	5.8	6.2	6.3
R5AU	5.8	6.7	7.2	6.6	7.4	6.7	5.1	5.8	6.5	5.8	6.1	6.3
CU9502T	5.3	6.1	6.5	6.7	8.3	7.1	4.8	5.8	6.4	6.6	6.2	6.3
MB 213	6.0	6.1	6.8	6.8	7.9	5.8	4.7	6.3	7.0	5.8	6.2	6.3
REBEL SENTRY (AA-A91)	5.3	6.8	7.0	6.4	7.6	6.6	4.7	6.2	6.6	5.8	6.3	6.3
DURANA (MB 211)	5.9	5.9	7.4	6.5	8.2	5.9	4.5	6.1	6.8	5.8	6.2	6.3
MB 215	5.6	6.4	6.6	6.5	7.1	6.7	4.9	5.6	6.9	6.3	6.3	6.3
ONCUE (PST-523)	5.9	6.7	7.3	6.2	7.5	6.7	4.6	5.6	6.5	5.7	6.3	6.3
GENESIS	5.4	6.4	6.6	6.4	7.5	6.8	4.6	5.6	6.8	6.6	6.2	6.3
WATCHDOG (PICK FA B-93)	6.0	5.8	7.1	6.5	7.8	6.8	4.6	5.3	6.5	6.1	6.3	6.3
ARID 3 (J-98)	5.9	6.5	6.5	6.5	7.5	6.9	4.5	6.3	6.8	5.1	6.2	6.3
RESERVE (ATF-182)	5.5	7.0	7.4	6.5	7.2	6.8	4.4	5.0	6.5	6.4	6.2	6.3
OFI-931	5.5	6.3	6.5	6.2	7.8	6.3	5.0	5.9	6.7	6.3	6.2	6.3
GAZELLE	5.5	5.8	7.9	6.4	7.5	6.0	4.7	5.8	6.5	6.1	6.4	6.2
ATF-257	5.9	6.6	7.6	6.5	7.3	6.7	4.0	5.8	6.3	5.6	6.3	6.2
MB 214	5.6	5.7	6.6	6.5	7.6	7.1	4.6	5.5	7.1	6.0	6.2	6.2
PST-5TO	5.6	6.2	6.7	6.6	7.6	6.4	4.6	6.3	6.6	5.3	6.3	6.2
MUSTANG II	5.8	6.6	7.7	6.5	7.2	6.5	4.2	5.8	6.5	5.3	6.2	6.2
CU9501T	5.2	6.1	7.3	6.7	7.8	6.5	4.2	5.8	6.5	6.1	6.1	6.2
REBEL 2000 (AA-989)	6.0	6.5	6.3	6.5	7.2	6.1	4.3	6.3	6.7	6.1	6.3	6.2
BRAVO (RG-93)	4.9	6.6	6.9	6.5	7.8	6.3	4.5	5.6	6.5	6.1	6.4	6.2
MB 28	5.8	6.0	6.6	6.4	7.5	6.7	4.6	5.8	7.0	5.8	6.1	6.2
BAR FA 6LV	5.6	6.6	6.7	6.6	7.7	6.0	4.8	5.5	6.7	5.6	6.2	6.2
AIRLIE (MB 210)	5.0	5.8	7.3	6.8	7.5	6.6	4.7	5.4	6.7	5.7	6.3	6.2
RED COAT (ATF-038)	5.9	6.1	6.7	6.3	7.3	6.5	4.4	5.5	6.5	6.2	6.2	6.1
BANDANA (PST-R5AE)	5.2	6.0	7.4	6.5	7.1	6.3	4.7	6.1	6.5	5.5	6.3	6.1
BRANDY (J-101)	5.3	6.1	7.2	6.3	7.2	5.9	5.0	5.9	6.6	5.8	6.3	6.1
MB 26	5.8	5.4	6.3	6.1	7.9	5.9	4.6	6.2	6.9	6.1	6.2	6.1
CHAPEL HILL (TA-7)	4.9	6.4	6.5	6.3	7.7	6.7	4.9	5.3	6.6	6.1	6.2	6.1

TABLE 21.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT ELEVEN LOCATIONS IN THE TRANSITION ZONE
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF												
NAME	AR1	GA1	IL2	KS2	KY1	MD1	MO1	MO3	OK1	VA1	VA4	MEAN
MB 216	5.8	6.2	6.3	6.3	7.2	6.4	4.6	6.1	6.9	5.7	6.1	6.1
BAR FA 6D	5.6	6.3	6.3	6.7	7.8	6.5	4.8	5.0	6.8	5.5	6.3	6.1
FINELAWN 5LZ (ZPS-5LZ)	5.9	5.4	6.8	6.1	7.3	6.1	4.5	6.3	6.9	5.9	6.2	6.1
TRACER (BAR FA6 US1)	5.8	5.6	6.9	6.4	8.2	6.0	4.8	5.5	6.9	5.1	6.2	6.1
ISI-TF11	5.1	6.0	7.1	6.3	7.6	6.9	4.3	5.5	6.3	5.8	6.2	6.1
BONSAI 2000 (BULLET)	4.6	6.7	7.0	6.8	7.7	6.7	4.0	5.7	6.4	5.6	6.2	6.1
TF6 (BAR FA6 US6F)	5.4	5.6	6.0	6.4	7.5	6.3	4.9	6.1	6.7	6.0	6.3	6.1
BARRERA (BAR FA6 US3)	5.3	4.9	6.7	6.3	8.3	6.6	4.8	5.9	7.0	5.3	6.1	6.1
TWILIGHT II (TMI-TW)	4.9	6.1	7.0	6.4	7.0	6.8	4.7	5.6	6.5	5.7	6.2	6.1
APACHE II	5.9	6.4	6.3	6.5	7.9	6.3	4.2	5.3	6.4	5.6	6.3	6.1
WYATT (ATF-188)	4.9	6.4	7.3	6.1	7.5	6.8	4.4	5.5	6.2	5.6	6.2	6.1
EMPRESS	5.1	5.9	6.9	6.3	7.5	6.5	4.5	5.7	6.5	5.6	6.3	6.1
OFI-951	5.6	5.6	6.4	6.2	7.3	6.5	4.7	6.0	6.6	5.6	6.4	6.1
SOUTHERN CHOICE	5.4	6.1	6.5	6.3	7.2	6.5	4.2	5.7	6.6	6.0	6.2	6.1
PIXIE E+	5.0	6.0	7.1	6.3	6.7	6.8	4.5	5.4	6.4	6.3	6.3	6.1
SAFARI	5.3	6.3	6.3	6.5	7.3	6.7	4.4	5.7	6.2	5.8	6.3	6.1
VELOCITY (AA-983)	5.6	5.9	6.8	6.5	7.0	5.8	4.6	5.9	6.3	6.1	6.1	6.1
TULSA	5.2	6.3	6.8	6.4	7.2	6.3	4.4	5.6	6.5	5.7	6.2	6.1
REGIMENT	5.1	5.8	6.7	6.2	7.1	6.5	4.6	5.7	6.4	6.2	6.3	6.0
CORONADO	5.0	6.5	6.7	6.3	7.4	5.5	4.7	5.8	6.5	6.0	6.2	6.0
BARRINGTON (BAR FA6D USA)	4.9	6.2	6.2	6.4	7.8	5.9	4.3	5.7	7.0	5.9	6.2	6.0
SR 8210	5.5	5.8	6.1	6.3	7.4	6.1	4.1	6.4	6.5	5.7	6.4	6.0
ISI-TF9	5.0	5.8	7.2	6.3	7.8	6.4	4.4	5.3	6.5	5.5	6.3	6.0
BULLDAWG (PICK GA-96)	5.4	5.7	6.1	6.3	7.6	6.6	4.6	5.4	6.5	5.8	6.3	6.0
SHENANDOAH	5.3	6.5	6.3	6.1	7.5	6.4	4.1	5.3	6.4	6.0	6.3	6.0
WILDFIRE (ATF-196)	5.6	5.9	7.1	6.2	6.3	6.4	4.8	5.5	6.5	5.7	6.2	6.0
PICK FA N-93	4.7	5.3	6.9	6.3	7.6	6.1	5.0	6.5	6.6	5.4	6.0	6.0
ATF-253	4.8	6.3	7.1	6.6	7.1	6.7	4.5	5.1	6.5	5.4	6.1	6.0
ALAMO E	5.6	6.5	6.4	6.3	6.9	6.5	4.5	5.4	6.4	5.7	6.1	6.0
LION	5.6	5.6	6.7	6.4	7.2	6.0	4.5	5.5	6.9	5.7	6.3	6.0
CORONADO GOLD (PST-5RT)	5.5	6.9	6.0	6.3	7.4	5.5	4.6	5.8	6.5	5.4	6.2	6.0
BAR FA6 US2U	5.8	5.1	5.8	6.4	7.7	6.3	4.5	5.6	7.1	5.4	6.2	6.0
RENEGADE	4.9	6.0	6.0	6.2	7.2	6.3	4.6	5.7	6.7	6.2	6.3	6.0
COCHISE II	5.7	6.4	6.5	6.2	6.8	6.2	4.5	5.2	6.5	5.7	6.1	6.0
PRO 8430	4.9	6.5	7.2	6.3	6.7	6.0	4.4	5.1	6.3	6.0	6.3	6.0
DUSTER	5.1	5.6	6.2	6.3	7.1	6.9	4.4	5.4	6.5	5.9	6.2	6.0
ANTHEM II (TMI-FMN)	4.9	6.4	7.3	6.5	7.3	5.8	4.0	5.4	6.4	5.6	6.3	6.0
TOMAHAWK-E	4.8	5.8	6.1	6.3	7.1	6.7	4.5	5.8	6.5	6.0	6.2	6.0
PICK FA XK-95	5.8	5.8	6.2	6.3	7.3	5.2	4.7	5.7	6.6	6.0	6.1	6.0
OFI-96-31	5.3	5.7	6.2	6.3	7.1	5.6	4.8	5.7	6.7	6.0	6.1	6.0
WX3-275	5.4	6.3	6.9	6.4	7.5	5.3	4.6	5.5	6.3	5.4	6.2	6.0
OFI-FWY	5.4	5.7	5.8	6.1	7.5	6.1	4.7	5.3	6.7	5.9	6.4	6.0
AZTEC II (TMI-AZ)	4.5	6.4	6.7	6.6	7.4	5.5	4.4	5.5	6.5	5.7	6.3	6.0
PICK FA 20-92	5.0	5.9	6.5	6.3	6.8	6.6	4.6	5.6	6.8	5.2	6.1	5.9
ISI-TF10	5.4	6.0	5.9	6.2	7.5	5.5	4.7	5.3	6.7	6.0	6.2	5.9

TABLE 21.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT ELEVEN LOCATIONS IN THE TRANSITION ZONE
1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF											
	AR1	CA1	IL2	KS2	KY1	MD1	MO1	MO3	OK1	VA1	VA4	MEAN
ATF-020	5.5	5.8	6.7	6.3	7.1	6.8	3.6	5.5	6.3	5.7	5.9	5.9
EA 41	5.4	5.3	5.9	6.4	7.1	6.0	4.8	6.0	6.7	5.7	6.0	5.9
FALCON II	4.8	6.1	5.7	6.6	6.9	6.9	4.3	5.3	6.5	6.1	6.1	5.9
ATF-022	5.5	6.0	6.4	6.5	6.8	6.3	4.4	5.3	6.3	6.0	5.9	5.9
GLEN EAGLE (EC-101)	4.9	5.9	6.0	6.5	7.5	6.0	4.3	5.6	6.5	5.8	6.1	5.9
ARID II (J-3)	4.9	6.0	6.3	6.5	7.0	5.8	4.1	5.9	6.5	5.6	6.3	5.9
SUNPRO	6.0	5.7	5.7	5.9	7.8	6.3	4.4	5.5	6.5	5.3	5.9	5.9
PEDESTAL (PC-AO)	4.4	5.6	6.0	6.5	7.8	5.8	4.3	5.5	6.5	6.2	6.2	5.9
FINELAWN PETITE	4.4	6.5	5.9	6.2	7.3	6.2	3.9	5.3	6.7	6.3	6.1	5.9
SRX 8500	5.3	5.4	6.2	6.0	7.5	6.0	4.9	5.1	6.5	5.5	6.3	5.9
OFI-96-32	4.8	6.3	6.2	6.3	7.2	6.2	4.2	4.8	6.4	6.1	6.1	5.9
WVPB-1B	4.9	6.1	6.0	6.4	6.9	6.3	4.3	5.4	6.3	5.7	6.1	5.9
ARIZONA (PICK FA 6-91)	5.4	5.3	6.4	6.3	6.5	6.1	4.9	5.8	6.5	5.2	6.0	5.9
HELIX (WVPB-1D)	5.1	6.3	5.7	6.3	7.1	5.8	4.4	5.1	6.4	6.1	6.1	5.8
COMSTOCK (SSDE31)	5.0	6.0	5.7	6.2	7.3	6.1	4.3	5.1	6.3	6.1	6.2	5.8
PSII-TF-9	4.9	5.8	6.1	6.1	7.0	6.8	4.0	4.8	6.5	6.3	6.1	5.8
DP 50-9011	4.7	6.3	5.7	6.3	7.3	5.8	4.6	5.0	6.5	5.6	6.3	5.8
WPEZE (WVPB-1C)	4.7	5.7	5.6	6.4	7.3	6.7	4.0	5.1	6.3	6.2	6.1	5.8
GOOD-EN (KOOS 96-14)	4.7	5.2	5.9	6.3	7.0	7.1	4.3	4.8	6.3	6.2	6.1	5.8
MARKSMAN	5.4	5.8	6.4	6.0	6.7	5.7	4.4	5.0	6.5	5.8	6.1	5.8
TITAN 2	4.8	6.1	6.0	6.2	7.0	6.7	4.0	4.8	6.1	5.8	6.2	5.8
LEPRECHAUN	4.8	6.2	5.5	6.1	6.8	6.3	4.4	5.0	6.2	6.0	6.1	5.8
ARABIA (J-5)	5.4	5.1	5.8	6.1	7.3	5.6	4.5	5.1	6.6	5.4	6.3	5.8
AXIOM (ATF-192)	4.6	5.7	6.2	6.3	6.0	6.3	4.5	4.9	6.4	5.9	6.2	5.7
PICK FA 15-92	5.4	5.5	6.2	6.0	6.8	4.8	4.7	5.7	6.5	4.9	6.1	5.7
JTTFC-96	4.6	6.3	5.7	6.0	7.3	6.2	4.2	4.6	6.0	5.6	6.1	5.7
SRX 8084	4.5	5.9	6.1	6.3	7.3	5.5	4.1	4.9	6.3	5.4	6.1	5.7
EQUINOX (TMI-N91)	4.4	6.2	5.7	6.1	6.8	5.9	4.3	5.0	6.6	5.1	6.2	5.7
KITTY HAWK S.S.T. (SS45DW)	4.2	5.9	6.0	6.4	7.1	5.2	4.3	5.1	6.3	5.7	6.1	5.7
PSII-TF-10	4.6	5.5	5.9	6.1	6.9	6.0	4.0	5.1	6.3	5.4	6.1	5.6
JSC-1	3.9	5.6	5.1	6.1	7.2	6.4	3.8	5.4	6.3	5.8	6.0	5.6
SHORTSTOP II	5.0	4.8	5.6	6.3	6.9	5.5	4.2	5.5	6.2	5.1	6.1	5.6
BONSAI	4.2	5.5	5.7	6.2	6.6	5.5	4.3	5.4	6.2	5.4	5.8	5.5
PICK FA UT-93	5.1	4.8	5.3	6.2	7.2	5.2	4.4	5.3	6.4	4.8	5.8	5.5
DLF-1	4.1	5.8	5.1	6.3	6.4	5.5	4.1	4.8	6.0	5.5	6.0	5.4
JTTF-96	4.1	5.9	5.5	4.5	6.5	6.1	3.3	4.9	5.9	5.8	6.1	5.3
ARID	3.9	6.1	5.2	5.5	6.4	6.5	3.5	4.1	5.7	5.6	5.9	5.3
DP 7952	3.4	4.9	4.6	5.6	5.9	6.1	4.0	4.3	5.8	5.2	5.7	5.0
AV-1	3.2	4.9	4.4	5.4	6.0	5.3	3.8	4.3	6.1	5.4	5.9	5.0
KENTUCKY-31 W/ENDO.	2.9	5.7	3.3	4.2	4.6	3.8	4.0	2.5	4.9	4.1	4.8	4.1
LSD VALUE	1.0	1.1	1.0	0.4	0.6	1.2	0.6	0.7	0.4	0.8	0.3	0.2
C.V. (%)	11.3	10.3	9.8	4.3	4.9	11.7	8.4	7.9	3.6	9.0	3.2	8.0

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 22. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT NINE LOCATIONS IN THE COOL-HUMID ZONE 1/
1999 DATA

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

NAME	IAI	IL1	IN1	ME1	MI1	NE1	NJ1	NJ2	OH1	MEAN
MILLENNIUM (TMI-RBR)	6.7	7.1	6.8	6.1	5.9	6.6	6.8	5.3	8.0	6.6
REMBRANDT (LTP-4026 E+)	6.6	6.8	6.9	6.0	5.7	7.0	6.3	5.8	8.1	6.6
PLANTATION (PENNINGTON-1901)	6.1	6.4	6.5	6.1	6.0	7.1	6.0	5.9	7.9	6.5
CROSSFIRE II	7.0	6.6	6.7	5.8	5.8	6.8	6.1	5.5	7.8	6.4
PICK RT-95	6.3	6.5	6.6	6.4	6.0	6.9	5.8	5.3	7.8	6.4
MASTERPIECE (LTP-SD-TF)	6.7	6.5	6.8	5.6	5.3	6.8	6.3	5.3	8.2	6.4
SCORPIO (ZPS-2PTF)	6.6	6.6	6.6	5.7	5.7	6.4	6.0	5.2	7.8	6.3
COYOTE	6.3	6.4	6.6	6.2	5.7	6.3	5.8	5.2	8.0	6.3
WATCHDOG (PICK FA B-93)	6.6	6.4	6.9	6.2	5.7	6.3	5.4	5.1	7.7	6.3
JAGUAR 3	6.3	6.1	6.8	6.2	5.7	7.1	5.2	5.3	7.6	6.2
MB 212	6.1	6.3	6.5	5.9	5.7	6.6	5.5	5.2	7.7	6.2
REBEL SENTRY (AA-A91)	6.7	6.5	6.4	5.8	5.2	6.5	5.4	5.1	7.9	6.2
GAZELLE	6.3	5.8	6.9	6.0	5.1	6.8	5.7	5.0	7.9	6.1
SHENANDOAH II (WRS2)	6.3	6.5	6.5	5.7	5.0	6.5	5.5	5.2	7.9	6.1
CU9502T	5.7	6.4	6.5	6.1	5.8	6.9	5.4	4.6	7.7	6.1
BRANDY (J-101)	6.8	6.2	6.5	5.5	5.6	6.2	5.8	4.1	7.9	6.1
ANTHEM II (TMI-FMN)	6.2	6.3	6.3	5.6	6.0	6.4	5.4	4.9	7.3	6.0
WYATT (ATF-188)	5.9	6.4	6.7	5.7	5.7	6.3	5.2	4.9	7.7	6.0
WOLFPACK (PST-R5TK)	6.9	6.2	6.5	5.6	5.5	6.5	4.6	5.1	7.4	6.0
TAR HEEL	6.7	6.2	6.4	5.5	5.0	6.5	5.5	5.0	7.4	6.0
MB 213	6.3	6.2	6.4	5.8	5.7	6.0	5.3	4.6	7.9	6.0
CU9501T	6.1	6.0	6.4	5.9	5.5	6.8	5.0	5.0	7.4	6.0
DOMINION (PST-5M5)	5.8	6.1	6.3	6.0	5.8	6.8	4.5	5.0	7.7	6.0
BAR FA6 US2U	5.6	5.8	6.4	6.0	5.8	6.6	5.6	4.4	7.9	6.0
SOUTHERN CHOICE	5.7	6.0	6.3	5.9	6.0	6.6	4.8	5.1	7.4	6.0
BONSAI 2000 (BULLET)	6.1	6.4	6.5	5.8	5.0	6.0	5.7	4.9	7.4	6.0
SR 8210	6.2	5.9	6.7	6.0	5.7	6.0	4.9	4.8	7.7	6.0
WILDFIRE (ATF-196)	5.9	6.0	6.5	5.4	5.1	6.7	5.5	4.9	7.7	6.0
OLYMPIC GOLD (PST-5E5)	5.6	6.1	6.4	6.1	6.1	6.1	4.8	5.1	7.5	6.0
ONCUE (PST-523)	6.1	6.2	6.6	5.5	5.1	6.7	4.6	5.1	7.7	6.0
BRAVO (RG-93)	6.3	6.0	6.5	5.9	5.5	6.0	5.0	5.0	7.6	6.0
OFI-96-31	6.0	5.8	6.5	5.8	5.8	6.5	5.0	4.8	7.6	6.0
SUNPRO	5.9	6.1	6.3	5.9	5.2	6.5	5.3	4.7	7.6	6.0
ARID 3 (J-98)	5.7	6.0	6.6	5.8	4.9	6.7	5.6	4.8	7.7	5.9
BARRERA (BAR FA6 US3)	5.4	6.4	6.6	5.3	5.6	6.3	5.1	4.7	8.0	5.9
CORONADO	6.2	6.0	6.2	5.8	5.0	6.2	5.6	4.7	7.9	5.9
ARID II (J-3)	6.1	5.7	6.3	5.7	5.9	6.3	5.1	4.6	7.7	5.9
MB 28	5.8	6.0	6.0	5.6	6.0	6.1	5.4	5.0	7.6	5.9
EMPRESS	6.2	6.3	6.8	5.4	5.0	6.2	4.9	5.0	7.4	5.9
PICK FA XK-95	5.7	6.4	6.4	5.1	6.2	6.0	5.0	5.0	7.4	5.9
DURANA (MB 211)	5.5	6.2	6.3	6.0	6.0	6.3	4.7	4.5	7.6	5.9
PIXIE E+	6.8	6.0	6.4	5.7	6.1	6.0	4.2	4.4	7.5	5.9
CORONADO GOLD (PST-5RT)	5.8	6.5	6.4	5.5	6.0	5.7	4.8	4.7	7.8	5.9
AZTEC II (TMI-AZ)	6.2	6.0	6.6	5.3	5.9	6.0	5.1	4.5	7.6	5.9

TABLE 22.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT NINE LOCATIONS IN THE COOL-HUMID ZONE
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IAI	IL1	IN1	ME1	MI1	NE1	NJ1	NJ2	OH1	MEAN
CHAPEL HILL (TA-7)	6.0	6.0	6.2	6.0	6.3	6.3	4.5	4.3	7.6	5.9
MB 216	6.2	5.7	6.2	5.9	6.1	6.1	4.8	4.3	7.7	5.9
MB 26	5.4	6.0	6.5	6.0	5.0	6.3	5.1	4.9	7.8	5.9
BARRINGTON (BAR FA6D USA)	5.1	5.9	6.7	6.1	5.1	6.2	5.7	4.3	7.8	5.9
MB 29	5.6	6.0	6.3	5.8	5.6	6.0	5.0	4.8	7.7	5.9
APACHE II	6.0	6.3	6.3	5.9	4.9	6.4	4.8	4.7	7.7	5.9
BAR FA 6D	5.1	6.1	6.7	5.6	5.7	6.0	5.5	4.3	7.9	5.9
MUSTANG II	5.8	6.2	6.5	5.9	5.5	6.2	4.4	4.8	7.5	5.9
MARKSMAN	6.1	6.0	5.9	5.8	6.5	6.4	4.1	4.4	7.4	5.8
PICK FA 20-92	5.6	6.0	6.5	6.2	5.0	6.0	4.3	5.3	7.6	5.8
RED COAT (ATF-038)	6.2	5.6	6.7	5.6	5.1	6.4	4.5	5.0	7.6	5.8
REGIMENT	6.8	5.8	6.4	5.4	5.1	6.0	4.7	4.8	7.4	5.8
R5AU	6.0	6.2	6.5	5.8	5.2	6.0	4.5	4.6	7.6	5.8
DUSTER	6.4	6.3	6.5	5.4	5.1	6.2	4.2	4.6	7.5	5.8
TULSA	5.8	6.2	6.5	5.5	5.6	6.2	4.2	5.0	7.3	5.8
OFI-931	5.4	6.1	6.7	5.7	5.4	5.9	4.6	4.9	7.6	5.8
ISI-TF11	6.4	6.2	6.3	5.4	6.1	5.7	4.3	4.6	7.3	5.8
OFI-951	5.3	6.1	6.5	5.3	5.7	6.3	4.8	4.6	7.7	5.8
ATF-257	6.1	6.4	6.3	5.7	5.0	6.1	4.1	5.0	7.6	5.8
AIRLIE (MB 210)	5.5	6.0	6.3	6.0	5.8	6.2	4.5	4.6	7.4	5.8
SRX 8500	5.5	6.0	6.4	5.9	5.2	6.4	4.6	4.7	7.6	5.8
ISI-TF9	5.8	6.4	6.3	5.4	5.9	6.1	4.5	4.2	7.6	5.8
BAR FA 6LV	4.9	6.0	6.5	6.1	5.4	5.8	5.4	4.1	7.8	5.8
LION	5.8	6.2	5.9	5.5	6.2	5.9	4.4	4.5	7.6	5.8
FALCON II	6.0	6.1	6.3	5.2	5.6	6.4	4.3	4.4	7.6	5.8
MB 215	5.5	6.0	6.1	5.6	6.1	6.2	4.7	3.8	7.9	5.8
WX3-275	5.7	6.0	6.3	5.8	5.7	5.4	5.3	4.1	7.6	5.8
PICK FA 15-92	5.6	6.2	6.5	4.8	5.6	6.1	5.2	4.6	7.4	5.8
GENESIS	6.2	6.0	6.3	5.2	.	6.0	5.1	3.9	7.4	5.8
FINELAWN 5LZ (ZPS-5LZ)	5.6	6.1	6.3	4.8	5.1	6.0	4.9	5.3	7.8	5.8
MB 214	5.2	6.7	6.2	5.8	4.9	6.3	4.6	4.0	8.2	5.8
PST-5TO	5.1	6.2	6.4	5.4	5.5	6.0	4.7	5.1	7.3	5.8
PRO 8430	6.4	6.3	6.4	5.4	5.6	6.2	4.0	4.0	7.5	5.8
TRACER (BAR FA6 US1)	5.0	5.6	6.7	5.5	5.0	6.3	5.6	4.4	7.8	5.8
TF6 (BAR FA6 US6F)	5.4	5.7	6.3	5.7	5.4	6.1	4.5	4.8	7.8	5.8
ALAMO E	6.0	6.1	6.3	4.9	5.6	5.6	5.0	4.7	7.6	5.7
PICK FA N-93	4.9	5.5	6.6	5.4	5.5	5.6	5.4	4.9	7.9	5.7
ARABIA (J-5)	5.1	5.8	6.6	5.4	5.6	5.7	5.1	4.4	7.9	5.7
ATF-253	6.2	5.8	6.1	5.4	5.2	5.7	4.8	4.9	7.3	5.7
EA 41	5.6	6.0	6.3	5.7	5.3	5.3	4.8	4.8	7.7	5.7
REBEL 2000 (AA-989)	5.6	5.9	6.3	6.0	5.2	6.5	4.6	4.0	7.4	5.7
SHENANDOAH	6.3	6.1	6.2	5.2	5.6	6.5	4.1	4.1	7.2	5.7
OFI-FWY	5.8	5.9	6.4	5.4	4.9	6.1	5.0	4.2	7.6	5.7
BULLDAWG (PICK GA-96)	5.3	6.0	6.6	5.6	4.9	5.9	4.4	4.9	7.6	5.7
BANDANA (PST-R5AE)	6.0	5.6	6.4	4.9	5.4	6.2	4.4	4.5	7.6	5.7

TABLE 22.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT NINE LOCATIONS IN THE COOL-HUMID ZONE
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF										
NAME	IA1	IL1	IN1	ME1	MI1	NE1	NJ1	NJ2	OH1	MEAN
RENEGADE	6.4	5.8	6.0	5.6	5.2	6.2	3.9	4.3	7.6	5.7
RESERVE (ATF-182)	4.7	5.7	6.5	5.8	5.6	6.4	4.4	4.7	7.3	5.7
SAFARI	6.3	6.3	6.3	5.4	5.4	6.0	3.9	3.8	7.5	5.7
ATF-022	5.8	5.9	6.2	5.7	5.2	6.3	3.9	4.3	7.3	5.6
TWILIGHT II (IMI-TW)	5.5	5.6	6.1	5.0	5.5	5.8	5.1	4.5	7.5	5.6
COCHISE II	5.3	6.0	6.4	5.4	5.2	5.9	4.4	4.3	7.4	5.6
VELOCITY (AA-983)	4.8	5.6	6.3	5.9	5.7	6.5	3.8	4.0	7.7	5.6
ISI-TF10	5.3	5.6	6.2	5.7	5.8	5.4	4.9	4.1	7.3	5.6
FINELAWN PETITE	5.7	5.9	6.1	5.2	5.7	5.5	4.6	4.2	7.4	5.6
TOMAHAWK-E	5.1	6.3	6.2	5.7	4.8	6.2	4.6	3.8	7.4	5.6
SHORTSTOP II	5.6	5.5	6.2	4.6	4.9	6.4	4.6	4.5	7.7	5.5
GLEN EAGLE (EC-101)	5.8	5.8	6.3	5.5	5.4	5.2	3.9	4.5	7.5	5.5
KITTY HAWK S.S.T. (SS45DW)	5.7	6.0	6.2	5.2	5.5	5.7	3.8	4.0	7.4	5.5
LEPRECHAUN	5.8	5.9	5.9	5.4	5.2	5.8	3.9	4.2	7.4	5.5
PEDESTAL (PC-AO)	5.2	5.8	6.1	5.0	5.5	6.5	3.8	4.0	7.6	5.5
ARIZONA (PICK FA 6-91)	4.8	5.5	6.5	5.7	5.0	5.7	4.0	4.3	7.9	5.5
DP 50-9011	5.2	5.3	6.5	5.8	5.2	5.9	3.8	3.9	7.8	5.5
HELIX (WVPB-1D)	5.6	6.0	5.8	4.8	5.5	5.8	4.0	4.6	7.3	5.5
PSII-TF-9	5.9	5.6	6.0	5.0	6.0	5.6	3.7	4.5	7.1	5.5
OFL-96-32	5.6	5.9	5.6	5.3	5.3	5.5	3.9	4.5	7.7	5.5
COMSTOCK (SSDE31)	5.6	5.8	6.1	5.8	5.3	5.1	4.3	4.2	7.2	5.5
EQUINOX (TMI-N91)	5.2	5.8	5.8	5.4	6.2	5.3	4.0	4.2	7.3	5.5
GOOD-EN (KOOS 96-14)	5.3	5.6	5.4	5.2	5.7	5.2	4.5	4.7	7.3	5.4
TITAN 2	6.8	5.9	6.0	5.1	5.0	5.9	3.5	3.6	6.9	5.4
SRX 8084	5.9	5.9	5.7	5.2	5.5	5.9	3.5	4.0	7.2	5.4
ATF-020	4.8	5.6	6.0	5.6	5.1	6.0	3.9	4.3	7.3	5.4
WVPB-1B	5.2	5.7	6.2	5.4	4.9	5.6	4.0	4.3	7.3	5.4
PSII-TF-10	5.1	5.6	5.7	5.3	5.3	5.7	4.2	4.1	7.2	5.4
JSC-1	5.7	5.7	5.8	5.3	4.9	5.9	3.6	3.9	7.3	5.3
WPEZE (WVPB-1C)	6.1	5.7	5.8	5.1	5.5	4.9	3.4	4.3	7.0	5.3
PICK FA UT-93	4.5	5.0	6.4	5.6	4.7	5.8	4.0	4.2	7.6	5.3
BONSAI	5.2	5.8	6.2	5.0	5.7	5.4	3.3	3.8	7.2	5.3
AXIOM (ATF-192)	5.5	5.5	5.8	5.1	5.3	5.3	3.4	4.2	7.2	5.2
JTTFC-96	5.7	5.5	6.1	4.9	5.2	5.8	3.0	3.9	7.2	5.2
JTTFA-96	5.4	5.4	6.3	4.6	5.3	5.9	3.2	4.0	7.1	5.2
DP 7952	6.2	4.9	5.8	4.9	5.4	4.8	2.1	3.1	6.7	4.9
DLF-1	5.5	5.2	5.4	4.6	4.6	5.3	2.7	3.1	7.0	4.8
ARID	6.1	4.9	5.6	4.4	5.2	5.5	2.5	2.4	6.6	4.8
AV-1	5.6	5.1	5.0	4.5	5.2	5.0	2.1	3.0	6.9	4.7
KENTUCKY-31 W/ENDO.	5.3	3.9	2.9	3.3	5.6	3.3	1.2	1.0	5.2	3.5
LSD VALUE	1.2	0.6	0.4	0.7	1.1	0.7	1.1	0.8	0.5	0.3
C.V. (%)	12.6	6.1	3.5	8.0	11.9	7.7	14.8	10.6	4.1	8.8

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 23.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT FOUR LOCATIONS IN THE COOL-ARID ZONE 1/
1999 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)	6.8	6.4	6.0	6.1	6.4	MB 29	6.4	5.8	5.2	6.5	6.0
PICK RT-95	6.9	6.5	5.7	6.0	6.3	OFI-931	6.2	5.9	6.0	5.9	6.0
SCORPIO (ZPS-2PTF)	6.8	6.4	5.9	6.0	6.3	LION	6.2	5.9	6.2	5.7	6.0
MILLENNIUM (TMI-RBR)	6.7	6.5	5.6	6.3	6.3	CU9502T	6.7	5.9	5.5	5.8	6.0
CORONADO	6.7	6.4	6.0	6.0	6.3	TOMAHAWK-E	6.5	6.0	5.7	5.8	6.0
MASTERPIECE (LTP-SD-TF)	7.1	6.1	5.7	6.0	6.2	WATCHDOG (PICK FA B-93)	6.6	6.0	5.5	5.8	6.0
R5AU	6.6	6.3	6.0	5.7	6.2	ISI-TF9	6.5	5.9	5.9	5.6	6.0
REMBRANDT (LTP-4026 E+)	6.7	6.2	5.6	6.1	6.2	CORONADO GOLD (PST-5RT)	6.7	6.1	5.1	6.0	6.0
SHENANDOAH II (WRS2)	6.7	6.3	5.5	6.1	6.2	TRACER (BAR FA6 US1)	6.4	6.2	5.1	6.2	6.0
BAR FA 6LV	6.5	6.1	6.0	6.0	6.1	MB 26	6.7	6.2	4.8	6.2	6.0
BAR FA 6D	6.4	6.2	5.6	6.2	6.1	PICK FA XK-95	6.5	6.0	5.3	6.0	6.0
TAR HEEL	6.6	6.3	5.7	5.8	6.1	BRANDY (J-101)	6.9	6.0	5.0	5.9	6.0
WOLFPACK (PST-R5TK)	6.6	6.4	5.7	5.8	6.1	MB 213	6.3	5.9	5.5	6.1	6.0
BANDANA (PST-R5AE)	6.9	6.2	5.5	5.8	6.1	MB 214	6.3	6.1	5.1	6.4	5.9
BARRINGTON (BAR FA6D USA)	6.6	6.0	5.7	6.1	6.1	GAZELLE	6.8	6.2	4.9	5.8	5.9
AZTEC II (TMI-AZ)	6.8	6.3	5.4	6.0	6.1	REBEL SENTRY (AA-A91)	6.5	6.0	5.3	6.0	5.9
COYOTE	6.6	6.0	5.5	6.1	6.1	APACHE II	6.4	6.0	5.6	5.8	5.9
REBEL 2000 (AA-989)	6.4	6.0	5.6	6.3	6.1	BARRERA (BAR FA6 US3)	6.4	6.0	5.0	6.3	5.9
ONCUE (PST-523)	6.8	6.1	5.7	5.7	6.1	ARABIA (J-5)	6.4	6.0	5.3	6.0	5.9
OLYMPIC GOLD (PST-5E5)	6.8	6.1	5.3	6.0	6.1	TULSA	6.8	6.1	5.2	5.7	5.9
CROSSFIRE II	7.1	6.1	5.3	5.9	6.1	OFI-951	6.5	5.8	5.5	5.8	5.9
FINELAWN 5LZ (ZPS-5LZ)	6.7	6.2	5.5	5.9	6.1	RESERVE (ATF-182)	6.4	6.0	5.4	5.9	5.9
PICK FA N-93	6.6	6.1	5.5	6.0	6.1	WILDFIRE (ATF-196)	6.7	6.2	5.1	5.6	5.9
BONSAI 2000 (BULLET)	6.7	6.2	5.6	5.7	6.1	TWILIGHT II (TMI-TW)	6.6	5.7	5.5	5.9	5.9
DUSTER	6.5	6.2	5.8	5.8	6.0	EQUINOX (TMI-N91)	6.4	5.7	5.5	6.0	5.9
PICK FA 20-92	6.6	6.1	5.2	6.3	6.0	LEPRECHAUN	6.2	5.9	5.8	5.7	5.9
EMPRESS	6.6	5.8	5.8	5.9	6.0	MB 215	6.1	5.7	5.7	6.1	5.9
ANTHEM II (TMI-FMN)	6.5	5.8	6.1	5.8	6.0	ALAMO E	6.4	6.2	5.0	6.0	5.9
CU9501T	6.5	6.2	5.5	6.0	6.0	MB 216	6.0	5.7	5.7	6.2	5.9
ATF-257	6.9	6.2	5.4	5.7	6.0	SHORTSTOP II	6.6	6.0	5.1	5.9	5.9
ARID 3 (J-98)	6.6	5.8	5.9	5.9	6.0	AIRLIE (MB 210)	6.3	5.8	5.6	5.8	5.9
SOUTHERN CHOICE	6.5	6.0	5.8	5.9	6.0	BRAVO (RG-93)	6.6	5.7	5.1	6.0	5.9
DOMINION (PST-5M5)	6.4	5.9	6.0	5.8	6.0	DURANA (MB 211)	6.5	5.8	5.3	5.9	5.9
TF6 (BAR FA6 US6F)	6.4	5.9	6.0	5.8	6.0	OFI-FWY	6.4	5.8	5.7	5.6	5.9
SR 8210	6.5	6.2	5.5	5.8	6.0	WYATT (ATF-188)	6.8	6.0	5.1	5.6	5.9
PST-5TO	6.6	5.8	5.8	5.8	6.0	PRO 8430	6.4	6.0	5.4	5.6	5.9
MB 212	6.6	5.9	5.5	6.0	6.0	ARID II (J-3)	6.3	6.0	5.3	5.8	5.8
PICK FA 15-92	6.7	5.8	5.3	6.1	6.0	GENESIS	6.2	5.8	5.5	5.9	5.8
SRX 8500	6.6	5.8	5.8	5.9	6.0	PIXIE E+	6.1	5.8	5.4	6.0	5.8
BAR FA6 US2U	6.2	6.1	5.7	6.1	6.0	BULLDAWG (PICK GA-96)	6.6	5.8	5.2	5.7	5.8
OFI-96-31	6.4	6.0	5.4	6.2	6.0	PICK FA UT-93	6.4	5.8	5.3	5.7	5.8
RED COAT (ATF-038)	6.6	5.9	5.8	5.7	6.0	CHAPEL HILL (TA-7)	6.0	5.8	5.5	5.8	5.8
JAGUAR 3	6.8	6.1	5.3	5.9	6.0	ATF-020	6.4	5.9	5.2	5.8	5.8
ARIZONA (PICK FA 6-91)	6.5	5.6	5.7	6.1	6.0	ISI-TF10	6.1	5.8	5.4	5.8	5.8
SUNPRO	6.2	6.0	5.7	6.0	6.0	DP 50-9011	6.5	5.8	5.3	5.6	5.8

TABLE 23. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT FOUR LOCATIONS IN THE COOL-ARID ZONE
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF					
NAME	CA1	CA3	UT1	WA1	MEAN
MARKSMAN	5.9	5.3	6.1	5.8	5.8
MB 28	6.1	5.6	5.2	6.2	5.8
SRX 8084	6.5	5.7	5.3	5.6	5.8
FALCON II	6.3	5.7	5.2	5.9	5.8
ISI-TF11	6.3	5.5	5.6	5.7	5.8
MUSTANG II	6.6	5.6	5.3	5.5	5.8
COCHISE II	6.6	5.6	5.0	5.8	5.8
FINELAWN PETITE	6.1	5.7	5.5	5.8	5.7
VELOCITY (AA-983)	6.3	5.7	5.2	5.9	5.7
RENEGADE	6.2	6.0	5.3	5.5	5.7
SAFARI	6.4	5.5	5.8	5.3	5.7
ATF-253	6.6	5.8	5.1	5.6	5.7
REGIMENT	6.4	5.5	5.5	5.5	5.7
GLEN EAGLE (EC-101)	6.4	5.8	5.1	5.7	5.7
ATF-022	6.5	5.4	5.6	5.4	5.7
BONSAI	6.1	6.0	5.2	5.4	5.7
KITTY HAWK S.S.T. (SS45DW)	6.3	5.8	4.9	5.7	5.7
COMSTOCK (SSDE31)	6.0	5.5	5.3	5.8	5.6
PEDESTAL (PC-AO)	6.1	5.6	5.2	5.6	5.6
AXIOM (ATF-192)	6.1	5.7	5.4	5.3	5.6
EA 41	6.5	5.6	4.4	6.0	5.6
WX3-275	6.4	5.6	4.9	5.5	5.6
JSC-1	5.9	5.4	5.5	5.5	5.6
PSII-TF-9	5.9	5.3	5.3	5.9	5.6
SHENANDOAH	5.8	5.4	5.4	5.6	5.6
PSII-TF-10	6.1	5.2	5.1	5.9	5.6
OFI-96-32	6.1	5.5	4.8	5.7	5.5
WVPB-1B	6.1	5.6	5.0	5.5	5.5
HELIX (WVPB-1D)	5.9	5.3	5.1	5.7	5.5
JTTFC-96	6.2	5.4	5.4	4.9	5.4
JTTFA-96	6.0	5.5	5.2	5.0	5.4
GOOD-EN (KOOS 96-14)	5.7	5.1	5.0	5.7	5.4
WPEZE (WVPB-1C)	5.7	5.0	5.0	5.6	5.3
TITAN 2	5.7	5.0	4.6	5.2	5.1
AV-1	5.3	4.8	5.0	5.0	5.0
DLF-1	5.5	4.7	4.9	5.0	5.0
ARID	5.3	5.1	5.1	4.7	5.0
DP 7952	5.2	4.3	4.8	4.9	4.8
KENTUCKY-31 W/ENDO.	3.1	4.0	3.7	3.7	3.6
LSD VALUE	0.4	0.6	1.1	0.4	0.3
C.V. (%)	4.4	6.0	12.3	4.1	7.1

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 24.

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

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

NAME	AR1	CA1	CA3	GA1	IA1	IL1	IL2	IN1	KS2	KY1	ME1	MI1	MO1	MO3	NE1	NE2	OH1	OK1	UT1	VA1	VA4	WA1	MEAN
MB 214	7.7	7.3	7.7	7.3	6.7	5.3	7.3	7.7	8.5	8.7	8.0	6.3	6.3	8.0	8.3	8.0	8.3	7.3	6.3	5.7	6.0	8.0	7.3
MB 213	7.0	7.0	7.7	7.3	7.0	5.7	8.0	7.7	8.3	8.7	8.0	7.0	6.3	7.7	8.0	7.3	7.7	7.3	6.3	6.7	6.0	7.7	7.3
TRACER (BAR FA6 US1)	7.0	7.0	7.3	7.7	6.7	5.3	6.7	8.0	8.5	7.7	7.7	7.0	6.0	8.0	8.3	8.0	8.3	7.0	7.0	7.0	6.0	8.0	7.3
MB 216	7.0	7.0	7.7	7.0	7.0	6.3	7.3	7.7	8.3	8.7	7.3	6.3	6.0	7.0	8.0	7.0	8.0	7.3	6.7	8.0	6.0	8.0	7.3
BARRERA (BAR FA6 US3)	7.0	7.0	7.7	8.0	7.7	5.3	7.0	7.3	7.0	8.0	7.7	7.0	6.3	7.7	8.0	8.0	7.7	7.3	6.0	7.3	6.0	8.0	7.2
MB 215	6.3	7.0	7.3	7.3	6.7	6.0	7.3	7.7	8.0	8.3	7.7	6.7	6.0	7.7	8.3	8.3	8.0	7.3	7.0	6.0	6.0	7.7	7.2
MB 29	7.3	7.0	7.3	7.0	7.0	5.7	6.0	7.3	8.0	8.7	7.0	6.3	6.3	8.3	8.7	8.0	8.0	7.7	5.3	6.7	6.3	8.3	7.2
MB 28	7.7	7.0	7.3	7.5	7.3	6.0	6.7	8.0	8.0	8.3	7.0	6.7	6.3	6.7	8.0	7.7	7.7	7.7	5.7	7.0	6.0	8.0	7.2
MB 26	6.3	7.0	7.3	8.0	7.3	5.3	6.3	7.3	7.5	9.0	8.0	6.7	6.0	7.3	8.7	8.3	7.3	7.7	5.7	6.0	6.0	7.7	7.1
PLANTATION (PENNINGTON-1901)	8.0	7.7	7.0	7.7	7.0	6.3	5.0	7.0	7.3	8.3	7.3	6.3	6.0	7.3	8.3	8.0	8.0	7.0	6.7	6.7	6.0	7.7	7.1
SHENANDOAH II (WRS2)	7.3	7.0	7.3	6.7	6.7	5.7	6.3	7.3	7.5	8.7	7.7	6.7	6.0	7.3	8.3	7.7	8.7	7.0	7.0	6.0	6.0	7.7	7.1
ARID 3 (J-98)	7.0	6.7	7.7	8.0	6.7	5.7	6.3	7.3	7.5	8.3	7.0	6.7	6.3	6.3	8.0	8.0	8.3	7.7	6.3	6.7	6.0	7.7	7.1
ARABIA (J-5)	6.7	6.3	8.0	6.5	6.7	6.0	7.0	7.7	7.7	8.7	7.7	6.3	6.7	7.0	7.7	8.0	8.0	7.3	5.7	6.7	6.0	7.7	7.1
BARRINGTON (BAR FA6D USA)	7.3	7.0	7.3	7.7	6.3	5.7	5.7	7.7	7.5	8.7	7.3	7.0	6.0	7.3	8.7	7.7	8.0	7.0	6.7	6.0	6.0	7.7	7.1
FINELAWN 5LZ (ZPS-5LZ)	6.3	7.7	7.7	7.3	6.3	5.3	6.3	7.0	8.3	8.7	6.7	6.0	6.3	7.7	8.0	7.7	8.0	7.3	7.0	6.3	5.7	8.0	7.1
COYOTE	7.3	7.0	7.3	7.0	6.3	5.7	5.3	7.0	8.0	8.0	7.3	6.7	5.7	7.3	7.7	8.3	8.7	7.3	6.7	6.7	6.3	8.0	7.1
DURANA (MB 211)	6.7	6.7	7.3	7.0	7.0	6.0	7.3	7.3	8.0	8.3	7.3	6.3	6.3	7.0	7.7	7.0	7.3	7.7	6.7	6.7	6.0	7.7	7.1
BAR FA 6LV	6.3	6.7	7.7	8.0	6.3	5.3	6.0	6.7	7.0	8.3	7.7	6.0	6.0	7.3	7.7	7.7	8.0	8.0	7.0	7.0	6.0	8.0	7.0
BAR FA6 US2U	6.3	6.3	8.0	7.0	7.7	5.0	7.0	7.7	7.0	7.3	7.3	6.7	6.0	7.7	8.0	8.0	8.0	7.7	5.7	6.3	6.0	8.0	7.0
EA 41	7.7	7.3	6.7	6.5	6.7	6.0	6.3	8.0	8.0	8.7	7.0	6.7	6.0	8.0	7.3	8.0	8.0	7.0	5.0	6.0	6.0	7.7	7.0
ARID II (J-3)	6.7	6.7	7.7	7.5	8.0	5.7	6.7	7.0	8.0	8.3	7.0	6.7	6.0	6.0	7.7	7.7	7.7	7.3	5.7	6.7	6.0	7.7	7.0
CORONADO	6.0	7.0	7.3	7.3	7.0	6.0	5.0	7.7	7.5	8.7	7.3	6.7	6.3	6.7	7.3	7.7	8.3	7.0	7.0	7.0	6.0	7.3	7.0
MB 212	7.3	7.0	7.0	6.7	7.0	5.7	6.7	7.0	7.5	8.3	7.3	6.0	6.3	7.3	7.7	7.7	8.0	7.3	6.3	7.0	6.0	7.0	7.0
LION	6.0	7.3	7.7	7.3	7.3	6.3	5.7	7.3	8.0	8.0	7.0	6.0	6.3	7.3	7.7	7.0	7.7	6.7	5.7	7.7	6.3	7.7	7.0
SCORPIO (ZPS-2PTF)	6.3	7.7	7.3	7.3	6.7	6.0	6.3	7.3	8.0	7.7	7.3	6.0	6.0	6.0	7.7	8.3	8.0	7.0	7.0	6.7	6.0	7.3	7.0
PICK FA N-93	6.0	7.0	8.0	7.7	6.3	5.7	6.3	7.3	7.5	8.3	7.3	6.0	6.7	6.7	7.7	8.0	8.3	7.7	6.0	6.0	6.0	7.3	7.0
PICK RT-95	6.0	7.0	7.7	8.0	6.7	6.3	5.7	7.0	7.0	8.0	7.7	7.3	5.7	7.0	7.7	7.7	8.3	6.7	6.7	6.0	6.0	7.7	7.0
REMBRANDT (LTP-4026 E+)	7.0	7.3	6.3	7.3	6.7	5.7	6.3	6.7	7.0	8.3	7.3	6.7	6.0	7.0	7.7	7.7	8.0	7.3	7.3	6.7	6.0	7.3	7.0
TF6 (BAR FA6 US6F)	6.0	6.7	6.7	7.3	7.0	5.3	6.3	7.0	7.5	7.3	7.7	6.3	7.0	8.0	7.7	8.0	8.3	7.3	6.3	6.3	6.0	7.3	7.0
ARIZONA (PICK FA 6-91)	6.0	6.7	7.3	7.0	6.3	6.0	7.7	7.7	7.0	7.7	7.0	6.0	6.7	6.7	8.7	7.7	7.3	7.7	6.3	6.0	6.0	8.0	7.0
BRANDY (J-101)	5.0	7.3	7.3	6.7	7.3	5.7	6.3	7.0	7.0	8.3	7.3	6.3	6.3	6.7	8.7	8.0	8.3	7.7	6.3	6.3	6.0	7.3	7.0
REBEL 2000 (AA-989)	7.0	6.7	7.0	7.0	6.7	5.7	6.3	7.0	7.3	8.0	8.0	6.3	6.0	7.7	7.3	7.7	8.0	7.0	6.7	6.0	6.0	8.0	7.0
MILLENNIUM (TMI-RER)	7.3	5.7	7.0	7.0	6.7	6.0	5.0	7.3	6.5	8.3	7.7	6.7	6.0	7.0	8.3	7.7	8.3	7.0	7.0	6.3	6.0	8.0	6.9
PICK FA 20-92	7.0	7.0	7.3	7.0	7.0	5.0	6.7	7.7	7.3	7.3	8.0	6.7	6.3	7.3	7.0	7.3	8.0	7.0	5.7	6.3	6.0	7.7	6.9
REBEL SENTRY (AA-A91)	6.7	6.7	7.0	7.0	7.0	5.7	4.7	7.3	8.0	8.3	7.0	7.0	6.0	7.0	8.0	7.0	8.0	7.0	6.3	7.3	6.0	7.3	6.9
AIRLIE (MB 210)	7.3	7.0	7.0	7.0	7.0	5.3	6.3	6.7	7.0	8.0	7.3	6.3	6.3	7.3	7.3	7.0	7.7	7.3	6.3	7.0	6.0	7.7	6.9
OLYMPIC GOLD (PST-5E5)	7.3	7.3	6.7	7.0	5.7	5.3	5.0	6.7	7.0	8.0	7.3	6.3	6.0	7.3	8.3	8.0	7.7	7.0	6.0	7.3	6.0	8.0	6.9
SUNPRO	6.3	7.0	7.0	6.7	7.3	6.0	5.3	7.0	8.0	7.7	7.0	6.0	6.0	7.3	7.7	8.3	7.7	7.0	6.0	6.0	6.0	8.0	6.9
PICK FA 15-92	5.7	6.7	7.3	7.5	7.3	5.3	6.0	7.0	7.0	7.7	6.7	6.7	6.3	7.0	7.7	7.7	7.7	7.3	6.0	7.0	6.0	7.7	6.9
BAR FA 6D	6.3	7.0	7.0	8.0	6.3	5.0	6.3	7.0	7.0	8.3	7.3	6.0	6.0	7.0	7.7	7.0	8.0	7.3	7.0	6.3	6.0	7.3	6.8
OFI-951	6.0	7.0	6.7	7.0	6.3	6.0	6.0	7.7	7.0	8.0	6.3	6.7	6.3	7.0	7.0	7.3	7.7	7.0	6.3	7.0	6.0	8.0	6.8
OFI-96-31	6.7	7.0	6.7	7.0	7.3	5.7	5.7	6.7	7.0	8.3	7.3	6.7	6.0	7.0	8.3	7.3	7.7	7.3	5.7	5.7	6.0	7.3	6.8
TWILIGHT II (TMI-TW)	6.0	7.3	7.7	7.0	6.7	6.0	5.0	7.0	7.0	8.0	7.3	6.7	6.3	6.3	8.3	7.7	8.0	7.3	5.3	6.0	6.0	7.3	6.8
GAZELLE	5.7	7.7	7.0	7.3	7.0	5.0	5.3	6.3	7.0	8.7	7.7	6.3	6.3	6.7	7.3	6.7	8.3	7.7	6.3	6.3	6.0	7.3	6.8

TABLE 24. (CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS
1999 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	AR1	CA1	CA3	GA1	IA1	IL1	IL2	IN1	KS2	KY1	ME1	MI1	MO1	MO3	NE1	NE2	OH1	OK1	UT1	VA1	VA4	WA1	MEAN
CORONADO GOLD (PST-5RT)	6.3	7.0	7.0	7.7	7.0	6.0	5.3	7.0	7.0	6.7	8.0	6.7	6.0	6.7	6.7	7.3	8.0	7.0	6.7	6.7	6.0	7.3	6.8
MASTERPIECE (LTP-SD-TF)	6.0	7.0	6.7	7.5	7.0	6.0	5.7	7.0	6.5	7.3	7.7	6.3	5.3	6.7	7.3	8.0	8.7	7.0	6.3	7.0	6.0	7.0	6.8
PICK FA XK-95	7.0	6.7	7.0	6.7	7.0	6.0	5.7	7.3	8.0	7.0	7.0	6.3	6.3	7.3	7.7	7.7	7.3	7.0	5.3	6.0	6.0	7.3	6.8
OFI-931	5.7	7.0	7.0	7.3	6.7	5.7	4.7	7.7	7.0	7.7	7.0	6.3	6.0	7.3	8.0	7.7	8.7	7.0	6.0	5.7	6.0	7.7	6.8
PST-5TO	6.7	7.0	7.3	7.0	6.3	6.0	4.0	7.0	7.0	8.3	7.3	6.0	6.0	6.7	7.7	7.0	7.7	7.0	6.0	7.7	6.0	7.7	6.8
BRAVO (RG-93)	6.7	7.3	6.3	7.0	6.3	6.0	5.0	7.0	7.0	9.0	6.7	6.7	5.7	6.7	7.7	8.0	8.0	6.0	6.3	6.3	6.0	7.3	6.8
CU9501T	6.7	6.7	7.0	7.0	6.3	6.0	5.7	6.7	7.0	7.7	7.3	6.0	5.7	6.7	7.3	7.3	8.0	7.0	6.7	7.0	6.0	7.3	6.8
CROSSFIRE II	6.7	7.7	7.0	6.7	6.7	6.0	5.3	7.0	7.0	7.7	7.0	6.0	6.3	6.0	7.3	8.3	7.7	7.0	5.0	6.7	6.3	7.7	6.8
DOMINION (PST-5M5)	7.3	7.0	6.3	7.0	6.7	5.3	5.3	7.3	6.0	7.7	7.3	6.3	6.0	7.3	7.0	7.7	8.0	7.0	6.0	7.0	6.0	7.0	6.8
WATCHDOG (PICK FA B-93)	6.7	7.0	7.0	7.0	6.0	6.0	5.0	7.3	7.0	8.3	8.0	5.7	5.7	7.3	7.0	6.7	8.0	6.7	6.7	6.3	6.0	7.0	6.7
PICK FA UT-93	5.7	7.0	7.0	7.0	7.3	5.0	5.0	7.0	7.0	8.7	7.0	6.3	6.3	6.7	7.7	7.7	8.0	8.0	5.0	6.0	6.0	7.0	6.7
SOUTHERN CHOICE	6.7	7.0	6.7	7.7	7.3	5.7	6.7	6.7	7.0	7.7	6.7	6.0	6.0	6.7	7.0	7.0	7.3	7.0	5.7	6.3	6.0	7.3	6.7
CHAPEL HILL (TA-7)	7.3	6.7	6.7	7.3	6.7	6.0	4.3	7.0	7.0	8.0	6.3	6.7	6.0	6.0	8.0	7.3	7.3	7.3	6.7	6.0	6.0	7.0	6.7
VELOCITY (AA-983)	7.0	6.7	7.0	7.0	6.3	5.0	5.0	6.7	7.0	8.3	7.7	7.0	6.0	7.0	7.3	7.0	7.7	7.3	5.0	6.0	6.0	7.7	6.7
OFI-FWY	6.0	7.0	6.7	6.7	7.0	5.3	5.3	6.7	6.7	8.0	7.3	6.3	6.0	5.7	7.3	8.0	7.7	7.0	7.0	6.3	6.0	7.3	6.7
DUSTER	5.7	7.0	6.7	7.0	6.7	5.7	6.0	6.7	7.5	7.7	7.0	6.0	5.7	6.7	7.0	7.3	7.7	7.0	6.3	7.0	6.0	7.0	6.7
ISI-TF10	5.7	7.0	6.3	7.0	6.7	5.7	5.3	7.0	6.0	8.3	8.0	6.3	5.7	6.3	7.7	7.3	7.7	7.0	6.0	6.3	6.0	7.7	6.7
WOLFPACK (PST-R5TK)	6.7	7.3	7.0	7.0	7.3	5.7	4.0	6.7	6.3	7.0	7.0	6.7	5.7	6.3	7.3	7.7	8.3	6.7	6.0	7.3	6.0	7.0	6.7
SRX 8500	5.7	7.3	7.3	7.0	6.7	5.0	6.3	7.0	6.7	8.0	7.0	6.0	6.0	6.7	7.7	7.0	7.7	7.0	6.0	5.3	6.0	7.3	6.7
ALAMO E	5.3	7.0	7.0	7.0	6.7	6.0	5.3	6.7	6.7	8.3	6.3	6.7	6.0	6.3	7.0	7.7	8.3	7.0	6.0	5.7	6.0	7.7	6.7
FINELAWN PETITE	6.3	6.7	7.0	7.0	5.7	6.0	5.7	7.3	6.3	7.7	7.7	6.7	5.7	6.3	7.7	7.3	7.0	7.0	6.3	5.7	6.0	7.7	6.7
SHORTSTOP II	5.7	7.0	6.7	6.7	6.7	5.7	6.0	7.0	6.5	8.0	6.0	6.7	6.0	7.0	7.7	7.7	8.0	7.0	5.3	5.7	6.0	7.7	6.7
GENESIS	7.0	7.0	6.3	7.0	7.0	6.0	4.7	7.0	6.5	7.7	6.7	.	5.3	6.0	7.0	8.0	7.7	7.0	6.7	5.7	6.0	7.3	6.6
ANTHEM II (TMI-FMN)	6.3	7.3	6.0	7.5	5.3	6.0	4.7	7.3	6.5	8.0	7.7	7.0	5.7	6.3	7.0	7.3	7.3	6.7	7.0	5.3	6.0	7.7	6.6
TAR HEEL	6.7	7.0	7.0	7.7	6.3	6.0	5.3	6.3	6.5	6.3	7.0	6.7	5.7	6.3	7.7	7.0	7.7	7.0	6.0	6.0	6.0	7.7	6.6
PIXIE E+	6.3	7.0	6.7	6.7	6.7	6.0	6.0	7.0	6.0	8.0	6.7	6.3	5.3	6.0	7.3	7.7	7.7	7.0	6.0	5.7	6.0	7.7	6.6
RED COAT (ATF-038)	6.3	7.0	6.3	7.0	6.7	6.0	4.3	7.0	6.5	7.0	7.7	6.0	5.7	6.3	7.7	7.7	7.7	6.3	6.7	6.0	6.0	7.3	6.6
BANDANA (PST-R5AE)	5.7	7.3	7.0	6.7	6.7	5.3	3.7	6.7	7.5	7.7	7.0	5.7	5.7	6.0	7.3	7.3	8.3	7.0	6.3	6.7	6.0	7.7	6.6
R5AU	6.3	7.0	7.0	7.0	6.0	5.7	4.7	6.3	7.3	8.3	7.0	5.7	5.3	6.3	7.0	7.7	7.7	7.0	7.0	5.7	6.0	7.0	6.6
BULLDAWG (PICK GA-96)	6.0	6.7	6.7	6.7	7.0	5.7	4.7	7.3	7.0	7.7	6.7	6.7	6.0	6.7	7.3	7.3	7.7	7.3	5.0	5.3	6.0	6.7	6.5
DP 50-9011	7.0	7.0	6.7	6.5	6.3	6.0	3.7	6.7	6.3	7.7	6.3	6.7	6.0	6.3	6.3	7.3	9.0	6.3	6.3	6.3	6.0	6.7	6.5
JAGUAR 3	7.0	7.0	6.3	7.3	6.7	5.7	4.7	6.7	6.5	6.7	7.3	6.0	6.0	6.0	7.0	7.0	8.0	6.3	5.7	6.7	6.0	7.0	6.5
APACHE II	6.0	7.0	6.7	8.0	6.7	6.0	3.3	6.3	6.0	8.0	7.0	6.3	5.7	6.0	7.3	7.3	8.0	6.7	5.7	6.3	6.0	7.0	6.5
OFI-96-32	6.3	7.3	7.0	6.7	5.7	5.3	4.7	6.3	7.0	7.7	7.0	5.7	5.7	5.7	7.0	8.0	8.3	6.3	6.0	6.3	6.0	7.0	6.5
WX3-275	5.7	6.7	7.0	7.0	6.0	5.0	4.7	6.3	6.7	7.3	7.7	6.3	6.0	6.7	7.0	7.7	7.7	7.0	5.7	6.3	6.0	6.7	6.5
PSII-TF-10	6.0	7.0	6.0	6.7	6.3	5.3	5.0	7.0	7.0	7.7	6.3	6.7	5.7	6.3	7.7	7.7	6.7	7.0	5.3	6.3	6.0	7.0	6.5
EMPRESS	6.3	7.0	6.7	6.5	6.7	5.7	4.3	6.7	7.0	6.3	6.3	5.7	5.7	6.3	6.7	7.7	7.3	7.0	6.7	6.7	6.0	7.3	6.5
MARKSMAN	6.7	7.0	6.0	6.7	6.3	5.7	5.3	6.7	6.5	7.3	7.0	6.0	5.7	6.0	7.0	7.0	7.3	6.7	6.0	7.0	6.0	6.7	6.5
TOMAHAWK-E	6.0	7.0	7.0	7.0	6.0	5.3	3.3	6.7	6.5	7.7	7.3	6.3	6.0	6.7	7.0	7.3	7.3	6.7	6.0	5.7	6.0	7.7	6.5
CU9502T	6.0	6.7	6.3	7.0	6.3	6.0	4.7	6.3	6.0	8.7	7.3	5.3	5.7	6.0	7.0	7.0	8.3	6.0	6.3	6.7	6.0	6.7	6.5
COCHISE II	6.3	7.3	6.3	7.0	5.7	5.7	5.3	6.7	7.0	7.3	6.7	6.0	6.0	6.0	6.7	7.3	7.3	7.0	5.3	6.0	6.0	7.0	6.5
WYATT (ATF-188)	5.0	7.0	6.3	7.0	6.0	6.3	4.7	6.3	6.0	7.3	7.3	6.3	5.3	6.7	7.0	7.3	8.3	6.0	6.0	6.7	6.0	6.7	6.4
WILDFIRE (ATF-196)	5.0	7.0	7.0	7.0	5.3	6.0	4.3	6.3	6.5	7.0	7.0	6.3	6.0	6.7	7.0	7.0	8.0	6.3	6.0	6.3	6.0	7.3	6.4
AZTEC II (TMI-AZ)	5.3	7.7	6.7	7.0	6.3	6.0	2.7	7.0	6.0	7.3	6.7	7.3	5.7	6.3	7.7	6.7	7.3	6.7	5.7	6.3	6.0	7.0	6.4
WPEZE (WVPB-1C)	6.7	7.0	5.7	6.7	6.7	5.7	3.0	7.0	6.5	8.3	7.0	6.3	5.3	5.3	7.0	8.0	7.3	6.7	6.3	6.0	6.0	6.7	6.4

TABLE 24. (CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS
1999 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	AR1	CA1	CA3	GA1	IA1	IL1	IL2	IN1	KS2	KY1	ME1	MI1	MO1	MO3	NE1	NE2	OH1	OK1	UT1	VA1	VA4	WA1	MEAN
ONCUE (PST-523)	6.3	7.0	6.7	6.7	5.3	6.0	3.7	6.7	7.0	6.7	6.7	6.0	5.7	6.0	6.7	7.7	8.3	6.0	6.0	7.0	6.0	7.0	6.4
SR 8210	6.0	7.0	6.3	7.0	5.7	5.7	4.0	7.3	6.0	7.3	6.7	5.7	5.3	6.7	7.0	7.7	8.0	6.3	6.0	6.3	6.0	7.0	6.4
PEDESTAL (PC-AO)	5.3	6.7	6.7	6.7	6.3	5.7	4.7	6.3	6.7	8.0	7.0	6.3	5.7	5.3	7.7	7.3	8.0	6.3	5.0	6.7	6.0	6.7	6.4
BONSAI 2000 (BULLET)	5.3	7.0	6.7	7.0	6.0	5.7	5.7	6.3	6.5	7.0	6.7	6.3	5.7	6.0	7.0	7.0	7.3	7.0	6.7	6.0	5.7	6.3	6.4
FALCON II	5.7	6.7	6.0	6.3	7.3	6.0	4.3	7.0	6.0	7.0	6.7	6.0	5.3	6.0	7.3	7.3	8.0	6.7	6.0	6.0	6.0	7.0	6.4
ISI-TF9	5.3	7.0	6.7	7.0	6.7	5.3	4.3	7.0	6.0	8.3	6.3	6.3	5.0	6.0	7.0	7.0	7.7	6.3	6.3	6.0	6.0	7.0	6.4
GOOD-EN (KOOS 96-14)	6.3	7.0	6.3	7.0	6.0	5.3	4.7	7.0	6.0	8.0	6.7	6.3	5.0	5.7	7.0	7.7	7.7	6.3	5.0	6.7	6.0	6.7	6.4
KITTY HAWK S.S.T. (SS45DW)	4.7	7.0	5.7	6.7	6.7	6.3	4.0	6.7	6.0	7.3	7.0	6.0	5.3	6.7	6.7	8.0	8.0	6.7	5.7	6.3	6.0	6.7	6.4
PRO 8430	6.3	6.7	6.7	7.0	6.0	6.0	5.3	7.0	7.0	6.3	6.3	6.0	5.3	5.0	7.0	6.7	8.3	6.3	6.3	6.0	6.0	6.3	6.4
GLEN EAGLE (EC-101)	6.0	6.7	5.3	6.7	5.7	5.7	4.7	6.7	6.0	8.0	7.3	6.0	5.3	5.3	7.3	7.7	8.3	6.3	6.0	6.3	6.0	6.7	6.4
RENEGADE	5.0	6.3	6.7	6.7	6.7	5.7	4.7	6.0	6.0	7.7	7.3	6.7	5.3	6.3	7.0	7.3	8.0	6.7	5.0	6.3	6.0	6.7	6.4
TULSA	6.0	7.3	6.3	6.0	5.7	5.7	4.3	7.0	5.7	8.0	6.3	6.3	5.3	6.3	6.3	8.0	7.3	6.7	5.7	6.3	6.0	7.3	6.4
COMSTOCK (SSDE31)	5.7	6.3	6.3	6.3	6.0	6.0	4.7	6.3	6.5	7.3	7.0	5.7	5.7	6.3	7.0	7.0	7.7	6.3	6.0	6.0	6.0	7.0	6.3
PSII-TF-9	6.0	6.7	6.3	6.7	5.3	6.0	5.0	6.3	6.3	7.7	6.0	6.0	5.0	6.3	6.0	8.0	7.3	6.7	6.0	6.3	6.0	7.0	6.3
WVPB-1B	6.3	7.0	6.3	7.0	6.0	5.3	3.7	6.7	6.0	8.0	6.7	6.0	5.3	6.0	7.3	7.0	7.3	6.7	6.0	5.7	6.0	6.7	6.3
ATF-253	5.3	6.7	5.7	6.7	5.7	5.7	6.3	6.3	6.5	7.3	6.7	6.0	5.7	6.0	6.3	7.3	8.0	6.0	5.7	6.7	6.0	6.3	6.3
REGIMENT	6.3	7.3	5.3	6.5	6.0	5.3	4.7	6.3	6.0	7.3	6.7	6.0	5.3	6.0	6.0	7.7	8.3	6.0	6.3	6.3	6.0	7.0	6.3
RESERVE (ATF-182)	6.0	7.0	6.3	7.0	6.3	6.0	3.3	5.7	6.5	6.7	7.0	6.3	5.3	6.0	6.3	7.3	8.0	6.0	6.0	6.3	6.0	7.3	6.3
EQUINOX (TMI-N91)	5.3	7.0	6.7	6.3	5.7	5.3	4.0	6.3	6.0	7.0	7.3	6.7	5.7	5.7	6.7	7.3	7.3	7.0	6.0	6.3	6.0	7.0	6.3
LEPRECHAUN	6.3	6.7	6.3	7.0	5.3	5.3	5.7	6.7	6.0	6.7	6.7	6.3	5.7	5.7	6.3	7.3	7.3	6.7	5.3	6.3	6.0	6.7	6.3
ATF-022	6.0	7.0	6.7	6.0	5.7	6.0	4.7	6.3	6.0	6.3	7.0	6.3	5.3	6.0	6.3	7.7	7.3	6.0	5.7	6.7	6.0	7.0	6.3
ISI-TF11	6.0	6.7	6.0	7.0	6.3	6.0	3.3	6.3	5.0	7.7	7.0	6.0	5.0	6.0	6.3	8.0	7.7	7.0	5.7	6.3	6.0	6.3	6.3
SRX 8084	5.7	7.7	6.3	6.7	5.7	6.0	4.0	6.7	6.0	7.3	6.7	6.7	5.3	6.0	6.3	7.3	7.3	6.3	5.7	5.3	6.0	6.3	6.2
AXIOM (ATF-192)	5.0	6.7	7.0	6.5	5.7	6.3	5.0	5.3	6.0	7.7	6.7	5.7	5.3	5.3	6.7	7.0	8.3	6.0	6.0	6.3	6.0	6.7	6.2
ATF-020	6.0	7.0	7.0	6.7	5.0	5.0	4.3	6.3	6.5	6.7	7.0	5.7	5.3	6.3	6.7	6.3	7.7	6.3	5.0	7.0	6.0	7.0	6.2
MUSTANG II	6.3	7.0	5.7	6.7	5.3	5.7	4.7	6.7	6.0	6.7	6.7	5.5	5.3	5.7	7.3	7.7	7.3	6.0	5.3	6.7	6.0	6.3	6.2
SAFARI	6.0	7.0	5.3	6.7	5.7	6.3	2.3	6.3	6.5	7.3	7.3	6.7	5.0	5.7	6.7	7.0	8.3	6.0	6.0	6.3	6.0	6.0	6.2
HELIX (WVPB-1D)	6.0	6.3	6.0	6.3	5.7	5.3	3.7	6.3	6.5	7.7	6.3	6.0	6.0	5.7	6.3	7.7	7.7	6.7	4.7	6.0	6.0	6.7	6.2
BONSAI	6.3	6.3	7.0	6.0	6.0	6.0	4.0	6.0	6.5	6.0	6.3	6.0	5.3	5.3	7.0	7.7	7.0	6.0	5.0	6.0	6.0	6.3	6.1
JSC-1	5.0	7.0	5.7	6.0	5.7	5.3	4.0	6.3	6.0	7.0	6.7	5.7	5.3	5.3	7.3	7.3	8.0	6.0	5.3	6.0	6.0	6.7	6.1
ATF-257	6.3	6.7	5.7	6.7	5.3	6.0	3.3	5.3	6.0	6.7	6.7	5.7	5.0	5.3	6.7	7.0	8.0	6.0	4.7	7.0	6.0	6.7	6.0
SHENANDOAH	6.3	6.7	5.0	5.5	6.0	5.7	3.3	7.0	6.5	6.7	6.3	5.7	4.7	6.0	6.7	7.0	7.3	6.3	5.7	5.7	6.0	6.3	6.0
JTTFC-96	6.3	6.3	4.7	6.0	5.7	5.3	2.0	5.3	6.0	6.3	6.7	6.7	4.7	5.0	6.0	7.3	6.3	5.7	6.3	6.7	6.0	5.7	5.8
DLF-1	6.0	6.3	4.7	6.3	5.0	5.3	4.0	6.3	6.0	7.0	6.0	5.7	4.7	5.3	6.3	6.0	7.7	5.3	5.0	5.7	6.0	6.0	5.8
TITAN 2	5.7	5.7	6.0	6.3	5.3	6.0	3.3	5.7	6.0	5.0	5.3	5.7	5.0	5.7	5.7	7.3	7.0	6.3	3.7	6.0	6.0	5.7	5.7
AV-1	4.7	7.3	4.3	6.0	5.3	6.0	3.3	5.7	5.5	7.3	6.0	6.3	4.3	3.7	5.7	6.3	7.0	6.0	4.7	5.7	6.0	5.7	5.6
ARID	6.3	6.3	4.3	6.3	5.7	5.3	2.0	5.0	4.3	6.3	5.7	5.7	4.3	3.7	5.0	7.0	7.3	5.0	5.0	6.0	6.0	5.0	5.3
DP 7952	5.7	6.7	4.3	5.7	5.0	5.7	2.3	5.3	5.5	6.7	4.7	6.0	4.3	3.7	5.0	7.3	6.7	5.3	4.3	5.7	6.0	5.7	5.3
JTTFA-96	4.3	7.0	4.3	6.0	5.0	5.3	1.7	5.0	5.0	5.0	5.3	5.3	4.0	4.7	5.3	7.0	7.3	5.3	5.7	5.7	6.0	5.7	5.3
KENTUCKY-31 W/ENDO.	4.3	3.3	4.0	5.7	4.3	4.0	1.3	3.0	4.0	4.0	3.3	5.0	3.7	2.0	4.7	7.0	4.0	5.0	4.0	3.7	5.3	4.3	4.1
LSD VALUE	1.3	0.9	0.9	1.0	1.4	0.9	1.8	0.9	1.5	1.2	1.4	1.1	0.9	1.2	0.9	1.2	1.2	0.7	1.6	1.3	0.2	0.8	0.2
C.V. (%)	13.1	7.7	8.7	8.0	13.2	9.6	22.5	8.0	10.5	9.4	12.1	10.4	9.5	11.8	8.1	9.8	9.6	6.4	16.3	12.6	2.2	7.4	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 25.

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
 1999 DATA

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

NAME	IA1	IL1	IN1	KS2	MI1	MO3	NE1	NE2	NJ1	NJ2	OH1	OK1	VA1	VA4	WA1	MEAN
JTTFA-96	7.0	6.7	6.0	8.7	6.0	4.7	5.3	6.3	8.0	8.3	8.3	7.0	6.3	6.3	6.3	6.8
SAFARI	6.0	5.3	6.0	8.0	5.7	5.0	6.3	7.0	7.0	7.0	9.0	6.7	7.3	6.7	6.7	6.6
CU9501T	6.3	5.3	5.0	8.3	4.3	5.3	8.0	7.7	4.7	7.0	9.0	6.0	7.3	7.3	6.0	6.5
JAGUAR 3	6.3	5.0	5.3	8.3	4.0	5.7	7.7	7.3	5.0	7.7	9.0	6.0	7.3	6.0	5.7	6.4
FALCON II	7.0	4.7	6.3	8.0	5.0	4.7	7.3	6.7	6.0	6.7	9.0	5.7	7.3	6.3	5.0	6.4
ONCUE (PST-523)	4.7	5.7	5.0	8.3	4.3	5.7	6.3	7.3	5.3	7.0	9.0	6.3	7.0	6.7	6.0	6.3
GENESIS	5.7	5.0	5.7	8.3	.	4.7	7.3	7.0	4.3	5.0	9.0	5.7	7.7	7.3	5.7	6.3
CU9502T	5.3	5.0	5.0	8.0	4.3	5.0	7.3	7.0	5.3	7.0	9.0	6.0	7.3	7.0	5.7	6.3
ARID	5.3	5.7	6.7	8.3	4.7	2.7	5.7	6.7	7.7	7.7	8.0	6.0	7.0	6.0	6.3	6.3
WOLFPACK (PST-R5TK)	6.3	4.3	4.7	8.0	5.0	6.0	7.0	7.0	4.3	7.0	9.0	6.0	7.0	6.7	6.0	6.3
SHENANDOAH II (WRS2)	6.0	5.3	5.3	8.0	4.0	5.7	7.7	7.0	3.7	5.7	9.0	6.3	7.3	7.3	5.3	6.2
WEZE (WVPB-1C)	6.3	5.0	5.3	7.7	4.7	5.3	7.0	7.7	4.3	5.7	9.0	5.7	7.0	7.0	5.7	6.2
DP 7952	6.0	5.7	6.0	8.3	5.0	3.7	5.0	6.3	7.0	7.7	8.3	6.3	6.0	5.7	6.3	6.2
RED COAT (ATF-038)	5.7	4.7	5.7	8.0	3.7	5.3	7.7	7.3	5.0	6.3	9.0	6.0	6.7	7.0	5.0	6.2
SHENANDOAH	5.7	4.3	5.3	8.3	5.0	5.0	6.3	6.3	5.3	6.7	9.0	6.0	6.7	6.7	6.3	6.2
REMBRANDT (LTP-4026 E+)	5.0	4.3	5.7	8.0	4.3	5.3	7.7	7.3	4.3	6.7	9.0	6.3	7.3	6.7	5.0	6.2
COMSTOCK (SSDE31)	5.7	5.0	5.3	7.7	4.3	5.0	7.0	7.0	5.0	6.0	9.0	5.7	7.0	7.0	5.7	6.2
CHAPEL HILL (TA-7)	6.0	4.7	4.7	7.7	4.7	5.0	8.3	7.0	4.7	6.0	8.3	6.0	7.0	7.0	5.0	6.1
MARKSMAN	6.3	4.7	5.3	8.0	5.0	4.3	7.0	7.0	5.3	4.7	9.0	5.3	7.0	6.7	6.3	6.1
MASTERPIECE (LTP-SD-TF)	6.0	4.3	5.0	8.0	3.3	5.3	7.3	7.3	4.3	6.3	9.0	6.0	7.3	6.7	5.3	6.1
DLF-1	6.0	5.0	5.3	8.0	4.3	5.0	5.7	6.0	6.3	6.7	9.0	6.0	6.3	6.0	6.0	6.1
PLANTATION (PENNINGTON-1901)	5.0	3.7	4.3	8.3	3.7	7.7	7.3	7.7	3.7	5.7	9.0	6.0	7.3	6.3	6.0	6.1
KENTUCKY-31 W/ENDO.	6.0	5.7	5.7	8.0	7.5	2.0	4.0	6.3	8.0	7.0	7.7	6.0	6.3	5.3	6.0	6.1
WVPB-1B	5.0	4.3	5.0	7.7	3.5	5.0	6.7	7.3	5.3	6.3	9.0	6.0	7.3	7.0	6.0	6.1
JTTFC-96	6.3	5.0	5.3	8.0	5.3	4.0	6.0	6.7	4.3	7.0	9.0	6.0	6.7	6.0	5.7	6.1
MB 212	5.3	4.7	5.0	7.7	3.3	6.3	8.0	7.3	4.3	5.7	9.0	6.0	7.3	6.0	5.3	6.1
PSII-TF-9	6.3	4.3	5.7	7.3	4.3	4.0	6.7	7.7	4.7	5.7	9.0	5.7	7.0	7.0	6.0	6.1
TITAN 2	6.0	4.0	6.0	8.0	4.0	5.3	6.0	6.7	5.7	6.0	9.0	5.7	7.0	6.0	6.0	6.1
CROSSFIRE II	6.0	4.3	4.7	8.0	4.0	6.0	8.0	7.0	3.3	6.0	9.0	5.7	7.3	6.7	5.0	6.1
BARRERA (BAR FA6 US3)	5.3	4.3	4.7	7.7	3.0	6.3	8.0	7.7	4.7	5.0	9.0	6.3	7.3	6.7	5.0	6.1
BRAVO (RG-93)	5.7	4.0	5.3	8.3	4.0	5.0	7.3	7.3	4.0	5.3	9.0	6.0	7.0	7.3	5.0	6.0
CORONADO	5.3	4.3	4.3	7.7	4.0	7.0	7.3	7.0	4.3	5.7	9.0	5.7	7.0	6.7	5.3	6.0
PEDESTAL (PC-AO)	6.0	5.7	5.3	8.0	4.3	5.0	6.7	7.0	5.0	4.3	9.0	5.7	7.0	6.7	5.0	6.0
BAR FA6 US2U	5.7	4.0	5.0	7.3	4.0	5.3	8.0	6.7	5.0	5.0	9.0	6.0	7.3	7.0	5.3	6.0
BONSAI 2000 (BULLET)	5.0	5.0	5.3	8.0	3.0	5.0	6.7	7.0	5.3	6.7	9.0	6.0	7.0	6.3	5.3	6.0
LEPRECHAUN	6.0	4.3	5.0	8.0	4.0	5.3	7.3	7.3	4.7	4.7	9.0	5.7	7.3	6.7	5.3	6.0
OFI-FWY	5.7	4.0	5.3	7.7	3.7	5.7	7.3	7.3	5.0	4.3	9.0	6.0	7.3	7.0	5.3	6.0
MUSTANG II	5.3	4.3	5.0	7.7	4.5	5.0	6.3	7.7	4.3	6.0	9.0	6.3	6.7	6.7	5.7	6.0
REBEL SENTRY (AA-A91)	5.7	4.0	4.7	8.3	3.7	7.0	7.3	7.0	3.3	4.7	9.0	5.7	7.3	7.0	5.7	6.0
RESERVE (ATF-182)	5.0	4.7	5.0	8.0	4.3	5.0	6.3	7.0	4.3	6.0	9.0	6.0	7.7	6.3	5.7	6.0
ISI-TF9	5.3	5.3	5.0	7.3	3.7	6.0	6.7	7.0	4.0	5.3	9.0	6.3	7.0	7.3	5.0	6.0
PICK RT-95	5.7	4.3	4.3	8.0	3.3	6.7	7.7	7.7	3.3	5.3	9.0	5.7	7.3	7.0	5.0	6.0
AIRLIE (MB 210)	5.0	4.0	5.0	8.0	4.7	6.3	7.3	7.3	4.3	4.7	9.0	5.7	7.0	7.0	4.7	6.0
OFI-951	6.0	4.3	4.7	7.0	3.7	6.3	7.3	7.3	4.3	5.3	9.0	5.7	7.3	7.3	4.3	6.0

TABLE 25. (CONT'D)

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS
 1999 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	IA1	IL1	IN1	KS2	MI1	MO3	NE1	NE2	NJ1	NJ2	OH1	OK1	VA1	VA4	WA1	MEAN
REGIMENT	6.0	4.0	4.3	7.7	3.7	5.0	6.7	7.0	5.3	7.0	9.0	5.7	7.3	6.0	5.3	6.0
GAZELLE	6.7	3.7	5.3	7.7	3.3	5.7	7.7	7.0	3.0	5.3	9.0	6.0	7.0	7.0	5.3	6.0
HELIX (WVPB-1D)	6.0	4.3	4.7	8.0	4.0	5.0	6.7	7.3	5.0	6.0	9.0	5.3	6.7	6.0	5.7	6.0
PIXIE E+	5.7	3.7	5.3	7.7	4.3	5.7	6.7	7.0	4.0	5.3	9.0	6.0	7.3	6.7	5.3	6.0
WATCHDOG (PICK FA B-93)	5.7	4.3	5.0	7.7	3.7	5.0	7.3	7.3	3.7	6.0	9.0	6.0	7.0	6.7	5.3	6.0
SR 8210	5.7	4.0	5.0	7.7	4.7	5.3	7.7	7.0	4.0	5.0	9.0	6.0	7.3	6.0	5.3	6.0
TRACER (BAR FA6 US1)	6.0	4.3	4.7	7.7	3.7	5.7	8.0	7.3	3.7	4.7	9.0	5.7	7.3	7.0	5.0	6.0
AZTEC II (TMI-AZ)	5.3	4.3	5.3	8.3	3.7	5.3	7.3	6.3	5.0	4.7	9.0	5.7	7.0	6.7	5.3	6.0
RENEGADE	7.0	4.3	4.7	7.7	4.0	5.3	6.0	7.3	4.7	5.0	9.0	5.7	7.0	6.3	5.3	6.0
SOUTHERN CHOICE	5.7	4.0	4.7	8.3	4.3	5.3	8.0	6.7	2.7	5.7	9.0	5.3	7.0	6.7	6.0	6.0
TF6 (BAR FA6 US6F)	5.3	3.7	4.7	8.0	4.7	5.7	7.7	7.0	4.3	4.7	9.0	5.7	7.0	6.7	5.3	6.0
JSC-1	6.0	4.3	5.0	7.7	4.0	5.3	6.0	6.7	5.0	5.0	9.0	5.7	7.0	6.7	5.7	5.9
OFI-96-32	4.7	4.3	4.0	8.0	4.0	5.7	7.0	7.3	4.3	5.3	9.0	5.7	7.3	6.7	5.7	5.9
COCHISE II	4.7	4.3	5.0	7.3	4.0	5.0	7.0	7.3	3.3	6.3	9.0	6.0	7.0	6.7	5.7	5.9
DURANA (MB 211)	6.0	4.7	4.7	8.3	4.0	6.3	7.7	6.3	2.7	4.0	9.0	5.7	7.7	6.7	5.0	5.9
BAR FA 6D	4.7	4.0	5.3	7.7	4.0	5.0	7.3	7.0	4.0	6.0	9.0	5.7	7.0	6.7	5.3	5.9
MB 216	6.7	4.3	4.7	8.3	3.3	5.3	7.7	6.7	4.7	3.3	9.0	6.0	6.7	7.0	5.0	5.9
PICK FA 15-92	5.7	4.3	5.3	7.3	4.3	7.0	7.7	7.0	3.0	4.3	8.7	5.3	6.7	6.7	5.3	5.9
R5AU	5.7	4.3	4.7	8.0	3.7	5.3	6.7	7.0	4.0	5.3	9.0	5.7	7.0	7.0	5.3	5.9
GOOD-EN (KOOS 96-14)	5.7	4.3	4.7	7.7	3.7	5.0	7.0	7.7	3.7	5.3	9.0	5.7	7.3	6.3	5.7	5.9
GLEN EAGLE (EC-101)	5.3	4.3	5.7	7.7	4.5	4.7	6.7	7.0	4.3	5.0	9.0	6.0	7.3	6.0	5.0	5.9
EQUINOX (TMI-N91)	5.7	4.7	5.0	7.7	3.7	5.0	6.3	7.0	4.3	6.0	9.0	5.7	7.0	6.0	5.3	5.9
OFI-931	5.3	4.7	5.3	7.0	2.7	5.0	7.7	7.3	4.0	5.0	9.0	6.0	7.0	6.7	5.7	5.9
ANTHEM II (TMI-FMN)	5.3	4.7	4.7	7.3	4.0	5.0	6.7	7.0	5.0	5.3	9.0	6.0	7.0	6.3	5.0	5.9
ATF-022	5.7	4.7	3.7	7.7	3.7	5.3	7.0	7.3	4.7	5.0	8.7	5.7	7.3	7.0	5.0	5.9
BANDANA (PST-R5AE)	5.7	4.3	5.0	7.7	3.3	5.7	7.3	6.7	3.3	5.0	9.0	5.7	7.0	7.3	5.3	5.9
FINELAWN PETITE	5.3	3.7	5.7	7.0	4.0	4.7	7.0	7.3	4.0	5.0	9.0	6.3	7.3	6.7	5.3	5.9
MB 29	5.3	4.3	4.3	7.7	3.3	7.3	7.7	7.3	3.3	3.7	9.0	5.7	7.3	6.7	5.3	5.9
SUNPRO	5.7	4.0	4.7	8.0	3.3	5.3	7.7	8.0	2.7	4.7	9.0	6.0	7.0	7.0	5.3	5.9
DUSTER	5.7	4.3	4.7	7.3	3.3	6.0	7.3	7.0	3.7	5.3	9.0	6.0	7.0	6.3	5.3	5.9
DP 50-9011	5.3	4.0	5.0	7.7	4.0	5.0	6.7	7.3	4.0	5.0	9.0	6.7	7.0	6.3	5.0	5.9
ISI-TF10	5.0	4.0	4.3	8.7	4.7	4.7	8.0	6.7	3.3	4.0	9.0	6.0	7.3	7.3	5.0	5.9
OLYMPIC GOLD (PST-5E5)	5.7	4.0	4.3	8.0	4.0	6.0	6.7	7.0	3.7	4.3	9.0	5.3	7.0	7.0	6.0	5.9
SCORPIO (ZPS-2PTF)	5.0	4.3	4.7	8.3	3.0	7.3	7.0	6.7	3.3	4.3	9.0	6.0	7.0	6.3	5.7	5.9
AV-1	5.7	5.3	5.0	8.7	4.0	3.3	5.7	6.7	5.3	5.0	9.0	6.0	6.3	6.3	5.7	5.9
MILLENNIUM (TMI-RBR)	5.0	3.7	5.0	8.0	3.7	5.3	7.0	7.0	3.3	4.7	9.0	6.0	8.0	7.0	5.3	5.9
BARRINGTON (BAR FA6D USA)	5.7	3.3	4.0	8.0	4.0	5.7	7.7	7.0	4.0	3.7	9.0	6.0	7.7	7.0	5.0	5.8
PST-5TO	5.7	4.3	5.7	7.3	4.0	5.0	7.3	6.3	3.0	6.0	9.0	5.3	7.0	6.7	5.0	5.8
TULSA	4.7	3.7	4.7	7.7	4.0	5.0	7.3	6.7	4.7	6.0	9.0	5.3	7.3	6.3	5.3	5.8
BAR FA 6LV	5.7	4.3	4.3	7.7	3.5	5.7	7.3	7.3	4.3	4.3	9.0	5.3	7.3	6.7	4.7	5.8
EMPRESS	6.0	4.3	5.0	7.3	4.0	4.7	7.3	7.3	2.3	5.0	9.0	6.0	6.7	6.7	5.7	5.8
TOMAHAWK-E	5.7	4.3	4.0	7.7	3.7	5.7	7.0	6.7	4.3	4.0	9.0	5.7	7.3	6.7	5.7	5.8
OFI-96-31	5.0	4.0	4.0	8.3	3.7	5.3	7.7	7.0	3.7	4.3	9.0	5.7	7.3	7.0	5.3	5.8
BONSAI	5.7	4.7	5.0	8.3	3.3	5.3	6.3	7.3	4.0	4.0	9.0	5.7	7.0	6.0	5.3	5.8
MB 214	5.7	4.7	4.0	7.7	3.0	5.7	7.7	7.0	3.3	5.0	9.0	5.0	8.0	7.0	4.3	5.8

TABLE 25. (CONT'D)

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS
 1999 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	IA1	IL1	IN1	KS2	MI1	MO3	NE1	NE2	NJ1	NJ2	OH1	OK1	VA1	VA4	WA1	MEAN
PSII-TF-10	6.0	3.3	5.3	7.0	3.7	4.7	7.0	7.0	4.3	5.0	9.0	5.3	7.0	6.7	5.3	5.8
KITTY HAWK S.S.T. (SS45DW)	5.3	4.0	4.7	7.3	4.0	5.0	7.3	7.0	3.7	5.0	9.0	5.3	7.0	6.3	5.7	5.8
PICK FA 20-92	6.3	3.7	4.0	7.7	3.0	5.3	8.0	7.0	3.0	4.7	9.0	6.0	7.0	6.7	5.3	5.8
PICK FA XK-95	5.7	4.0	4.0	7.7	3.7	5.3	7.7	6.7	4.0	5.0	9.0	6.0	6.7	6.3	5.0	5.8
TAR HEEL	5.7	4.0	4.0	7.3	4.0	5.3	7.0	7.0	4.0	5.7	9.0	5.7	7.3	6.0	4.7	5.8
ARID 3 (J-98)	5.0	4.0	4.0	7.7	3.0	6.7	8.3	8.0	2.3	4.0	9.0	5.0	7.0	7.3	5.0	5.8
MB 213	5.7	4.0	3.7	8.3	4.0	6.0	7.0	7.0	2.7	4.0	9.0	5.3	7.7	7.0	4.7	5.7
SRX 8084	5.3	3.7	4.3	7.3	5.0	5.0	6.0	7.0	3.7	5.0	9.0	5.7	6.7	6.7	5.7	5.7
BULLDAWG (PICK GA-96)	5.3	4.0	4.7	7.3	3.3	5.0	7.3	7.3	3.0	4.7	9.0	5.7	6.7	7.3	5.3	5.7
ISI-TF11	5.3	4.0	5.0	7.0	4.0	5.3	7.0	7.0	3.3	4.0	9.0	5.7	7.3	6.7	5.3	5.7
SHORTSTOP II	6.3	3.7	4.0	8.0	3.3	5.7	7.3	6.7	3.0	4.0	9.0	5.7	7.3	7.0	5.0	5.7
APACHE II	5.7	4.7	4.3	7.7	3.0	5.0	7.3	6.3	3.7	5.0	9.0	5.3	7.3	6.3	5.3	5.7
BRANDY (J-101)	5.7	4.0	3.7	8.3	3.0	5.7	7.3	7.3	2.7	3.7	9.0	5.7	7.7	7.3	4.7	5.7
CORONADO GOLD (EST-5RT)	5.0	4.3	4.7	7.7	4.0	4.3	6.7	7.0	2.7	5.3	9.0	5.7	7.0	6.7	5.7	5.7
MB 215	5.7	4.0	4.7	7.3	3.3	4.7	8.0	7.0	3.3	3.3	9.0	6.0	7.3	7.0	5.0	5.7
MB 28	5.7	4.0	3.7	7.3	3.7	6.0	7.3	7.3	3.0	4.3	9.0	5.3	7.0	6.7	5.3	5.7
TWILIGHT II (TMI-TW)	5.0	3.3	4.0	8.3	3.3	6.3	7.0	7.7	3.0	4.0	9.0	5.3	7.7	6.7	5.0	5.7
ATF-020	4.7	4.0	4.0	8.3	3.0	6.3	7.0	6.3	4.0	4.3	8.7	5.3	7.0	6.7	5.7	5.7
ATF-257	5.0	3.3	4.0	8.0	3.0	5.3	6.7	7.0	3.3	5.7	9.0	5.7	7.7	6.7	5.0	5.7
MB 26	4.7	3.3	4.0	7.7	3.3	6.7	7.7	7.3	3.0	4.0	9.0	5.7	7.3	6.7	5.0	5.7
PRO 8430	5.7	4.0	5.3	7.7	3.3	6.0	6.3	6.0	3.0	4.3	9.0	6.0	7.3	6.0	5.3	5.7
VELOCITY (AA-983)	5.3	3.3	3.7	8.0	3.3	6.3	7.3	7.3	3.0	3.3	9.0	5.3	7.7	7.0	5.3	5.7
WYATT (ATF-188)	5.7	4.0	4.7	8.0	3.7	4.7	7.3	6.7	3.3	5.0	9.0	5.7	7.0	6.3	4.3	5.7
ARIZONA (PICK FA 6-91)	5.0	4.3	4.3	8.7	3.3	5.3	8.3	7.0	3.0	3.0	9.0	5.3	7.3	6.0	5.3	5.7
ARID II (J-3)	5.3	4.0	3.7	8.3	3.3	6.0	7.3	7.0	3.0	4.0	9.0	5.0	7.7	6.7	4.7	5.7
ATF-253	4.7	3.7	4.0	8.3	3.0	5.7	7.7	7.0	3.3	4.3	9.0	5.7	7.0	6.0	5.7	5.7
PICK FA UT-93	5.3	4.0	3.7	8.3	3.3	6.7	7.7	7.3	3.0	3.3	8.7	5.3	7.0	6.7	4.7	5.7
COYOTE	5.3	3.7	4.0	7.7	3.3	5.7	7.0	7.7	2.0	4.7	9.0	6.0	7.7	6.0	5.3	5.7
REBEL 2000 (AA-989)	5.0	4.3	4.3	8.3	2.7	5.3	7.7	7.0	3.3	3.7	9.0	5.7	7.0	6.3	5.3	5.7
LION	5.7	4.3	4.0	7.0	4.3	5.3	7.3	6.7	3.0	4.3	9.0	6.0	7.0	6.0	4.7	5.6
FINELAWN 5LZ (ZPS-5LZ)	5.7	4.0	4.0	8.0	3.0	6.3	7.3	6.0	2.7	3.7	9.0	6.0	7.0	6.7	5.0	5.6
ALAMO E	5.7	3.7	4.0	8.0	3.3	5.3	7.7	7.0	2.3	3.7	9.0	5.7	7.0	6.7	5.0	5.6
ARABIA (J-5)	6.0	3.3	3.3	7.7	3.0	5.7	7.7	7.7	2.0	4.0	9.0	5.7	7.0	6.7	5.0	5.6
DOMINION (PST-5M5)	5.7	3.3	4.3	7.3	3.7	4.7	7.0	7.3	3.0	4.3	9.0	5.7	7.0	6.0	5.3	5.6
WILDFIRE (ATF-196)	6.3	4.0	3.7	7.7	3.7	5.0	7.0	6.7	3.0	4.7	9.0	4.7	7.3	5.7	5.0	5.6
AXIOM (ATF-192)	4.7	4.7	4.7	7.7	3.0	5.0	6.3	6.7	2.7	4.3	9.0	6.0	7.0	6.7	4.7	5.5
SRX 8500	5.3	4.0	4.0	7.0	3.3	4.3	7.7	7.0	2.7	3.7	9.0	6.0	7.0	6.3	5.0	5.5
PICK FA N-93	5.0	3.3	3.7	7.7	2.7	5.7	8.0	7.0	2.3	3.3	9.0	5.7	7.3	6.3	5.0	5.5
EA 41	4.7	3.7	3.3	7.7	2.7	6.0	7.0	7.0	3.0	3.7	9.0	5.7	7.0	5.7	5.0	5.4
WX3-275	5.0	3.0	3.3	7.7	3.7	5.7	6.7	7.0	2.0	2.7	9.0	5.3	6.7	6.0	5.0	5.2
LSD VALUE	1.5	1.0	1.1	1.2	1.2	1.5	0.9	1.1	1.6	1.4	0.3	0.8	0.7	0.8	0.9	0.3
C.V. (%)	16.4	14.4	14.3	9.2	19.2	17.6	8.1	9.8	25.0	17.6	2.1	8.7	6.5	7.6	10.8	11.8

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

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

TABLE 26.

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ARI	CA1	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	MI1	MO3	NE1	NE2	NJ2	OH1	OK1	VA1	WA1	MEAN
GAZELLE	7.7	7.7	7.0	8.0	6.0	7.7	7.0	6.7	8.7	6.7	6.3	7.7	8.0	7.3	7.0	6.7	7.3	8.0	3.0	7.1
PICK RT-95	8.3	6.7	7.7	6.7	6.3	8.0	6.0	7.3	8.0	7.0	6.0	7.0	9.0	6.7	7.3	7.0	7.3	7.3	3.3	7.0
MASTERPIECE (LTP-SD-TF)	6.7	6.7	8.0	7.7	6.3	7.3	6.7	6.7	8.0	7.0	6.3	6.3	8.7	7.7	7.0	7.0	7.0	6.7	3.0	6.9
SCORPIO (ZPS-2PTF)	7.3	8.0	7.7	7.0	5.7	7.7	6.7	6.7	8.0	7.0	6.3	5.7	8.3	7.0	6.3	6.7	7.0	7.3	3.0	6.8
REMBRANDT (LTP-4026 E+)	8.3	7.7	7.0	6.3	5.7	8.0	6.7	7.0	7.7	6.7	6.3	6.0	8.7	6.7	6.0	7.0	7.0	7.3	3.0	6.8
JAGUAR 3	6.7	7.3	7.3	6.0	5.3	7.3	6.7	6.7	8.3	6.7	7.0	6.0	8.7	7.3	6.7	7.3	7.0	8.0	2.3	6.8
TRACER (BAR FA6 US1)	7.3	6.7	6.7	6.7	5.7	6.0	7.0	7.3	9.0	6.3	6.7	7.0	8.3	7.7	6.3	7.0	7.0	6.7	3.0	6.8
SRX 8500	7.0	6.3	6.3	6.7	5.7	7.7	6.3	7.7	8.7	6.3	6.0	6.7	8.3	8.0	6.7	6.7	7.3	7.3	2.7	6.8
BARRINGTON (BAR FA6D USA)	7.7	6.7	7.3	7.3	6.0	6.0	6.0	7.0	8.3	6.7	6.3	6.7	8.3	7.7	5.0	7.0	7.0	8.0	3.0	6.7
WILDFIRE (ATF-196)	8.0	6.7	7.7	7.0	6.0	7.3	6.0	6.3	7.0	6.0	6.7	7.3	8.3	7.0	7.0	7.0	7.0	6.0	3.0	6.7
WYATT (ATF-188)	6.0	7.0	7.3	6.3	5.3	6.3	7.0	6.7	8.3	6.7	6.7	5.7	9.0	7.7	7.0	6.3	7.0	7.0	3.0	6.6
BULLDAWG (PICK GA-96)	7.7	6.7	7.3	6.7	5.7	5.7	6.3	6.3	8.0	6.7	6.7	6.7	7.3	7.7	6.7	7.3	7.0	7.0	2.7	6.6
BAR FA 6LV	8.0	6.3	7.5	6.3	6.0	6.7	6.3	7.3	8.7	6.0	6.0	5.7	8.7	7.3	5.0	7.3	7.0	7.3	2.3	6.6
COYOTE	8.3	6.7	6.7	6.3	5.7	6.3	6.0	7.0	8.0	6.3	6.0	6.3	8.3	7.7	6.0	7.0	7.0	7.3	2.7	6.6
CU9502T	6.3	7.3	7.0	7.3	5.7	5.7	6.3	7.0	8.3	6.3	6.0	6.0	8.7	6.7	5.7	7.0	7.0	7.7	3.3	6.6
ARID 3 (J-98)	7.3	6.3	7.5	7.0	5.7	5.7	6.0	7.0	7.3	6.3	6.3	6.7	8.3	8.3	5.3	7.3	7.3	6.3	3.0	6.6
BAR FA 6D	7.0	6.0	7.0	6.3	6.0	5.7	6.7	7.7	8.0	6.7	5.5	6.0	8.7	7.0	5.3	7.0	7.0	8.0	3.3	6.6
WATCHDOG (PICK FA B-93)	7.0	6.7	6.7	6.3	5.3	6.7	7.0	7.0	7.7	6.3	6.0	6.0	8.3	7.3	6.3	7.0	7.0	7.0	3.0	6.6
CROSSFIRE II	6.3	6.7	7.3	7.3	5.7	6.3	6.0	6.7	7.3	6.7	6.0	6.0	8.7	7.3	6.0	7.3	7.0	7.0	2.3	6.5
OFI-931	7.0	5.7	6.7	6.7	6.0	6.7	6.7	7.0	7.3	6.3	6.3	6.7	7.7	7.0	5.3	7.0	7.0	7.7	2.7	6.5
PICK FA XK-95	7.7	6.3	6.7	7.0	5.7	4.7	6.0	6.3	8.0	6.0	6.0	6.7	7.7	7.3	7.3	7.0	7.0	7.3	2.7	6.5
MILLENNIUM (TMI-RBR)	7.7	6.3	6.5	6.0	5.7	6.7	6.7	7.0	8.7	6.0	6.5	5.7	8.0	6.0	6.0	6.7	7.0	7.3	3.0	6.5
MB 26	7.7	6.0	6.5	5.7	5.7	6.7	5.3	6.7	7.7	6.3	7.0	5.7	8.7	7.3	5.7	6.7	7.0	8.0	3.0	6.5
MUSTANG II	7.7	6.7	7.3	6.7	6.0	7.0	6.3	6.3	7.0	6.0	6.5	5.3	8.7	7.7	5.3	7.0	7.0	6.0	2.7	6.5
FINELAWN 5LZ (ZPS-5LZ)	7.0	7.0	7.3	6.0	6.0	6.3	6.0	7.3	7.3	6.0	6.3	7.0	7.7	6.7	6.0	7.0	7.0	6.7	2.3	6.5
BARRERA (BAR FA6 US3)	7.7	6.3	6.0	6.3	6.0	6.0	6.3	6.7	8.3	6.3	6.0	6.0	8.7	6.3	6.0	7.0	7.0	7.3	2.7	6.5
SHENANDOAH II (WRS2)	6.0	6.0	7.3	6.7	6.0	7.0	6.0	6.7	8.0	6.3	6.7	6.0	8.0	7.3	6.0	7.3	7.0	6.0	2.7	6.5
ATF-257	6.7	6.3	7.0	6.3	6.3	7.7	6.3	6.7	7.7	6.3	6.3	5.7	7.3	7.0	5.3	7.0	7.0	7.3	2.7	6.5
SUNPRO	8.3	6.3	7.0	7.3	5.3	5.7	5.7	6.7	7.7	6.0	6.3	6.0	8.0	7.3	6.0	7.0	7.0	6.7	2.3	6.5
BONSAI 2000 (BULLET)	6.0	7.3	6.7	5.7	5.3	7.3	6.3	7.0	8.3	6.3	5.5	5.7	8.0	7.7	6.3	7.0	7.0	6.3	2.7	6.4
SHORTSTOP II	7.0	6.3	7.0	6.7	5.3	6.3	5.7	7.0	8.0	6.3	6.0	6.7	8.0	7.7	5.3	6.7	7.0	6.7	2.7	6.4
BANDANA (PST-R5AE)	6.3	6.7	7.3	6.7	5.3	6.0	6.0	7.0	7.7	6.3	6.7	6.0	7.3	7.7	6.0	7.3	7.0	6.7	2.3	6.4
TULSA	6.7	7.0	6.0	7.0	5.3	6.7	6.0	7.0	6.7	6.3	6.3	6.3	8.7	7.0	6.0	6.7	7.0	6.7	3.0	6.4
OFI-951	7.0	6.0	7.0	6.7	5.7	7.0	6.7	7.0	7.3	6.3	6.0	6.0	8.0	7.0	5.0	6.3	7.0	7.0	3.0	6.4
PLANTATION (PENNINGTON-1901)	7.7	7.0	7.0	5.7	5.0	6.0	6.0	6.7	7.3	6.0	6.0	5.3	8.3	7.7	6.3	6.7	7.3	7.0	2.7	6.4
WOLFPACK (PST-R5TK)	6.0	7.0	6.5	6.7	5.3	6.0	6.3	6.7	8.7	6.3	6.3	5.0	7.3	7.7	6.3	7.0	7.0	7.0	2.3	6.4
MB 212	6.3	7.3	7.0	6.3	5.3	5.3	6.3	6.7	8.0	6.3	6.0	6.0	7.7	6.3	5.7	6.7	7.0	8.0	3.0	6.4
BRANDY (J-101)	7.3	6.7	6.7	6.3	5.0	6.3	6.0	6.3	7.0	6.3	6.5	5.7	8.0	7.7	5.7	7.0	7.0	7.0	2.7	6.4
EMPRESS	6.3	6.0	7.0	6.3	6.0	6.0	6.3	6.3	8.7	6.7	6.0	6.0	7.7	7.0	5.7	6.7	7.0	6.7	2.7	6.4
ANTHEM II (TMI-FMN)	6.7	7.0	6.5	6.3	5.3	6.7	6.0	6.7	7.7	6.3	6.0	5.7	7.3	6.7	5.3	6.7	7.0	7.3	3.3	6.3
COCHISE II	7.3	6.3	7.5	6.7	5.7	5.0	6.0	6.3	6.7	6.0	6.3	5.7	7.3	8.0	5.3	6.7	7.0	7.3	3.0	6.3
OFI-FWY	6.7	5.7	6.3	5.7	5.3	6.0	6.0	7.0	7.7	6.0	6.3	6.0	8.3	8.3	4.7	6.7	7.0	7.7	2.7	6.3
PICK FA 15-92	7.0	6.3	7.0	7.3	5.3	5.3	6.3	6.3	6.7	5.7	6.0	7.0	8.3	7.0	5.0	6.7	7.0	7.0	2.7	6.3
PST-5TO	7.0	7.0	7.0	7.0	5.3	5.0	6.0	7.0	7.3	5.7	6.3	6.3	8.0	7.3	6.0	7.0	7.0	5.3	2.3	6.3

TABLE 26. (CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS
1999 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	ARI	CA1	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	MI1	MO3	NE1	NE2	NJ2	OH1	OK1	VA1	WA1	MEAN
RED COAT (ATF-038)	6.7	6.7	6.3	6.0	5.0	6.3	7.0	6.7	7.7	6.7	6.7	5.3	7.3	7.7	4.3	7.0	7.0	7.3	2.3	6.3
ATF-022	7.0	6.0	6.5	6.7	6.0	6.7	5.7	7.0	6.7	6.0	6.3	5.0	8.0	6.7	6.0	7.0	7.0	7.3	2.3	6.3
ONCUE (PST-523)	6.3	6.7	6.3	5.7	6.3	7.0	6.0	6.3	8.0	6.0	6.3	5.7	7.3	6.7	5.3	7.3	7.0	6.7	2.7	6.3
PICK FA N-93	5.7	6.3	6.7	7.7	5.3	5.7	5.7	6.3	7.7	6.7	6.0	6.3	7.7	7.3	5.7	6.7	7.3	6.7	2.3	6.3
EA 41	6.3	6.7	6.5	6.7	5.7	6.7	6.0	7.0	7.0	6.0	6.0	6.3	7.3	6.7	4.7	7.0	7.0	6.7	3.0	6.3
AZTEC II (TMI-AZ)	6.7	7.7	7.0	6.0	5.7	5.3	6.7	7.0	7.3	6.0	6.0	5.3	7.3	6.3	5.3	6.3	7.0	7.0	3.0	6.3
SR 8210	6.3	6.3	6.7	6.0	5.0	6.0	6.0	6.7	7.7	6.7	6.0	7.0	7.7	6.7	6.0	7.0	7.0	6.0	2.3	6.3
DP 50-9011	6.3	6.7	6.5	7.0	5.3	5.3	5.7	6.3	7.7	7.0	5.5	7.0	7.0	6.3	4.3	6.7	7.0	8.0	3.0	6.2
PRO 8430	6.0	6.7	7.3	6.7	6.0	6.7	6.0	6.3	7.3	6.3	6.0	5.3	7.0	6.3	6.0	7.0	7.0	6.3	2.3	6.2
WX3-275	6.3	6.0	6.5	6.7	6.3	5.7	5.3	6.7	7.3	6.0	6.3	5.7	7.3	8.0	5.0	6.7	7.0	7.3	2.3	6.2
APACHE II	7.7	6.0	8.0	5.7	6.0	4.7	6.0	6.3	7.3	6.0	6.3	4.7	7.7	8.0	5.3	7.0	7.0	6.7	2.0	6.2
JTTFA-96	6.3	7.0	7.0	5.7	5.0	5.7	6.0	6.3	7.3	7.0	7.0	4.7	6.3	7.0	6.0	7.0	7.3	7.0	2.7	6.2
PICK FA UT-93	6.7	6.3	6.3	7.0	4.3	3.7	6.3	6.3	6.7	5.7	6.7	7.0	8.0	8.0	5.3	7.0	7.0	7.3	2.7	6.2
REBEL SENTRY (AA-A91)	6.3	6.0	6.7	6.3	5.7	6.7	6.3	5.7	6.3	6.7	6.0	7.0	8.0	7.3	5.3	6.7	7.0	6.3	2.0	6.2
ARIZONA (PICK FA 6-91)	7.0	5.7	6.3	7.0	6.0	5.7	5.7	6.7	6.3	6.0	6.0	5.7	7.7	6.7	5.7	6.3	7.0	7.7	3.0	6.2
BAR FA6 US2U	7.0	5.7	6.7	7.0	5.7	5.0	5.7	7.0	7.3	6.0	6.3	5.3	8.7	7.7	4.7	7.0	7.0	6.0	2.3	6.2
DOMINION (PST-5M5)	6.7	6.3	7.0	6.3	5.7	6.7	5.3	6.3	7.0	6.0	6.7	5.7	8.0	7.0	4.7	6.7	7.0	6.3	2.3	6.2
OLYMPIC GOLD (PST-5E5)	7.0	6.3	7.0	5.7	5.0	5.7	6.0	7.0	7.7	6.0	6.0	5.7	7.0	6.0	6.7	7.0	7.0	7.0	2.0	6.2
PICK FA 20-92	6.0	5.7	6.5	6.3	5.3	5.0	6.3	6.0	6.7	6.3	6.7	5.7	8.7	6.3	6.7	6.7	7.0	6.7	3.0	6.2
ALAMO E	6.7	6.7	6.3	6.0	5.0	5.7	6.0	6.7	6.3	6.0	6.0	5.0	7.7	7.0	6.3	7.3	7.0	6.7	3.0	6.2
CU9501T	5.7	6.7	6.7	5.7	5.7	5.0	5.3	6.7	8.0	6.3	6.3	5.3	8.7	7.7	5.0	7.3	7.0	5.7	2.7	6.2
CORONADO	6.3	6.0	6.7	7.0	5.3	5.7	6.0	6.7	6.7	6.0	6.0	6.0	7.3	6.7	5.0	7.0	7.0	7.3	2.7	6.2
TOMAHAWK-E	6.3	6.0	6.5	6.0	5.3	5.3	5.3	7.3	7.3	6.3	6.7	6.0	8.3	6.7	5.0	6.7	7.0	6.7	2.3	6.2
R5AU	7.0	6.3	7.0	6.0	5.0	6.7	6.0	7.0	6.3	6.0	6.0	5.3	8.0	6.7	4.7	6.7	7.0	7.0	2.3	6.2
MB 29	7.0	5.7	6.0	6.0	5.3	5.3	5.7	7.0	8.7	5.7	6.3	5.7	7.0	7.0	5.0	7.3	7.0	6.7	2.7	6.2
RESERVE (ATF-182)	7.7	6.7	6.0	6.0	5.0	7.0	5.7	6.3	6.7	6.3	6.0	5.3	7.3	6.7	5.0	7.0	7.0	7.3	2.0	6.2
TF6 (BAR FA6 US6F)	6.0	5.7	6.7	6.0	5.3	5.0	6.0	7.3	7.7	6.0	6.0	6.0	7.7	7.0	5.3	7.0	7.0	6.3	2.7	6.1
OFI-96-31	5.7	5.7	6.3	6.0	6.0	5.3	5.7	6.0	7.0	5.7	6.0	6.3	7.3	7.3	5.0	7.3	7.0	8.3	2.7	6.1
DUSTER	6.3	6.3	6.7	6.3	5.3	4.7	6.0	7.0	6.7	6.3	6.5	4.7	7.0	8.0	5.3	7.0	7.0	6.7	2.7	6.1
DURANA (MB 211)	6.0	5.3	6.3	6.7	5.7	6.0	6.0	6.7	7.7	6.0	6.3	5.7	7.7	6.0	5.0	6.7	7.0	7.3	2.3	6.1
TAR HEEL	7.0	6.7	7.3	6.3	5.0	5.3	5.7	6.3	7.7	6.0	6.0	5.0	7.0	6.3	6.0	7.0	7.0	6.7	2.0	6.1
MB 213	6.7	5.0	6.7	7.7	5.7	5.7	5.3	6.0	6.3	5.7	6.7	6.3	7.0	7.0	4.3	6.7	7.0	7.7	2.7	6.1
REGIMENT	7.0	6.7	6.0	6.0	5.3	6.0	6.0	7.0	5.7	6.0	6.0	5.3	7.0	7.0	5.3	7.0	7.0	7.0	2.7	6.1
ISI-TF9	6.0	7.0	6.5	5.7	5.3	6.0	5.3	6.3	7.3	5.7	6.3	5.3	7.0	7.3	5.7	6.7	7.0	7.3	2.0	6.1
ATF-020	6.3	6.7	6.0	6.0	5.3	6.7	5.3	6.3	6.7	6.3	6.0	5.7	8.3	5.3	6.0	7.0	7.0	6.7	2.0	6.1
ATF-253	7.0	6.3	6.3	5.7	5.0	7.0	5.3	6.3	7.0	6.0	6.0	5.3	7.3	7.3	5.0	7.7	7.0	5.3	2.7	6.1
MB 214	6.3	6.0	6.0	6.0	6.0	5.0	5.3	6.7	6.3	6.0	6.3	5.3	8.0	8.0	5.0	7.0	7.0	7.3	2.0	6.1
ARABIA (J-5)	6.3	6.3	6.0	6.3	6.3	5.7	6.0	6.3	6.7	6.0	5.7	6.0	7.7	7.3	4.3	7.0	7.0	6.3	2.3	6.1
ARID II (J-3)	5.7	5.7	7.0	6.7	5.0	6.3	6.0	6.0	6.3	6.0	6.0	5.7	8.0	6.3	6.0	6.3	7.0	6.3	2.7	6.1
PIXIE E+	6.3	5.7	6.3	7.3	4.7	5.3	5.7	6.3	6.3	6.0	6.3	5.3	7.3	7.3	5.0	7.3	7.0	6.3	2.7	6.0
ISI-TF11	6.0	6.3	6.7	6.0	5.3	5.3	5.0	6.3	7.0	5.7	6.0	5.7	6.0	7.7	5.7	7.7	7.0	6.7	2.0	6.0
SOUTHERN CHOICE	6.0	5.7	6.3	5.7	5.7	6.3	6.0	6.0	6.3	6.0	5.7	5.0	7.3	7.7	5.7	7.0	7.0	6.0	2.7	6.0
BRAVO (RG-93)	6.3	7.0	6.0	6.0	5.0	5.7	5.7	6.3	6.0	6.3	6.7	5.7	6.7	7.0	4.7	7.3	7.0	6.3	2.3	6.0
SRX 8084	5.7	7.0	6.3	6.7	5.3	4.7	5.0	6.7	7.0	6.0	6.3	5.3	6.7	7.0	5.3	7.0	7.0	6.0	2.7	6.0
CORONADO GOLD (PST-5RT)	5.7	6.3	7.3	6.3	6.0	4.7	5.7	6.7	7.0	6.0	6.3	5.3	7.0	6.3	5.3	7.0	7.0	5.3	2.3	6.0

TABLE 26. (CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS
1999 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	ARI	CA1	GA1	IA1	IL1	IL2	IN1	KS2	KY1	MD1	MI1	MO3	NE1	NE2	NJ2	OH1	OK1	VA1	WA1	MEAN
FALCON II	6.3	5.7	6.3	5.7	5.0	4.7	6.0	6.3	6.7	6.0	6.0	5.3	7.7	6.3	5.0	7.7	7.0	7.3	2.3	6.0
KITTY HAWK S.S.T. (SS45DW)	6.0	5.7	6.0	7.0	5.0	5.3	5.7	6.3	6.7	6.0	6.3	5.3	7.0	7.3	5.0	7.3	7.0	6.3	2.0	6.0
MB 215	6.0	6.0	6.7	5.7	5.0	5.0	5.3	6.3	7.0	6.0	6.0	5.7	7.3	6.7	4.0	7.7	7.0	7.7	2.0	5.9
SHENANDOAH	6.3	5.0	6.5	6.0	5.3	6.0	5.3	6.3	6.3	6.0	6.0	5.3	7.0	7.7	5.0	7.0	7.0	6.3	2.3	5.9
BONSAI	5.3	5.7	6.5	6.0	4.7	5.3	5.0	6.3	7.0	6.0	6.0	6.0	7.7	7.7	4.0	7.0	7.0	6.7	2.7	5.9
GLEN EAGLE (EC-101)	6.3	5.7	6.7	5.3	4.7	4.3	5.0	6.0	8.0	6.0	6.0	5.7	8.0	6.3	4.7	7.0	7.0	7.3	2.3	5.9
PEDESTAL (PC-AO)	5.3	5.3	6.3	6.0	5.0	4.3	5.3	6.0	7.7	6.0	6.0	5.0	7.3	8.3	4.3	7.3	7.0	7.0	2.3	5.9
SAFARI	5.7	5.7	7.0	5.3	4.7	5.0	6.0	6.7	7.7	6.0	6.3	4.7	7.0	7.0	5.3	7.0	7.0	6.3	1.7	5.9
MB 216	6.3	5.0	6.0	6.0	6.0	5.0	5.7	6.0	6.3	5.0	7.0	6.3	7.7	7.3	3.7	7.7	7.0	5.7	2.0	5.9
AIRLIE (MB 210)	6.0	6.0	6.3	7.0	5.0	5.3	5.0	6.7	6.7	5.7	6.0	5.0	7.0	6.3	5.3	7.0	7.0	6.0	2.3	5.9
MARKSMAN	7.0	5.3	6.7	6.3	5.0	4.0	5.0	6.3	7.3	6.0	6.0	4.7	7.7	6.7	4.7	7.3	7.0	6.3	2.0	5.9
VELOCITY (AA-983)	6.3	5.7	6.0	6.0	5.7	5.0	5.7	6.3	6.0	5.7	6.3	6.0	7.7	5.7	5.3	7.3	7.0	5.0	2.3	5.8
GENESIS	5.7	5.3	6.7	6.0	5.0	5.0	6.0	6.3	7.0	6.0	.	5.0	7.0	6.3	3.7	7.3	7.0	7.0	2.7	5.8
GOOD-EN (KOOS 96-14)	6.0	5.7	6.7	5.3	5.0	5.0	4.7	6.0	5.7	6.0	6.0	4.7	7.3	7.7	4.7	7.7	7.0	7.3	2.0	5.8
TWILIGHT II (TMI-TW)	5.7	6.3	5.7	6.7	5.0	5.7	5.3	6.3	6.0	6.0	6.0	5.3	6.7	6.3	4.3	7.3	7.0	6.3	2.3	5.8
ISI-TF10	7.0	5.3	6.3	6.0	5.3	5.0	5.7	6.3	5.7	5.3	5.3	5.3	6.3	6.7	5.0	7.0	7.0	7.3	2.0	5.8
TITAN 2	5.3	5.0	6.3	6.0	5.3	5.7	5.7	6.0	6.3	6.0	6.3	5.0	6.7	6.7	5.0	7.0	7.0	6.3	2.3	5.8
MB 28	5.3	5.7	6.0	6.0	5.3	6.0	5.0	6.0	6.3	5.7	6.0	5.3	7.0	7.3	4.7	7.3	7.0	5.7	2.0	5.8
CHAPEL HILL (TA-7)	5.3	5.3	6.0	6.0	5.3	5.0	5.3	6.3	7.3	5.7	6.3	5.3	7.7	6.0	3.3	7.3	7.0	6.7	2.0	5.8
REBEL 2000 (AA-989)	5.3	5.0	6.5	6.0	4.7	5.3	5.3	6.0	5.7	5.7	6.5	5.7	7.3	6.0	4.3	7.0	7.0	6.7	2.3	5.7
LION	6.0	5.3	6.3	6.7	5.7	5.3	5.0	6.0	6.0	5.7	6.0	4.7	7.0	6.7	4.0	7.0	7.0	5.3	2.3	5.7
OFI-96-32	5.3	5.7	6.7	5.7	5.3	5.0	5.0	6.0	6.0	6.0	6.7	5.0	6.3	7.0	3.3	7.0	7.0	6.7	2.0	5.7
PSII-TF-10	5.7	5.7	6.0	6.0	5.0	5.0	5.0	6.3	5.3	5.7	6.3	4.3	7.0	7.7	4.3	7.0	7.0	6.0	2.3	5.7
JSC-1	4.7	5.3	6.0	5.7	5.0	3.7	5.0	5.7	7.3	6.0	6.3	5.3	7.0	7.0	4.0	7.3	7.0	7.0	2.0	5.6
FINELAWN PETITE	5.7	5.0	6.3	6.3	4.3	4.7	5.0	6.0	6.0	5.7	6.7	6.0	6.7	6.3	3.3	8.0	7.0	6.3	2.0	5.6
RENEGADE	5.7	5.0	6.3	6.3	5.3	4.7	4.7	6.0	6.7	5.7	6.7	4.3	7.0	7.7	3.3	7.0	7.0	6.0	2.0	5.6
COMSTOCK (SSDE31)	6.0	5.3	6.0	5.3	5.3	4.3	5.3	6.3	6.7	5.7	6.0	5.0	6.7	6.7	3.0	7.3	7.0	6.7	2.3	5.6
HELIX (WVPB-1D)	7.3	5.7	6.3	5.3	4.3	3.7	4.7	6.0	5.7	6.0	6.0	4.0	7.3	7.3	4.7	7.3	7.0	6.0	2.3	5.6
WPEZE (WVPB-1C)	5.7	5.7	7.0	6.3	4.7	3.7	5.3	6.0	7.0	5.7	6.0	4.7	7.3	6.0	3.7	7.3	7.0	5.7	2.0	5.6
LEPRECHAUN	6.0	5.0	6.3	5.0	5.7	5.0	5.0	6.0	6.7	6.0	5.7	5.7	6.3	5.0	5.0	7.0	7.0	6.0	2.3	5.6
AXIOM (ATF-192)	6.7	5.7	6.0	6.0	5.0	5.0	5.3	6.0	5.7	6.3	5.5	4.0	6.0	5.7	5.0	7.3	7.0	6.3	2.0	5.6
WVPB-1B	5.7	5.0	6.0	5.7	4.7	4.7	5.3	6.0	6.3	5.7	6.0	5.7	7.0	5.7	4.3	7.3	7.0	6.3	2.0	5.6
PSII-TF-9	5.3	5.0	6.0	5.3	5.0	5.7	5.0	6.0	6.3	6.0	5.7	4.3	5.3	7.0	4.3	7.0	7.0	6.7	2.0	5.5
EQUINOX (TMI-N91)	4.7	6.0	6.3	5.3	4.3	4.7	5.3	6.3	5.7	6.0	6.0	4.3	6.3	6.3	5.0	7.0	6.7	6.0	2.0	5.5
JTTF-96	4.7	5.7	6.3	6.0	4.7	4.0	5.3	6.7	6.7	5.3	6.0	4.0	6.3	7.0	4.3	7.0	7.0	5.3	1.7	5.5
DLF-1	5.3	5.7	5.7	5.7	5.3	3.7	4.3	6.3	5.7	5.3	7.0	5.3	5.7	5.0	3.7	7.0	7.0	8.3	1.7	5.5
ARID	5.3	4.7	6.0	5.7	4.7	4.0	5.0	5.3	6.7	6.0	5.7	4.7	5.3	6.0	2.7	7.3	6.7	6.7	1.7	5.3
AV-1	5.7	5.3	5.7	5.3	5.3	2.7	4.0	5.7	5.7	5.3	6.3	3.3	5.3	6.3	3.7	7.0	7.0	7.7	1.7	5.2
DP 7952	4.7	5.3	5.7	6.0	4.3	3.0	4.7	6.3	6.3	6.0	5.7	3.3	5.3	6.7	2.0	7.0	6.3	4.3	1.7	5.0
KENTUCKY-31 W/ENDO.	3.3	1.0	5.0	4.0	3.3	1.3	3.0	4.0	4.0	3.3	5.5	1.3	3.0	5.0	1.0	8.0	5.0	3.0	1.0	3.4
LSD VALUE	1.6	1.1	1.1	1.4	1.2	1.7	0.9	0.9	1.4	0.7	1.0	1.4	1.1	1.7	1.6	0.8	0.3	1.4	0.9	0.3
C.V. (%)	15.3	11.6	9.7	13.4	14.0	18.6	9.8	8.7	12.0	6.8	9.7	15.5	9.2	15.1	19.8	7.2	2.3	13.0	21.7	12.4

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 27.

 SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
 1999 DATA

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

NAME	MO3	NE1	NE2	OK1	MEAN	NAME	MO3	NE1	NE2	OK1	MEAN
PICK RT-95	8.0	9.0	8.7	7.7	8.3	PRO 8430	6.3	8.0	9.0	7.0	7.6
CROSSFIRE II	7.3	8.7	8.7	7.7	8.1	PST-5TO	6.3	7.7	9.0	7.3	7.6
MASTERPIECE (LTP-SD-TF)	7.0	8.7	9.0	7.7	8.1	TRACER (BAR FA6 US1)	6.0	8.3	8.7	7.3	7.6
JAGUAR 3	7.7	9.0	8.3	7.0	8.0	WILDFIRE (ATF-196)	6.0	8.7	8.7	7.0	7.6
PICK FA 20-92	7.3	8.7	8.7	7.3	8.0	APACHE II	5.0	9.0	9.0	7.0	7.5
PLANTATION (PENNINGTON-1901)	7.7	8.7	7.7	7.7	7.9	BRAVO (RG-93)	7.0	7.3	8.7	7.0	7.5
REMBRANDT (ITP-4026 E+)	6.7	9.0	8.3	7.7	7.9	FINELAWN 5LZ (ZPS-5LZ)	6.3	8.3	8.3	7.0	7.5
BANDANA (PST-R5AE)	7.0	8.7	9.0	7.0	7.9	ISI-TF9	5.7	8.7	8.7	7.0	7.5
CU9502T	7.0	9.0	8.7	7.0	7.9	MB 215	6.3	8.0	8.7	7.0	7.5
ONCUE (PST-523)	6.7	9.0	8.7	7.0	7.8	OFI-FWY	5.3	8.7	9.0	7.0	7.5
BONSAI 2000 (BULLET)	6.0	9.0	8.7	7.7	7.8	SUNPRO	5.7	8.7	8.7	7.0	7.5
CU9501T	6.7	8.7	9.0	7.0	7.8	TOMAHAWK-E	5.7	9.0	8.3	7.0	7.5
GAZELLE	6.0	9.0	8.7	7.7	7.8	SAFARI	5.7	8.3	8.7	7.3	7.5
WOLFPACK (PST-R5TK)	6.3	9.0	9.0	7.0	7.8	SRX 8500	5.7	8.3	8.7	7.3	7.5
WYATT (ATF-188)	6.3	9.0	8.3	7.7	7.8	AIRLIE (MB 210)	6.3	8.3	8.0	7.0	7.4
MB 26	7.0	8.0	8.3	7.7	7.8	ALAMO E	6.3	8.0	8.7	6.7	7.4
AZTEC II (TMI-AZ)	6.7	8.0	9.0	7.3	7.8	ANTHEM II (TMI-FMN)	5.7	8.3	8.3	7.3	7.4
BAR FA6 US2U	7.3	8.3	8.0	7.3	7.8	BAR FA 6D	5.7	8.3	8.3	7.3	7.4
MB 212	6.7	9.0	8.3	7.0	7.8	BAR FA 6LV	6.0	8.3	8.3	7.0	7.4
OFI-931	6.7	8.7	8.7	7.0	7.8	BARRINGTON (BAR FA6D USA)	5.7	8.3	8.3	7.3	7.4
SCORPIO (ZPS-2PTF)	6.7	8.7	8.7	7.0	7.8	PEDESTAL (PC-AO)	5.7	8.0	9.0	7.0	7.4
SOUTHERN CHOICE	6.0	9.0	9.0	7.0	7.8	PSII-TF-10	5.7	8.0	9.0	7.0	7.4
SR 8210	6.7	8.7	8.7	7.0	7.8	RENEGADE	5.7	8.3	9.0	6.7	7.4
EMPRESS	6.0	9.0	8.7	7.3	7.8	VELOCITY (AA-983)	6.0	8.3	8.3	7.0	7.4
DOMINION (PST-5M5)	6.0	9.0	8.3	7.3	7.7	WVPB-1B	6.0	8.0	8.3	7.3	7.4
OLYMPIC GOLD (PST-5E5)	6.7	9.0	8.0	7.0	7.7	ARID 3 (J-98)	5.7	8.3	8.7	7.0	7.4
R5AU	7.0	8.0	9.0	6.7	7.7	ATF-020	6.7	8.7	7.3	7.0	7.4
BARRERA (BAR FA6 US3)	6.7	8.3	8.7	7.0	7.7	MARKSMAN	5.3	8.7	8.7	7.0	7.4
COYOTE	5.7	8.7	9.0	7.3	7.7	RESERVE (ATF-182)	5.3	8.7	8.7	7.0	7.4
MB 214	6.3	8.7	8.7	7.0	7.7	SHENANDOAH	5.0	9.0	8.7	7.0	7.4
OFI-951	6.7	8.3	8.7	7.0	7.7	SHENANDOAH II (WRS2)	6.0	8.7	8.0	7.0	7.4
REBEL SENTRY (AA-A91)	6.7	8.3	8.7	7.0	7.7	ARID II (J-3)	5.3	8.7	8.3	7.0	7.3
REGIMENT	6.3	8.7	8.7	7.0	7.7	BRANDY (J-101)	5.7	8.0	8.7	7.0	7.3
TULSA	6.0	9.0	8.7	7.0	7.7	DP 50-9011	5.3	8.3	8.7	7.0	7.3
WATCHDOG (PICK FA B-93)	6.0	8.7	8.7	7.3	7.7	DURANA (MB 211)	5.0	9.0	8.3	7.0	7.3
BULLDAWG (PICK GA-96)	6.3	8.3	8.7	7.0	7.6	FALCON II	5.0	9.0	8.3	7.0	7.3
COCHISE II	6.0	8.3	9.0	7.0	7.6	LION	5.7	8.0	8.7	7.0	7.3
DUSTER	6.0	8.3	9.0	7.0	7.6	PICK FA 15-92	5.7	8.0	8.7	7.0	7.3
JTFA-96	6.0	8.3	9.0	7.0	7.6	RED COAT (ATF-038)	6.0	8.3	8.0	7.0	7.3
TF6 (BAR FA6 US6F)	6.3	8.3	8.7	7.0	7.6	ARABIA (J-5)	6.3	7.7	8.0	7.3	7.3
ATF-022	6.0	8.7	8.7	7.0	7.6	LEPRECHAUN	5.7	8.7	8.0	7.0	7.3
ATF-257	6.0	8.7	8.7	7.0	7.6	OFI-96-31	5.3	8.0	8.7	7.3	7.3
MB 216	6.3	8.0	8.7	7.3	7.6	PICK FA N-93	6.3	8.0	8.3	6.7	7.3
MILLENNIUM (TMI-RBR)	6.3	8.3	8.3	7.3	7.6	SHORTSTOP II	5.7	8.3	8.7	6.7	7.3
MUSTANG II	5.3	9.0	8.7	7.3	7.6	ARIZONA (PICK FA 6-91)	5.0	8.3	8.7	7.0	7.3

TABLE 27. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY					
NAME	MO3	NE1	NE2	OK1	MEAN
COMSTOCK (SSDE31)	5.3	8.3	8.3	7.0	7.3
CORONADO	5.3	8.3	8.3	7.0	7.3
GENESIS	5.3	8.3	8.3	7.0	7.3
GLEN EAGLE (EC-101)	4.7	8.7	8.7	7.0	7.3
GOOD-EN (KOOS 96-14)	5.3	8.3	8.3	7.0	7.3
JSC-1	5.3	8.0	8.7	7.0	7.3
JTTFC-96	5.7	8.0	8.3	7.0	7.3
KITTY HAWK S.S.T. (SS45DW)	5.3	8.3	8.3	7.0	7.3
PICK FA UT-93	5.7	7.7	8.7	7.0	7.3
TAR HEEL	5.3	8.3	8.3	7.0	7.3
PICK FA XK-95	5.0	8.0	8.7	7.3	7.3
BONSAI	5.0	8.3	8.7	6.7	7.2
CHAPEL HILL (TA-7)	5.7	8.3	7.7	7.0	7.2
HELIX (WVPB-1D)	5.3	8.3	8.0	7.0	7.2
ISI-TF10	5.7	7.7	8.3	7.0	7.2
PIXIE E+	5.0	8.3	8.7	6.7	7.2
REBEL 2000 (AA-989)	5.7	8.0	8.0	7.0	7.2
WX3-275	5.7	7.7	8.3	7.0	7.2
MB 213	5.3	8.0	8.3	7.0	7.2
MB 29	5.0	8.0	8.7	7.0	7.2
TWILIGHT II (TMI-TW)	6.0	7.3	8.3	7.0	7.2
AV-1	5.7	7.7	8.3	6.7	7.1
ISI-TF11	5.3	7.7	8.3	7.0	7.1
MB 28	5.3	7.7	8.3	7.0	7.1
OFI-96-32	4.7	8.0	8.7	7.0	7.1
ATF-253	5.7	8.3	7.3	7.0	7.1
EA 41	5.3	8.0	8.0	7.0	7.1
AXIOM (ATF-192)	5.3	7.0	8.7	7.0	7.0
CORONADO GOLD (EST-5RT)	5.7	7.7	7.7	7.0	7.0
EQUINOX (TMI-N91)	5.7	7.0	8.0	7.0	6.9
PSII-TF-9	4.7	7.7	8.3	7.0	6.9
SRX 8084	5.3	7.7	7.7	7.0	6.9
WPEZE (WVPB-1C)	5.3	7.7	7.7	7.0	6.9
ARID	4.7	8.7	8.3	6.0	6.9
TITAN 2	4.0	8.7	7.7	7.0	6.8
FINELAWN PETITE	4.7	7.3	8.0	7.0	6.8
DP 7952	4.3	7.3	8.3	6.3	6.6
DLF-1	4.3	7.3	7.3	6.3	6.3
KENTUCKY-31 W/ENDO.	2.7	6.0	7.7	5.0	5.3
LSD VALUE	1.5	0.9	1.0	0.6	0.5
C.V. (%)	16.3	6.6	7.5	4.9	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 28. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

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

NAME	AR1	KY1	MO3	NE1	NE2	OK1	UT1	MEAN
JAGUAR 3	8.7	9.0	6.0	9.0	7.3	6.7	5.3	7.4
COYOTE	7.7	8.3	4.7	8.7	8.7	7.0	5.0	7.1
PLANTATION (PENNINGTON-1901)	6.0	8.0	6.0	9.0	8.3	7.0	5.7	7.1
PICK FA N-93	6.7	7.7	5.0	9.0	8.0	7.0	6.3	7.1
DOMINION (PST-5M5)	6.0	8.0	5.0	8.7	8.3	7.0	6.7	7.1
PICK RT-95	4.7	8.3	6.7	9.0	8.3	7.0	5.7	7.1
MASTERPIECE (LTP-SD-TF)	7.0	8.0	5.3	9.0	7.7	7.0	5.3	7.0
ISI-TF11	7.7	8.0	4.7	8.3	8.0	7.0	5.3	7.0
MB 213	7.7	7.3	4.7	9.0	8.0	7.0	5.3	7.0
SHENANDOAH II (WRS2)	6.7	8.3	4.7	9.0	8.0	7.3	5.0	7.0
ATF-020	7.7	8.0	5.0	8.7	7.0	7.0	5.7	7.0
R5AU	7.3	7.7	4.7	8.7	7.7	7.0	6.0	7.0
WOLFPACK (PST-R5TK)	6.3	8.3	5.3	9.0	8.0	7.0	5.0	7.0
MUSTANG II	7.3	7.7	5.0	9.0	8.7	6.7	4.7	7.0
SOUTHERN CHOICE	6.0	8.0	4.7	9.0	8.7	7.0	5.3	7.0
CORONADO GOLD (PST-5RT)	8.7	8.0	4.7	8.0	8.0	7.0	4.3	7.0
EMPRESS	5.7	8.7	4.7	9.0	7.7	7.0	6.0	7.0
ISI-TF9	8.3	7.0	4.7	9.0	7.0	6.7	6.0	7.0
MB 29	7.3	8.0	4.3	9.0	8.3	7.0	4.7	7.0
PST-5TO	6.3	7.3	5.3	8.7	8.0	7.0	6.0	7.0
REMBRANDT (LTP-4026 E+)	6.3	8.7	5.3	9.0	7.7	7.0	4.7	7.0
SCORPIO (ZPS-2PTF)	5.3	8.3	4.7	9.0	7.7	7.0	6.7	7.0
ARID 3 (J-98)	5.7	7.7	5.3	9.0	8.3	7.0	5.3	6.9
ATF-257	7.0	8.7	4.0	9.0	7.3	7.0	5.3	6.9
BAR FA6 US2U	4.7	8.0	5.7	9.0	8.0	7.0	6.0	6.9
BRANDY (J-101)	7.0	7.7	4.3	9.0	9.0	7.0	4.3	6.9
CU9502T	5.0	8.3	5.7	9.0	8.0	7.3	5.0	6.9
JSC-1	6.0	7.7	4.7	8.7	8.3	7.0	6.0	6.9
RED COAT (ATF-038)	8.3	6.7	4.7	8.7	8.0	7.0	5.0	6.9
TULSA	6.7	7.0	5.3	9.0	8.0	7.0	5.3	6.9
WATCHDOG (PICK FA B-93)	6.0	8.0	5.0	9.0	8.3	7.0	5.0	6.9
WYATT (ATF-188)	5.3	8.3	5.3	9.0	8.0	7.0	5.3	6.9
ALAMO E	6.7	7.7	5.0	9.0	8.0	6.3	5.3	6.9
OFI-951	5.7	7.3	4.7	9.0	8.7	7.0	5.7	6.9
SR 8210	6.7	7.0	5.3	8.3	8.3	6.7	5.7	6.9
LION	8.7	6.7	4.3	8.0	7.3	7.0	5.7	6.8
MILLENNIUM (TMI-RBR)	6.0	8.3	4.7	8.7	7.7	7.0	5.3	6.8
ATF-022	6.0	7.3	5.0	9.0	8.0	6.7	5.7	6.8
ANTHEM II (TMI-FMN)	5.7	7.7	4.7	8.3	7.7	7.3	6.0	6.8
APACHE II	6.0	8.3	4.0	8.7	8.0	7.0	5.3	6.8
REBEL SENTRY (AA-A91)	5.7	7.7	5.3	9.0	8.0	7.0	4.7	6.8
WILDFIRE (ATF-196)	7.3	5.7	5.0	9.0	7.3	7.0	6.0	6.8
CHAPEL HILL (TA-7)	6.7	7.7	4.7	8.7	7.7	7.0	5.0	6.8
CU9501T	5.0	8.3	4.7	8.7	8.7	7.0	5.0	6.8

TABLE 28.
(CONT'D)

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS
1999 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	AR1	KY1	MO3	NE1	NE2	OK1	UT1	MEAN
JTTFA-96	7.0	7.0	4.3	9.0	8.3	7.0	4.7	6.8
MB 212	7.0	7.0	5.0	8.7	8.0	7.0	4.7	6.8
PRO 8430	6.3	7.0	5.3	9.0	7.7	7.0	5.0	6.8
TRACER (BAR FA6 US1)	5.3	8.3	5.3	9.0	7.7	6.7	5.0	6.8
SUNPRO	4.7	8.3	4.7	8.7	8.3	7.0	5.3	6.7
COMSTOCK (SSDE31)	8.3	7.7	3.7	8.3	7.7	7.0	4.3	6.7
MB 26	6.3	7.7	5.0	8.7	7.7	7.3	4.3	6.7
BULLDAWG (PICK GA-96)	5.0	7.7	5.3	9.0	7.7	6.7	5.7	6.7
DURANA (MB 211)	7.3	7.0	4.0	9.0	8.0	7.0	4.7	6.7
OFI-931	5.3	7.3	5.0	9.0	7.7	6.7	6.0	6.7
ARABIA (J-5)	6.0	7.3	4.7	8.3	8.0	7.0	5.3	6.7
BAR FA 6D	5.0	8.3	4.3	9.0	8.0	7.3	4.7	6.7
DP 50-9011	5.3	8.3	4.0	8.7	8.3	7.0	5.0	6.7
FINELAWN 5LZ (ZPS-5LZ)	5.3	7.3	4.7	9.0	7.7	7.3	5.3	6.7
OFI-96-31	5.0	8.0	4.7	8.3	8.0	7.3	5.3	6.7
SHENANDOAH	6.3	6.7	4.3	8.7	8.3	7.0	5.3	6.7
ATF-253	5.7	8.7	4.7	9.0	7.7	7.0	4.0	6.7
COCHISE II	7.3	6.3	4.7	8.7	8.0	6.7	5.0	6.7
JTTFC-96	7.7	8.0	4.0	8.3	7.7	7.0	4.0	6.7
MB 215	6.7	6.7	5.0	8.7	7.7	6.7	5.3	6.7
OFI-FWY	6.0	7.0	4.3	8.7	8.7	7.0	5.0	6.7
ONCUE (EST-523)	4.0	8.0	5.0	9.0	7.7	7.0	6.0	6.7
PICK FA UT-93	5.3	7.0	4.7	8.7	8.3	6.7	6.0	6.7
RESERVE (ATF-182)	6.3	7.0	4.7	8.7	7.3	7.0	5.7	6.7
BANDANA (PST-R5AE)	4.0	8.0	5.3	8.3	8.3	7.0	5.3	6.6
PICK FA 15-92	6.0	6.7	4.7	9.0	8.3	7.0	4.7	6.6
VELOCITY (AA-983)	5.7	7.0	5.0	9.0	7.7	6.7	5.3	6.6
AIRLIE (MB 210)	5.3	7.3	4.0	9.0	8.7	7.0	5.0	6.6
BAR FA 6LV	3.0	8.0	4.0	9.0	8.3	7.3	6.3	6.6
CROSSFIRE II	4.7	7.3	5.0	9.0	7.7	7.0	5.3	6.6
GENESIS	6.0	8.0	4.0	9.0	7.3	7.0	4.7	6.6
GLEN EAGLE (EC-101)	5.0	8.3	4.7	9.0	7.3	7.0	4.7	6.6
HELIX (WBPB-1D)	5.3	7.3	4.3	8.7	8.0	7.0	5.3	6.6
MB 214	6.0	7.3	4.7	9.0	7.7	7.0	4.3	6.6
MB 28	5.7	6.7	4.7	8.7	8.3	7.0	5.0	6.6
PICK FA XK-95	5.0	7.0	4.7	8.7	7.7	7.0	6.0	6.6
SHORTSTOP II	4.3	8.0	4.7	8.7	8.3	6.7	5.3	6.6
OLYMPIC GOLD (PST-5E5)	5.3	8.0	4.7	8.7	7.7	7.0	4.7	6.6
TAR HEEL	5.3	8.7	4.0	8.7	7.7	6.7	5.0	6.6
TITAN 2	6.3	8.0	4.0	8.7	7.7	6.7	4.7	6.6
BONSAI 2000 (BULLET)	5.0	7.3	4.7	9.0	7.3	7.0	5.3	6.5
BRAVO (RG-93)	4.7	7.3	6.0	8.3	8.0	7.0	4.3	6.5
ISI-TF10	6.0	7.3	4.7	8.3	7.0	7.0	5.3	6.5
MB 216	5.7	6.0	4.7	9.0	8.0	6.3	6.0	6.5
ARIZONA (PICK FA 6-91)	6.3	6.7	4.3	8.0	8.3	6.7	5.3	6.5

TABLE 28. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY								
NAME	AR1	KY1	MO3	NE1	NE2	OK1	UT1	MEAN
AZTEC II (TMI-AZ)	4.3	7.3	4.7	9.0	8.0	7.0	5.3	6.5
FINELAWN PETITE	6.7	7.3	4.0	8.3	7.7	7.0	4.7	6.5
TOMAHAWK-E	4.7	7.7	4.7	9.0	8.0	6.7	5.0	6.5
LEPRECHAUN	6.3	7.0	4.3	8.7	6.7	7.0	5.7	6.5
PSII-TF-10	7.0	6.3	4.3	8.3	8.3	6.7	4.3	6.5
BARRINGTON (BAR FA6D USA)	4.0	8.0	4.3	8.7	7.7	7.0	5.7	6.5
PICK FA 20-92	4.7	7.3	5.0	9.0	7.7	7.0	4.7	6.5
BARRERA (BAR FA6 US3)	4.0	8.3	5.3	8.7	7.3	6.7	4.7	6.4
TWILIGHT II (TMI-TW)	4.0	7.3	4.7	8.7	7.7	7.0	5.7	6.4
DUSTER	4.7	7.0	4.0	8.7	8.0	7.0	5.3	6.4
OFI-96-32	5.7	7.0	4.0	8.7	7.3	7.0	5.0	6.4
RENEGADE	4.0	8.0	4.3	8.7	7.7	7.0	5.0	6.4
SRX 8500	4.3	7.0	4.7	8.7	7.3	7.0	5.7	6.4
TF6 (BAR FA6 US6F)	2.7	8.0	4.0	9.0	8.0	7.3	5.7	6.4
WX3-275	5.3	7.7	3.7	8.7	8.0	6.7	4.7	6.4
ARID II (J-3)	5.7	6.3	4.3	8.7	7.3	6.7	5.3	6.3
DLF-1	6.0	7.0	4.0	8.0	7.3	6.7	5.3	6.3
EA 41	6.7	6.3	4.7	8.3	7.3	6.7	4.3	6.3
PEDESTAL (PC-AO)	3.3	8.0	4.7	8.7	8.3	7.0	4.3	6.3
SAFARI	4.7	7.7	4.3	8.3	7.0	6.7	5.7	6.3
SRX 8084	5.0	7.0	3.3	8.7	8.0	6.7	5.7	6.3
CORONADO	5.0	7.0	4.3	8.7	8.0	6.0	5.0	6.3
MARKSMAN	4.7	6.3	4.0	9.0	8.0	7.0	5.0	6.3
GAZELLE	2.3	8.3	4.7	9.0	7.7	6.3	5.3	6.2
REGIMENT	3.0	7.3	5.0	9.0	7.7	6.7	5.0	6.2
AXIOM (ATF-192)	7.0	5.0	4.3	8.3	7.7	6.7	4.7	6.2
DP 7952	7.0	6.0	3.3	8.0	8.3	6.3	4.3	6.2
EQUINOX (TMI-N91)	5.0	7.0	3.7	8.0	7.7	6.7	5.3	6.2
FALCON II	3.3	8.3	4.0	8.7	8.0	6.7	4.3	6.2
PSII-TF-9	5.0	6.3	3.7	8.3	7.7	7.0	5.3	6.2
ARID	6.3	7.0	3.3	8.0	8.0	6.7	4.0	6.2
KITTY HAWK S.S.T. (SS45DW)	4.3	7.3	3.7	8.0	8.3	7.0	4.7	6.2
PIXIE E+	4.0	6.3	3.7	9.0	7.7	7.0	5.3	6.1
GOOD-EN (KOOS 96-14)	5.0	7.0	4.0	8.3	7.3	6.3	5.0	6.1
REBEL 2000 (AA-989)	3.3	7.3	4.3	8.7	7.7	6.7	5.0	6.1
WVPB-1B	5.7	6.0	4.0	8.3	7.3	7.0	4.7	6.1
BONSAI	4.3	6.3	4.0	8.3	7.7	6.7	5.3	6.1
WPEZE (WVPB-1C)	4.0	7.0	4.0	8.0	7.7	7.0	4.7	6.0
AV-1	4.7	5.7	3.7	8.0	7.3	6.7	5.0	5.9
KENTUCKY-31 W/ENDO.	5.7	4.3	2.3	5.7	7.3	5.0	4.0	4.9
LSD VALUE	3.4	1.3	1.2	0.7	1.3	0.7	1.7	0.6
C.V. (%)	36.7	10.4	16.2	4.8	10.4	6.1	20.3	15.8

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

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

TABLE 29. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

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

NAME	AR1	MO3	NE1	NE2	OK1	MEAN
PICK RT-95	6.7	8.3	9.0	8.0	7.0	7.8
ARID 3 (J-98)	6.7	7.7	9.0	8.0	7.0	7.7
GAZELLE	6.0	7.3	9.0	8.7	7.3	7.7
REMBRANDT (LTP-4026 E+)	7.0	7.7	9.0	7.3	7.3	7.7
MASTERPIECE (LTP-SD-IF)	6.7	7.7	8.3	8.0	7.3	7.6
REBEL SENTRY (AA-A91)	6.3	7.7	8.7	8.3	7.0	7.6
SCORPIO (ZPS-2PTF)	7.0	7.7	8.7	7.7	7.0	7.6
ISI-TF9	6.7	6.7	9.0	8.3	7.0	7.5
PLANTATION (PENNINGTON-1901)	6.7	7.7	9.0	7.0	7.3	7.5
ATF-253	6.3	7.0	9.0	8.3	7.0	7.5
PICK FA 15-92	6.7	7.3	8.7	8.0	7.0	7.5
BANDANA (PST-R5AE)	5.7	8.0	8.7	8.0	7.0	7.5
BAR FA6 US2U	6.7	6.7	9.0	8.0	7.0	7.5
JAGUAR 3	7.7	6.7	9.0	7.3	6.7	7.5
MB 213	7.0	7.0	8.0	8.3	7.0	7.5
MB 214	6.7	7.3	8.3	8.0	7.0	7.5
OLYMPIC GOLD (PST-5E5)	6.7	7.7	9.0	7.0	7.0	7.5
WATCHDOG (PICK FA B-93)	6.3	7.3	9.0	7.7	7.0	7.5
WILDFIRE (ATF-196)	6.3	7.3	9.0	7.7	7.0	7.5
BARRERA (BAR FA6 US3)	6.0	7.3	8.7	8.0	7.0	7.4
DOMINION (PST-5M5)	6.3	7.3	9.0	7.3	7.0	7.4
GLEN EAGLE (EC-101)	5.7	7.0	9.0	8.3	7.0	7.4
MB 26	6.7	6.7	8.7	8.0	7.0	7.4
MILLENNIUM (TMI-RBR)	6.7	6.7	9.0	7.7	7.0	7.4
OFI-931	6.3	6.7	9.0	8.0	7.0	7.4
PST-5TO	6.3	7.3	9.0	7.3	7.0	7.4
R5AU	7.0	7.0	8.7	7.7	6.7	7.4
RED COAT (ATF-038)	7.3	6.7	8.3	7.7	7.0	7.4
SOUTHERN CHOICE	6.3	6.0	9.0	8.7	7.0	7.4
SR 8210	6.0	7.7	8.7	7.7	7.0	7.4
SRX 8500	6.3	7.3	9.0	7.3	7.0	7.4
TRACER (BAR FA6 US1)	6.7	7.7	7.7	8.0	7.0	7.4
TULSA	6.0	7.0	8.7	8.3	7.0	7.4
BRAVO (RG-93)	5.7	7.7	8.7	7.7	7.0	7.3
VELOCITY (AA-983)	5.7	7.7	9.0	8.0	6.3	7.3
MUSTANG II	6.3	6.3	8.7	8.3	7.0	7.3
BRANDY (J-101)	6.7	6.0	8.7	8.0	7.0	7.3
CORONADO GOLD (PST-5RT)	6.7	6.3	9.0	7.7	6.7	7.3
COYOTE	6.7	7.0	8.7	7.0	7.0	7.3
MB 212	6.3	6.7	8.3	8.0	7.0	7.3
ONCUE (PST-523)	6.7	6.0	9.0	7.7	7.0	7.3
PICK FA N-93	5.3	7.7	8.3	8.0	7.0	7.3
SHORTSTOP II	5.7	6.7	9.0	8.3	6.7	7.3
WOLFPACK (PST-R5TK)	5.7	7.7	8.3	7.7	7.0	7.3

TABLE 29. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	AR1	MO3	NE1	NE2	OK1	MEAN
APACHE II	6.3	5.3	9.0	8.7	7.0	7.3
SHENANDOAH II (WRS2)	7.0	6.3	8.7	7.3	7.0	7.3
ATF-022	6.3	7.0	9.0	7.3	6.3	7.2
BARRINGTON (BAR FA6D USA)	6.0	6.0	9.0	8.0	7.0	7.2
BULLDAWG (PICK GA-96)	6.0	6.7	9.0	7.3	7.0	7.2
COCHISE II	6.3	7.0	8.3	7.3	7.0	7.2
CU9501T	5.7	6.3	9.0	8.0	7.0	7.2
CU9502T	6.3	7.0	8.3	7.7	6.7	7.2
MB 29	7.0	5.3	8.7	8.0	7.0	7.2
OFI-951	6.0	6.3	9.0	7.7	7.0	7.2
PICK FA XK-95	6.3	6.7	8.7	7.3	7.0	7.2
RESERVE (ATF-182)	6.0	6.3	9.0	7.7	7.0	7.2
SAFARI	6.3	6.3	9.0	7.3	7.0	7.2
TF6 (BAR FA6 US6F)	5.7	6.3	9.0	8.0	7.0	7.2
ARID II (J-3)	6.7	6.3	8.3	7.3	7.0	7.1
ATF-257	6.7	5.7	9.0	7.7	6.7	7.1
DURANA (MB 211)	6.7	6.0	8.7	7.3	7.0	7.1
FINELAWN 5LZ (ZPS-5LZ)	7.0	7.0	7.0	7.7	7.0	7.1
MB 28	6.0	6.7	8.3	7.7	7.0	7.1
CROSSFIRE II	5.7	6.3	8.7	8.0	7.0	7.1
GENESIS	6.0	6.0	8.7	8.3	6.7	7.1
ISI-TF11	6.3	5.3	8.3	8.7	7.0	7.1
OFI-FWY	6.7	5.3	8.7	8.0	7.0	7.1
PRO 8430	5.3	7.3	8.7	7.3	7.0	7.1
ALAMO E	6.7	5.7	8.3	7.7	7.0	7.1
BONSAI 2000 (BULLET)	5.7	5.3	9.0	8.3	7.0	7.1
PIXIE E+	6.0	6.0	9.0	7.7	6.7	7.1
WYATT (ATF-188)	6.0	6.7	9.0	6.7	7.0	7.1
MB 215	6.3	6.3	8.0	7.7	7.0	7.1
AIRLIE (MB 210)	6.0	6.0	8.7	7.7	6.7	7.0
ANTHEM II (TMI-FMN)	5.7	6.0	9.0	7.3	7.0	7.0
ARABIA (J-5)	5.7	6.0	9.0	7.7	6.7	7.0
BAR FA 6LV	6.0	6.0	9.0	7.3	6.7	7.0
EMPRESS	5.7	6.0	9.0	7.3	7.0	7.0
PICK FA UT-93	5.7	6.7	8.7	7.3	6.7	7.0
REGIMENT	5.3	6.3	8.7	7.7	7.0	7.0
TAR HEEL	6.0	5.3	8.3	8.3	7.0	7.0
TWILIGHT II (TMI-TW)	6.0	6.3	8.7	7.3	6.7	7.0
WVPB-1B	6.0	5.3	9.0	7.7	7.0	7.0
AZTEC II (TMI-AZ)	5.0	6.7	8.7	7.3	7.0	6.9
CHAPEL HILL (TA-7)	6.0	6.7	8.0	7.0	7.0	6.9
EA 41	6.0	5.7	8.3	7.7	7.0	6.9
ISI-TF10	6.3	6.7	8.0	6.7	7.0	6.9
SUNPRO	6.3	5.3	8.3	7.7	7.0	6.9
BAR FA 6D	6.0	6.3	8.3	7.3	6.7	6.9

TABLE 29. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY						
NAME	AR1	MD3	NE1	NE2	OK1	MEAN
PICK FA 20-92	5.3	7.0	8.0	7.3	7.0	6.9
SHENANDOAH	5.3	5.7	8.7	8.0	7.0	6.9
CORONADO	5.3	5.7	8.0	8.0	7.3	6.9
FALCON II	5.0	5.7	8.3	8.3	7.0	6.9
MB 216	6.0	6.0	7.7	8.0	6.7	6.9
OFI-96-32	5.7	6.0	8.0	7.7	7.0	6.9
ARIZONA (PICK FA 6-91)	5.7	6.0	8.3	7.3	7.0	6.9
AXIOM (ATF-192)	5.3	6.3	8.0	7.7	7.0	6.9
BONSAI	5.0	6.3	8.3	7.7	7.0	6.9
TOMAHAWK-E	5.3	6.0	8.7	7.3	7.0	6.9
EQUINOX (TMI-N91)	5.7	5.3	8.7	7.3	7.0	6.8
HELIX (WVPB-1D)	5.7	5.7	8.7	7.3	6.7	6.8
JSC-1	5.3	4.3	9.0	8.3	7.0	6.8
LION	6.3	5.7	8.3	6.7	7.0	6.8
MARKSMAN	6.0	5.0	8.7	7.7	6.7	6.8
ATF-020	6.7	6.3	8.3	5.7	6.7	6.7
DUSTER	6.0	5.0	8.0	7.7	7.0	6.7
FINELAWN PETITE	5.3	5.3	8.3	7.7	7.0	6.7
DP 50-9011	5.3	5.3	8.0	8.0	7.0	6.7
LEPRECHAUN	5.3	6.0	8.0	7.7	6.7	6.7
OFI-96-31	5.3	6.0	8.0	7.0	7.3	6.7
PSII-TF-10	5.3	5.3	8.3	8.0	6.7	6.7
REBEL 2000 (AA-989)	6.0	5.3	8.3	7.3	6.7	6.7
SRX 8084	5.3	5.7	8.7	7.0	7.0	6.7
JTTFC-96	6.0	4.0	8.3	8.0	7.0	6.7
WX3-275	6.0	5.0	8.3	7.3	6.7	6.7
COMSTOCK (SSDE31)	5.7	5.0	8.3	7.3	7.0	6.7
KITTY HAWK S.S.T. (SS45DW)	5.3	5.0	8.7	7.3	7.0	6.7
WPEZE (WVPB-1C)	5.3	5.3	9.0	7.3	6.3	6.7
DLF-1	5.3	6.7	8.0	6.7	6.3	6.6
JTTFA-96	5.3	4.0	8.7	8.0	7.0	6.6
PEDESTAL (PC-AO)	5.3	4.7	8.0	8.3	6.7	6.6
TITAN 2	5.3	5.3	8.0	7.0	7.0	6.5
GOOD-EN (KOOS 96-14)	5.0	5.0	8.3	7.3	6.7	6.5
PSII-TF-9	5.7	5.0	8.0	7.0	6.7	6.5
RENEGADE	5.3	4.7	8.7	7.0	6.7	6.5
AV-1	4.7	4.3	8.0	7.7	6.7	6.3
ARID	5.0	4.0	7.7	7.3	6.3	6.1
DP 7952	4.3	3.7	7.3	7.3	6.0	5.7
KENTUCKY-31 W/ENDO.	3.3	2.3	6.3	6.7	5.0	4.7
LSD VALUE	1.3	1.7	1.0	1.4	0.6	0.6
C.V. (%)	13.3	16.8	7.5	11.3	5.4	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 30.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MO3	OK1	MEAN	NAME	MO3	OK1	MEAN
AIRLIE (MB 210)	99.0	99.0	99.0	HELIX (WVPB-1D)	99.0	99.0	99.0
ALAMO E	99.0	99.0	99.0	ISI-TF10	99.0	99.0	99.0
ANTHEM II (TMI-FMN)	99.0	99.0	99.0	ISI-TF11	99.0	99.0	99.0
APACHE II	99.0	99.0	99.0	ISI-TF9	99.0	99.0	99.0
ARID 3 (J-98)	99.0	99.0	99.0	JAGUAR 3	99.0	99.0	99.0
ARID II (J-3)	99.0	99.0	99.0	JSC-1	99.0	99.0	99.0
ARIZONA (PICK FA 6-91)	99.0	99.0	99.0	JTTFA-96	99.0	99.0	99.0
ATF-020	99.0	99.0	99.0	KITTY HAWK S.S.T. (SS45DW)	99.0	99.0	99.0
ATF-022	99.0	99.0	99.0	LEPRECHAUN	99.0	99.0	99.0
ATF-253	99.0	99.0	99.0	LION	99.0	99.0	99.0
ATF-257	99.0	99.0	99.0	MARKSMAN	99.0	99.0	99.0
AZTEC II (TMI-AZ)	99.0	99.0	99.0	MASTERPIECE (LTP-SD-TF)	99.0	99.0	99.0
BANDANA (PST-R5AE)	99.0	99.0	99.0	MB 212	99.0	99.0	99.0
BAR FA 6LV	99.0	99.0	99.0	MB 213	99.0	99.0	99.0
BAR FA6 US2U	99.0	99.0	99.0	MB 215	99.0	99.0	99.0
BARRERA (BAR FA6 US3)	99.0	99.0	99.0	MB 216	99.0	99.0	99.0
BARRINGTON (BAR FA6D USA)	99.0	99.0	99.0	MB 26	99.0	99.0	99.0
BONSAI	99.0	99.0	99.0	MB 28	99.0	99.0	99.0
BONSAI 2000 (BULLET)	99.0	99.0	99.0	MB 29	99.0	99.0	99.0
BRANDY (J-101)	99.0	99.0	99.0	MILLENNIUM (TMI-RBR)	99.0	99.0	99.0
BRAVO (RG-93)	99.0	99.0	99.0	OFI-931	99.0	99.0	99.0
BULLDAWG (PICK GA-96)	99.0	99.0	99.0	OFI-96-31	99.0	99.0	99.0
CHAPEL HILL (TA-7)	99.0	99.0	99.0	OFI-96-32	99.0	99.0	99.0
COCHISE II	99.0	99.0	99.0	OFI-FWY	99.0	99.0	99.0
COMSTOCK (SSDE31)	99.0	99.0	99.0	OLYMPIC GOLD (PST-5E5)	99.0	99.0	99.0
CORONADO	99.0	99.0	99.0	ONCUE (PST-523)	99.0	99.0	99.0
CORONADO GOLD (PST-5RT)	99.0	99.0	99.0	PEDESTAL (PC-AO)	99.0	99.0	99.0
COYOTE	99.0	99.0	99.0	PICK FA 20-92	99.0	99.0	99.0
CROSSFIRE II	99.0	99.0	99.0	PICK FA N-93	99.0	99.0	99.0
CU9501T	99.0	99.0	99.0	PICK FA XK-95	99.0	99.0	99.0
CU9502T	99.0	99.0	99.0	PICK RT-95	99.0	99.0	99.0
DLF-1	99.0	99.0	99.0	PIXIE E+	99.0	99.0	99.0
DOMINION (PST-5M5)	99.0	99.0	99.0	PLANTATION (PENNINGTON-1901)	99.0	99.0	99.0
DP 50-9011	99.0	99.0	99.0	PSII-TF-10	99.0	99.0	99.0
DP 7952	99.0	99.0	99.0	PSII-TF-9	99.0	99.0	99.0
DURANA (MB 211)	99.0	99.0	99.0	PST-5TO	99.0	99.0	99.0
DUSTER	99.0	99.0	99.0	R5AU	99.0	99.0	99.0
EA 41	99.0	99.0	99.0	REBEL 2000 (AA-989)	99.0	99.0	99.0
EMPRESS	99.0	99.0	99.0	REBEL SENTRY (AA-A91)	99.0	99.0	99.0
EQUINOX (TMI-N91)	99.0	99.0	99.0	RED COAT (ATF-038)	99.0	99.0	99.0
FALCON II	99.0	99.0	99.0	REGIMENT	99.0	99.0	99.0
FINELAWN 5LZ (ZPS-5LZ)	99.0	99.0	99.0	RENEGADE	99.0	99.0	99.0
GENESIS	99.0	99.0	99.0	RESERVE (ATF-182)	99.0	99.0	99.0
GLEN EAGLE (EC-101)	99.0	99.0	99.0	SAFARI	99.0	99.0	99.0
GOOD-EN (KOOS 96-14)	99.0	99.0	99.0	SCORPIO (ZPS-2PTF)	99.0	99.0	99.0

TABLE 30. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS			
NAME	MO3	OK1	MEAN
SHENANDOAH	99.0	99.0	99.0
SHENANDOAH II (WRS2)	99.0	99.0	99.0
SHORTSTOP II	99.0	99.0	99.0
SOUTHERN CHOICE	99.0	99.0	99.0
SR 8210	99.0	99.0	99.0
SRX 8084	99.0	99.0	99.0
SRX 8500	99.0	99.0	99.0
SUNPRO	99.0	99.0	99.0
TAR HEEL	99.0	99.0	99.0
TF6 (BAR FA6 US6F)	99.0	99.0	99.0
TITAN 2	99.0	99.0	99.0
TRACER (BAR FA6 US1)	99.0	99.0	99.0
TULSA	99.0	99.0	99.0
TWILIGHT II (TMI-TW)	99.0	99.0	99.0
WATCHDOG (PICK FA B-93)	99.0	99.0	99.0
WILDFIRE (ATF-196)	99.0	99.0	99.0
WOLFPACK (PST-R5TK)	99.0	99.0	99.0
WPEZE (WVPB-1C)	99.0	99.0	99.0
WVPB-1B	99.0	99.0	99.0
WYATT (ATF-188)	99.0	99.0	99.0
AXIOM (ATF-192)	99.0	98.7	98.8
MB 214	99.0	98.7	98.8
OFT-951	99.0	98.3	98.7
PICK FA UT-93	99.0	98.3	98.7
WX3-275	99.0	98.3	98.7
FINELAWN PETITE	97.7	99.0	98.3
JTTFC-96	97.7	99.0	98.3
PICK FA 15-92	99.0	97.7	98.3
REMBRANDT (LTP-4026 E+)	97.7	99.0	98.3
TOMAHAWK-E	97.7	98.7	98.2
ARABIA (J-5)	96.0	99.0	97.5
ARID	96.0	99.0	97.5
BAR FA 6D	96.0	99.0	97.5
GAZELLE	96.0	99.0	97.5
MUSTANG II	96.0	99.0	97.5
PRO 8430	96.0	99.0	97.5
VELOCITY (AA-983)	93.0	99.0	96.0
AV-1	88.3	99.0	93.7
KENTUCKY-31 W/ENDO.	83.3	99.0	91.2
LSD VALUE	2.1	0.5	1.1
C.V. (%)	1.3	0.3	1.0

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

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

TABLE 31.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/									
NAME	AR1	MO3	OK1	MEAN	NAME	AR1	MO3	OK1	MEAN
LION	95.0	99.0	95.7	96.6	AIRLIE (MB 210)	73.3	99.0	96.3	89.6
ISI-TF10	93.3	99.0	96.3	96.2	MB 216	75.0	99.0	94.3	89.4
DURANA (MB 211)	91.7	99.0	97.0	95.9	OFI-96-32	73.3	99.0	96.0	89.4
ISI-TF9	93.3	99.0	95.0	95.8	RESERVE (ATF-182)	73.3	99.0	96.0	89.4
JAGUAR 3	93.3	99.0	94.7	95.7	TRACER (BAR FA6 US1)	75.0	99.0	93.7	89.2
R5AU	91.7	99.0	96.3	95.7	ONCUE (PST-523)	73.3	99.0	95.3	89.2
COMSTOCK (SSDE31)	91.7	99.0	96.0	95.6	ARID 3 (J-98)	71.7	99.0	96.3	89.0
COYOTE	93.3	99.0	93.7	95.3	AXIOM (ATF-192)	71.7	99.0	96.3	89.0
COCHISE II	91.7	99.0	95.0	95.2	WATCHDOG (PICK FA B-93)	73.3	99.0	94.7	89.0
JTTFA-96	91.7	99.0	94.7	95.1	PLANTATION (PENNINGTON-1901)	71.7	99.0	96.0	88.9
RED COAT (ATF-038)	90.0	99.0	96.3	95.1	ARID II (J-3)	73.3	99.0	94.3	88.9
ISI-TF11	90.0	99.0	96.0	95.0	EMPRESS	71.7	99.0	95.3	88.7
BRANDY (J-101)	88.3	99.0	97.0	94.8	PICK FA 20-92	73.3	99.0	93.7	88.7
GENESIS	90.0	99.0	94.7	94.6	WVPB-1B	71.7	99.0	95.3	88.7
ATF-257	86.7	99.0	96.7	94.1	OFI-96-31	70.0	99.0	96.7	88.6
MB 29	86.7	99.0	96.0	93.9	ALAMO E	71.7	99.0	94.3	88.3
MB 212	86.7	99.0	95.3	93.7	OFI-FWY	71.7	99.0	94.3	88.3
MB 214	85.0	99.0	96.0	93.3	CHAPEL HILL (TA-7)	70.0	99.0	95.7	88.2
ARIZONA (PICK FA 6-91)	85.0	99.0	95.3	93.1	EQUINOX (TMI-N91)	70.0	99.0	95.7	88.2
WOLFPACK (PST-R5TK)	83.3	99.0	97.0	93.1	MB 28	70.0	99.0	95.7	88.2
EA 41	85.0	99.0	94.7	92.9	PICK FA UT-93	71.7	99.0	93.3	88.0
DP 50-9011	83.3	99.0	96.0	92.8	PICK FA XK-95	70.0	99.0	95.0	88.0
MB 213	83.3	99.0	96.0	92.8	TAR HEEL	70.0	99.0	95.0	88.0
JTTFC-96	90.0	93.0	94.3	92.4	DLF-1	70.0	99.0	94.7	87.9
CORONADO GOLD (PST-5RT)	83.3	99.0	94.7	92.3	JSC-1	68.3	99.0	96.0	87.8
TITAN 2	83.3	99.0	94.7	92.3	HELIX (WVPB-1D)	68.3	99.0	95.3	87.6
ATF-020	81.7	99.0	96.0	92.2	DOMINION (PST-5M5)	66.7	99.0	96.7	87.4
ATF-253	81.7	99.0	96.0	92.2	PST-5TO	66.7	99.0	96.3	87.3
MUSTANG II	88.3	92.7	95.3	92.1	REMBRANDT (LTP-4026 E+)	71.7	94.3	96.0	87.3
ARABIA (J-5)	85.0	94.3	96.7	92.0	ANTHEM II (TMI-FMN)	66.7	99.0	96.0	87.2
PSII-TF-10	81.7	99.0	94.3	91.7	APACHE II	66.7	99.0	96.0	87.2
PSII-TF-9	80.0	99.0	96.0	91.7	WILDFIRE (ATF-196)	66.7	99.0	96.0	87.2
MASTERPIECE (LTP-SD-TF)	80.0	99.0	95.7	91.6	OFI-931	68.3	99.0	94.3	87.2
MB 215	80.0	99.0	95.3	91.4	PICK FA 15-92	66.7	99.0	95.7	87.1
PRO 8430	81.7	97.7	94.7	91.3	BAR FA6 US2U	68.3	99.0	94.0	87.1
WYATT (ATF-188)	80.0	99.0	94.3	91.1	BONSAI 2000 (BULLET)	66.7	99.0	95.3	87.0
DP 7952	80.0	99.0	94.0	91.0	MARKSMAN	66.7	99.0	95.3	87.0
SR 8210	78.3	99.0	95.3	90.9	FINELAWN PETITE	73.3	92.7	94.7	86.9
LEPRECHAUN	76.7	99.0	96.3	90.7	BULLDAWG (PICK GA-96)	68.3	99.0	93.3	86.9
SRX 8500	78.3	99.0	94.7	90.7	CU9502T	65.0	99.0	95.7	86.6
TULSA	76.7	99.0	96.0	90.6	CROSSFIRE II	65.0	99.0	95.3	86.4
MB 26	76.7	99.0	95.3	90.3	KENTUCKY-31 W/ENDO.	90.0	76.7	92.3	86.3
PICK FA N-93	80.0	96.0	94.7	90.2	OFI-951	66.7	99.0	93.0	86.2
SHENANDOAH	75.0	99.0	95.0	89.7	TWILIGHT II (TMI-TW)	63.3	99.0	96.3	86.2
ARID	81.7	92.7	94.3	89.6	KITTY HAWK S.S.T. (SS45DW)	63.3	99.0	95.7	86.0

TABLE 31. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS				
NAME	ARL	MO3	OK1	MEAN
TOMAHAWK-E	68.3	94.3	95.3	86.0
SRX 8084	66.7	96.0	95.0	85.9
MILLENNIUM (TMI-RBR)	63.3	99.0	94.7	85.7
REBEL SENTRY (AA-A91)	61.7	99.0	96.3	85.7
CU9501T	61.7	99.0	96.0	85.6
ATF-022	61.7	99.0	95.7	85.4
GLEN EAGLE (EC-101)	61.7	99.0	95.7	85.4
PICK RT-95	61.7	99.0	95.3	85.3
SHORTSTOP II	63.3	99.0	93.7	85.3
SOUTHERN CHOICE	60.0	99.0	96.3	85.1
FINELAWN 5LZ (ZPS-5LZ)	60.0	99.0	96.0	85.0
BRAVO (RG-93)	60.0	99.0	95.7	84.9
SAFARI	58.3	99.0	97.3	84.9
REBEL 2000 (AA-989)	58.3	99.0	97.0	84.8
PIXIE E+	60.0	99.0	95.3	84.8
OLYMPIC GOLD (PST-5E5)	58.3	99.0	96.3	84.6
RENEGADE	58.3	99.0	95.7	84.3
SUNPRO	58.3	99.0	95.3	84.2
WPEZE (WVPB-1C)	56.7	99.0	96.0	83.9
AZTEC II (TMI-AZ)	55.0	99.0	97.3	83.8
CORONADO	60.0	99.0	92.3	83.8
SCORPIO (ZPS-2PTF)	56.7	99.0	94.0	83.2
AV-1	75.0	80.0	94.3	83.1
DUSTER	55.0	99.0	94.7	82.9
WX3-275	53.3	99.0	94.7	82.3
BARRINGTON (BAR FA6D USA)	53.3	99.0	94.3	82.2
VELOCITY (AA-983)	63.3	88.0	94.0	81.8
BAR FA 6LV	50.0	99.0	95.7	81.6
REGIMENT	50.0	99.0	95.7	81.6
SHENANDOAH II (WRS2)	50.0	99.0	95.7	81.6
BARRERA (BAR FA6 US3)	50.0	99.0	94.3	81.1
GOOD-EN (KOOS 96-14)	50.0	99.0	94.3	81.1
PEDESTAL (PC-AO)	46.7	99.0	95.7	80.4
BAR FA 6D	60.0	85.0	95.3	80.1
BANDANA (PST-R5AE)	45.0	99.0	95.7	79.9
TF6 (BAR FA6 US6F)	45.0	97.7	95.7	79.4
FALCON II	38.3	99.0	94.7	77.3
GAZELLE	40.0	97.7	93.0	76.9
BONSAI	60.0	69.0	94.7	74.6
LSD VALUE	26.5	8.4	3.0	9.3
C.V. (%)	23.1	5.4	2.0	11.4

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 32.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AR1	MO3	NJ2	OK1	MEAN	NAME	AR1	MO3	NJ2	OK1	MEAN
DOMINION (PST-5M5)	93.3	99.0	97.7	99.0	97.3	LION	95.0	99.0	82.7	99.0	93.9
ISI-TF9	95.0	99.0	95.3	99.0	97.1	ONCUE (PST-523)	85.0	96.0	95.3	99.0	93.8
ISI-TF11	93.3	99.0	96.0	99.0	96.8	LEPRECHAUN	85.0	99.0	92.0	99.0	93.8
AXIOM (ATF-192)	91.7	99.0	97.3	99.0	96.8	GOOD-EN (KOOS 96-14)	83.3	99.0	94.3	98.3	93.8
COYOTE	91.7	99.0	97.3	99.0	96.8	BRANDY (J-101)	90.0	99.0	86.7	99.0	93.7
DURANA (MB 211)	93.3	99.0	95.7	99.0	96.8	ALAMO E	86.7	99.0	89.7	99.0	93.6
CORONADO GOLD (PST-5RT)	91.7	99.0	97.0	99.0	96.7	R5AU	86.7	99.0	89.7	99.0	93.6
WILDFIRE (ATF-196)	90.0	99.0	97.0	99.0	96.3	GENESIS	83.3	99.0	93.3	98.7	93.6
PLANTATION (PENNINGTON-1901)	90.0	99.0	95.7	99.0	95.9	MILLENNIUM (TMI-RER)	85.0	96.0	94.3	99.0	93.6
WOLFPACK (PST-R5TK)	91.7	99.0	94.0	99.0	95.9	ATF-022	86.7	99.0	89.3	99.0	93.5
MB 212	90.0	99.0	95.3	99.0	95.8	TRACER (BAR FA6 US1)	81.7	99.0	94.0	99.0	93.4
ATF-257	93.3	99.0	92.0	98.7	95.8	PRO 8430	85.0	97.7	91.7	99.0	93.3
PST-5TO	91.7	99.0	93.3	99.0	95.8	FINELAWN 5LZ (ZPS-5LZ)	90.0	96.0	88.3	99.0	93.3
JAGUAR 3	93.3	99.0	91.0	99.0	95.6	PIXIE E+	88.3	99.0	87.0	99.0	93.3
JTTFA-96	90.0	99.0	94.3	98.7	95.5	CHAPEL HILL (TA-7)	86.7	99.0	88.3	99.0	93.3
MASTERPIECE (LTP-SD-TF)	88.3	99.0	95.7	99.0	95.5	COCHISE II	90.0	99.0	85.0	99.0	93.3
MB 29	91.7	99.0	92.3	99.0	95.5	MB 214	88.3	99.0	86.7	99.0	93.3
ARID II (J-3)	90.0	99.0	93.7	98.7	95.3	WATCHDOG (PICK FA B-93)	88.3	96.0	89.3	99.0	93.2
RESERVE (ATF-182)	88.3	99.0	94.7	99.0	95.3	CORONADO	81.7	99.0	92.7	99.0	93.1
SR 8210	88.3	99.0	94.7	99.0	95.3	MB 26	81.7	99.0	92.7	99.0	93.1
WYATT (ATF-188)	88.3	99.0	95.3	98.3	95.3	SRX 8084	86.7	96.0	90.7	99.0	93.1
SCORPIO (ZPS-2PTF)	88.3	99.0	94.3	99.0	95.2	ARID 3 (J-98)	81.7	99.0	92.7	98.7	93.0
AIRLIE (MB 210)	91.7	96.0	92.7	99.0	94.8	MB 28	81.7	99.0	92.3	99.0	93.0
DP 7952	91.7	99.0	90.0	98.7	94.8	OFI-FWY	86.7	99.0	86.7	99.0	92.8
ISI-TF10	88.3	99.0	93.0	99.0	94.8	RENEGADE	86.7	99.0	86.7	99.0	92.8
MUSTANG II	93.3	94.3	92.7	99.0	94.8	COMSTOCK (SSDE31)	93.3	99.0	80.0	99.0	92.8
SHENANDOAH	88.3	99.0	93.0	99.0	94.8	EA 41	85.0	99.0	88.3	99.0	92.8
SHENANDOAH II (WRS2)	88.3	99.0	92.7	99.0	94.8	OFI-951	85.0	99.0	88.3	99.0	92.8
SOUTHERN CHOICE	86.7	99.0	94.3	99.0	94.8	EMPRESS	80.0	99.0	93.0	99.0	92.8
TAR HEEL	88.3	99.0	92.7	99.0	94.8	REGIMENT	83.3	99.0	89.7	99.0	92.8
ATF-020	90.0	99.0	90.7	99.0	94.7	ANTHEM II (TMI-FMN)	86.7	99.0	86.0	99.0	92.7
BRAVO (RG-93)	83.3	99.0	97.3	99.0	94.7	ARABIA (J-5)	85.0	96.0	89.7	99.0	92.4
CU9501T	86.7	99.0	93.7	98.7	94.5	TITAN 2	91.7	99.0	80.0	99.0	92.4
BAR FA6 US2U	86.7	99.0	93.3	99.0	94.5	BARRINGTON (BAR FA6D USA)	78.3	99.0	93.3	99.0	92.4
MB 213	93.3	99.0	86.7	99.0	94.5	HELIX (WVPB-1D)	83.3	99.0	88.3	99.0	92.4
REMBRANDT (LTP-4026 E+)	88.3	96.0	94.7	99.0	94.5	BULLDAWG (PICK GA-96)	76.7	97.7	96.0	99.0	92.3
ATF-253	91.7	99.0	88.0	99.0	94.4	SRX 8500	78.3	99.0	94.0	98.0	92.3
APACHE II	88.3	99.0	91.0	99.0	94.3	OFI-96-32	90.0	99.0	81.0	99.0	92.3
OLYMPIC GOLD (PST-5E5)	90.0	99.0	89.3	99.0	94.3	REBEL 2000 (AA-989)	80.0	99.0	90.7	99.0	92.2
SAFARI	85.0	99.0	94.3	99.0	94.3	WPEZE (WVPB-1C)	78.3	99.0	92.7	98.7	92.2
REBEL SENTRY (AA-A91)	85.0	99.0	94.0	99.0	94.3	PICK RT-95	78.3	99.0	92.3	99.0	92.2
OFI-96-31	81.7	99.0	97.0	99.0	94.2	CU9502T	78.3	99.0	92.7	98.3	92.1
PSII-TF-10	91.7	99.0	87.7	98.3	94.2	DP 50-9011	85.0	99.0	85.0	99.0	92.0
RED COAT (ATF-038)	91.7	96.0	89.3	99.0	94.0	OFI-931	80.0	99.0	90.0	99.0	92.0
BANDANA (PST-R5AE)	81.7	99.0	96.0	99.0	93.9	TWILIGHT II (TMI-IW)	90.0	99.0	80.0	99.0	92.0

TABLE 32. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS					
NAME	AR1	MO3	NJ2	OK1	MEAN
MARKSMAN	78.3	99.0	91.7	98.7	91.9
PSII-TF-9	86.7	99.0	82.3	99.0	91.8
TULSA	85.0	99.0	84.0	99.0	91.8
FINELAWN PETITE	91.7	96.0	80.0	99.0	91.7
EQUINOX (TMI-N91)	81.7	99.0	86.7	99.0	91.6
ARIZONA (PICK FA 6-91)	90.0	99.0	78.3	99.0	91.6
SUNPRO	78.3	99.0	90.0	99.0	91.6
GAZELLE	75.0	96.0	96.3	98.3	91.4
CROSSFIRE II	76.7	94.3	95.3	99.0	91.3
BARRERA (BAR FA6 US3)	80.0	99.0	86.7	99.0	91.2
GLEN EAGLE (EC-101)	85.0	99.0	81.7	99.0	91.2
PEDESTAL (PC-AO)	85.0	99.0	81.7	99.0	91.2
PICK FA XK-95	75.0	99.0	91.7	99.0	91.2
WX3-275	76.7	99.0	89.0	99.0	90.9
BAR FA 6LV	76.7	96.0	92.3	98.3	90.8
PICK FA N-93	73.3	97.7	93.0	99.0	90.8
VELOCITY (AA-983)	86.7	94.7	83.3	98.3	90.8
MB 216	88.3	99.0	76.0	98.7	90.5
TF6 (BAR FA6 US6F)	75.0	99.0	89.3	98.7	90.5
BAR FA 6D	81.7	95.0	85.3	99.0	90.3
PICK FA UT-93	81.7	99.0	81.7	98.0	90.1
KITTY HAWK S.S.T. (SS45DW)	75.0	99.0	86.7	99.0	89.9
AZTEC II (TMI-AZ)	71.7	99.0	89.7	99.0	89.8
BONSAI 2000 (BULLET)	71.7	99.0	89.7	99.0	89.8
FALCON II	71.7	99.0	89.0	99.0	89.7
DUSTER	80.0	96.0	83.3	99.0	89.6
JTTFC-96	91.7	94.7	72.7	99.0	89.5
JSC-1	90.0	99.0	68.3	99.0	89.1
MB 215	90.0	99.0	68.3	99.0	89.1
TOMAHAWK-E	73.3	96.0	87.7	99.0	89.0
PICK FA 20-92	68.3	99.0	89.0	99.0	88.8
BONSAI	85.0	96.0	75.0	99.0	88.8
ARID	88.3	94.3	73.3	98.7	88.7
PICK FA 15-92	85.0	99.0	71.7	99.0	88.7
DLF-1	83.3	99.0	71.7	98.7	88.2
SHORTSTOP II	71.7	99.0	81.0	98.3	87.5
WVPB-1B	80.0	99.0	71.7	99.0	87.4
KENTUCKY-31 W/ENDO.	88.3	85.0	46.7	99.0	79.8
AV-1	83.3	88.3	48.3	98.3	79.6
LSD VALUE	14.5	3.8	16.5	0.6	5.6
C.V. (%)	10.6	2.4	11.6	0.4	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 33.

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

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

NAME	OK1	VA1	VA4	MEAN	NAME	OK1	VA1	VA4	MEAN
BARFERA (BAR FA6 US3)	4.3	7.0	6.0	5.8	REMBRANDT (LTP-4026 E+)	4.3	5.7	5.7	5.2
SHORTSTOP II	4.0	7.0	6.3	5.8	SRX 8500	4.0	5.7	6.0	5.2
DP 50-9011	4.3	7.0	5.7	5.7	WPEZE (WVPB-1C)	4.0	6.0	5.7	5.2
BAR FA 6LV	4.0	6.0	6.7	5.6	ARABIA (J-5)	4.0	5.3	6.3	5.2
BULLDAWG (PICK GA-96)	4.0	6.0	6.7	5.6	ARID 3 (J-98)	4.0	5.3	6.3	5.2
CORNADO	4.0	6.7	6.0	5.6	BAR FA6 US2U	4.0	6.3	5.3	5.2
MASTERPIECE (LTP-SD-TF)	4.0	6.7	6.0	5.6	BRAVO (RG-93)	4.0	5.3	6.3	5.2
PICK FA 20-92	4.0	6.7	6.0	5.6	GAZELLE	4.0	6.3	5.3	5.2
TRACER (BAR FA6 US1)	4.0	6.7	6.0	5.6	MB 215	4.0	5.3	6.3	5.2
CU9501T	4.0	6.3	6.3	5.6	QNCUE (PST-523)	4.0	6.3	5.3	5.2
EMPRESS	4.0	6.7	5.7	5.4	DURANA (MB 211)	4.0	5.7	5.7	5.1
GLEN EAGLE (EC-101)	4.0	6.7	5.7	5.4	ISI-TF9	4.0	5.7	5.7	5.1
BAR FA 6D	4.0	6.3	6.0	5.4	OFI-931	4.0	5.7	5.7	5.1
CHAEEL HILL (TA-7)	4.3	5.7	6.3	5.4	PSII-TF-9	4.0	5.7	5.7	5.1
COCHISE II	4.0	6.3	6.0	5.4	REBEL SENTRY (AA-A91)	4.0	5.7	5.7	5.1
JAGUAR 3	4.0	6.3	6.0	5.4	RESERVE (ATF-182)	4.0	5.7	5.7	5.1
LEPRECHAUN	4.0	6.3	6.0	5.4	SAFARI	4.0	5.7	5.7	5.1
SHENANDOAH II (WRS2)	4.3	5.7	6.3	5.4	TF6 (BAR FA6 US6F)	4.0	5.7	5.7	5.1
TOMAHAWK-E	4.0	6.3	6.0	5.4	APACHE II	4.0	5.3	6.0	5.1
COMSTOCK (SSDE31)	4.0	6.3	5.7	5.3	AV-1	4.0	6.0	5.3	5.1
COYOTE	4.0	6.0	6.0	5.3	AZTEC II (TMI-AZ)	4.0	5.3	6.0	5.1
CU9502T	4.0	6.7	5.3	5.3	BANDANA (PST-R5AE)	4.0	5.3	6.0	5.1
GENESIS	4.0	6.0	6.0	5.3	BRANDY (J-101)	4.0	5.3	6.0	5.1
MB 213	4.0	5.3	6.7	5.3	CORONADO GOLD (PST-5RT)	4.0	6.0	5.3	5.1
MB 26	4.0	5.3	6.7	5.3	FALCON II	4.0	6.0	5.3	5.1
MILLENNIUM (TMI-RBR)	4.0	5.7	6.3	5.3	ISI-TF10	4.0	5.0	6.3	5.1
OFI-951	4.0	5.7	6.3	5.3	MUSTANG II	4.0	6.0	5.3	5.1
OFI-FWY	4.0	6.3	5.7	5.3	OFI-96-31	4.0	5.0	6.3	5.1
PEDESTAL (PC-AO)	4.0	6.0	6.0	5.3	OLYMPIC GOLD (PST-5E5)	4.0	5.3	6.0	5.1
PICK FA 15-92	4.0	6.0	6.0	5.3	PLANTATION (PENNINGTON-1901)	4.0	5.3	6.0	5.1
PICK FA UT-93	4.0	5.3	6.7	5.3	RED COAT (ATF-038)	4.0	5.3	6.0	5.1
PICK FA XK-95	4.0	6.3	5.7	5.3	SOUTHERN CHOICE	4.0	5.3	6.0	5.1
PICK RT-95	4.3	5.3	6.3	5.3	SRX 8084	4.0	6.3	5.0	5.1
R5AU	4.0	5.3	6.7	5.3	WATCHDOG (PICK FA B-93)	4.0	5.3	6.0	5.1
SUNERO	4.0	6.0	6.0	5.3	WOLFPACK (PST-R5TK)	4.0	6.0	5.3	5.1
ARID II (J-3)	4.0	5.7	6.0	5.2	WVPB-1B	4.3	5.7	5.3	5.1
BONSAI 2000 (BULLET)	4.0	5.7	6.0	5.2	AIRLIE (MB 210)	4.0	5.3	5.7	5.0
CROSSFIRE II	4.0	5.7	6.0	5.2	ARIZONA (PICK FA 6-91)	4.0	5.7	5.3	5.0
FINELAWN 5LZ (ZPS-5LZ)	4.0	5.7	6.0	5.2	AXIOM (ATF-192)	4.0	5.3	5.7	5.0
JTTEA-96	3.7	7.3	4.7	5.2	DP 7952	4.0	6.3	4.7	5.0
JTTEC-96	4.0	6.7	5.0	5.2	DUSTER	4.0	6.0	5.0	5.0
MB 216	4.3	5.3	6.0	5.2	EA 41	4.0	5.0	6.0	5.0
PIXIE E+	4.0	6.0	5.7	5.2	JSC-1	4.0	5.3	5.7	5.0
PSII-TF-10	4.0	6.0	5.7	5.2	MB 28	4.0	5.0	6.0	5.0
PST-5TO	4.0	6.0	5.7	5.2	MB 29	4.0	5.3	5.7	5.0

TABLE 33. WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

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

NAME	OKI	VA1	VA4	MEAN
OFI-96-32	4.0	5.3	5.7	5.0
PICK FA N-93	4.0	5.3	5.7	5.0
SCORPIO (ZPS-2PTF)	4.0	5.3	5.7	5.0
SHENANDOAH	4.0	6.3	4.7	5.0
VELOCITY (AA-983)	4.0	5.3	5.7	5.0
DOMINION (PST-5M5)	4.0	5.0	5.7	4.9
TWILIGHT II (TMI-TW)	4.0	4.7	6.0	4.9
WILDFIRE (ATF-196)	3.7	6.3	4.7	4.9
ALAMO E	4.0	4.3	6.3	4.9
BARRINGTON (BAR FA6D USA)	4.0	5.3	5.3	4.9
EQUINOX (TMI-N91)	4.0	5.3	5.3	4.9
KITTY HAWK S.S.T. (SS45DW)	4.0	5.3	5.3	4.9
MB 212	4.0	5.3	5.3	4.9
MB 214	4.3	4.3	6.0	4.9
ARID	4.0	5.7	4.7	4.8
FINELAWN PETITE	4.0	5.0	5.3	4.8
PRO 8430	4.0	6.0	4.3	4.8
REGIMENT	4.0	5.0	5.3	4.8
RENEGADE	4.0	5.0	5.3	4.8
TULSA	4.0	5.0	5.3	4.8
ANTHEM II (TMI-FMN)	4.0	4.3	5.7	4.7
DLF-1	4.0	5.7	4.3	4.7
GOOD-EN (KOOS 96-14)	4.0	5.3	4.7	4.7
ISI-TF11	4.0	4.7	5.3	4.7
LION	4.0	5.0	5.0	4.7
MARKSMAN	3.7	5.3	5.0	4.7
REBEL 2000 (AA-989)	4.0	4.7	5.3	4.7
SR 8210	4.0	5.7	4.3	4.7
TAR HEEL	4.0	5.7	4.3	4.7
ATF-020	4.0	4.3	5.3	4.6
HELIX (WVPB-1D)	4.0	5.3	4.3	4.6
ATF-022	4.0	4.0	5.3	4.4
BONSAI	4.0	4.3	5.0	4.4
TITAN 2	3.7	5.3	4.3	4.4
WYATT (ATF-188)	4.0	4.3	5.0	4.4
ATF-253	4.0	4.3	4.7	4.3
ATF-257	4.0	3.7	5.3	4.3
KENTUCKY-31 W/ENDO.	4.0	5.0	4.0	4.3
WX3-275	3.7	4.3	5.0	4.3
LSD VALUE	0.3	1.3	1.1	0.6
C.V. (%)	5.2	14.5	12.0	12.2

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 34. DROUGHT TOLERANCE (WILTING) RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

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

NAME	VA1	NAME	VA1
REMBRANDT (LTP-4026 E+)	6.7	COMSTOCK (SSDE31)	4.7
GENESIS	6.3	DLF-1	4.7
REBEL SENTRY (AA-A91)	6.3	DP 50-9011	4.7
WOLFPACK (PST-R5TK)	6.3	ISI-TF10	4.7
CU9502T	6.0	ISI-TF11	4.7
GOOD-EN (KOOS 96-14)	6.0	LEPRECHAUN	4.7
MB 29	6.0	MARKSMAN	4.7
REGIMENT	6.0	OFI-96-31	4.7
TF6 (BAR FA6 US6F)	6.0	OFI-96-32	4.7
DUSTER	5.7	ONCUE (PST-523)	4.7
FINELAWN 5LZ (ZPS-5LZ)	5.7	REBEL 2000 (AA-989)	4.7
OFI-931	5.7	RED COAT (ATF-038)	4.7
OFI-FWY	5.7	RENEGADE	4.7
PEDESTAL (PC-AO)	5.7	RESERVE (ATF-182)	4.7
SHENANDOAH II (WRS2)	5.7	SHORTSTOP II	4.7
SOUTHERN CHOICE	5.7	TITAN 2	4.7
ARABIA (J-5)	5.3	VELOCITY (AA-983)	4.7
ATF-253	5.3	WILDFIRE (ATF-196)	4.7
CHAPEL HILL (TA-7)	5.3	ATF-020	4.3
COYOTE	5.3	ATF-257	4.3
MASTERPIECE (LTP-SD-TF)	5.3	AZTEC II (TMI-AZ)	4.3
OLYMPIC GOLD (PST-5E5)	5.3	BAR FA 6D	4.3
PLANTATION (PENNINGTON-1901)	5.3	BAR FA6 US2U	4.3
SCORPIO (ZPS-2PTF)	5.3	BARREIRA (BAR FA6 US3)	4.3
WPEZE (WVPB-1C)	5.3	BULLDAWG (PICK GA-96)	4.3
AIRLIE (MB 210)	5.0	CORONADO	4.3
EA 41	5.0	CU9501T	4.3
FALCON II	5.0	DURANA (MB 211)	4.3
HELIX (WVPB-1D)	5.0	EMPRESS	4.3
JTTFA-96	5.0	ISI-TF9	4.3
MB 215	5.0	JAGUAR 3	4.3
MB 26	5.0	KITTY HAWK S.S.T. (SS45DW)	4.3
MB 28	5.0	LION	4.3
MILLENNIUM (TMI-RBR)	5.0	MB 212	4.3
PICK FA XK-95	5.0	PICK FA 15-92	4.3
PICK RT-95	5.0	PICK FA N-93	4.3
PIXIE E+	5.0	PICK FA UT-93	4.3
R5AU	5.0	PRO 8430	4.3
SR 8210	5.0	PSII-TF-9	4.3
WATCHDOG (PICK FA B-93)	5.0	PST-5TO	4.3
BAR FA 6LV	4.7	SHENANDOAH	4.3
BARRINGTON (BAR FA6D USA)	4.7	SUNPRO	4.3
BRANDY (J-101)	4.7	TAR HEEL	4.3
BRAVO (RG-93)	4.7	WYATT (ATF-188)	4.3
COCHISE II	4.7	ALAMO E	4.0

TABLE 34. DROUGHT TOLERANCE (WILTING) RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

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

NAME	VA1
ANTHEM II (TMI-FMN)	4.0
ARID 3 (J-98)	4.0
ARID II (J-3)	4.0
ARIZONA (PICK FA 6-91)	4.0
AXIOM (ATF-192)	4.0
BONSAI	4.0
BONSAI 2000 (BULLET)	4.0
CROSSFIRE II	4.0
DOMINION (PST-5M5)	4.0
FINELAWN PETITE	4.0
GAZELLE	4.0
JTIFC-96	4.0
MB 214	4.0
MB 216	4.0
OFT-951	4.0
PICK FA 20-92	4.0
SAFARI	4.0
WVPB-1B	4.0
APACHE II	3.7
ARID	3.7
AV-1	3.7
GLEN EAGLE (EC-101)	3.7
JSC-1	3.7
KENTUCKY-31 W/ENDO.	3.7
MB 213	3.7
MUSTANG II	3.7
SRX 8500	3.7
TRACER (BAR FA6 US1)	3.7
TULSA	3.7
ATF-022	3.3
PSII-TF-10	3.3
SRX 8084	3.3
BANDANA (PST-R5AE)	3.0
CORONADO GOLD (PST-5RT)	3.0
DP 7952	3.0
TOMAHAWK-E	3.0
TWILIGHT II (TMI-TW)	3.0
WX3-275	3.0
EQUINOX (TMI-N91)	2.7
LSD VALUE	2.5
C.V. (%)	34.5

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 35. MICRODOCHIUM PATCH RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

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

NAME	WA1	NAME	WA1
SRX 8084	7.3	BANDANA (PST-R5AE)	5.7
PSII-TF-9	7.0	BONSAI 2000 (BULLET)	5.7
REBEL SENTRY (AA-A91)	7.0	CORONADO GOLD (PST-5RT)	5.7
SAFARI	7.0	CU9501T	5.7
ARID 3 (J-98)	6.7	DOMINION (PST-5M5)	5.7
ATF-257	6.7	GAZELLE	5.7
EQUINOX (TMI-N91)	6.7	GENESIS	5.7
GOOD-EN (KOOS 96-14)	6.7	ISI-TF11	5.7
HELIX (WVPB-1D)	6.7	JAGUAR 3	5.7
TWILIGHT II (TMI-TW)	6.7	MB 215	5.7
ATF-020	6.3	MUSTANG II	5.7
AZTEC II (TMI-AZ)	6.3	ONCUE (PST-523)	5.7
EMPRESS	6.3	PRO 8430	5.7
JSC-1	6.3	REBEL 2000 (AA-989)	5.7
KENTUCKY-31 W/ENDO.	6.3	RED COAT (ATF-038)	5.7
LEPRECHAUN	6.3	SRX 8500	5.7
MARKSMAN	6.3	SUNPRO	5.7
MILLENNIUM (TMI-RBR)	6.3	TF6 (BAR FA6 US6F)	5.7
OFI-96-31	6.3	TOMAHAWK-E	5.7
PICK FA 20-92	6.3	WPEZE (WVPB-1C)	5.7
TITAN 2	6.3	ALAMO E	5.3
TULSA	6.3	ANTHEM II (TMI-FMN)	5.3
ARID	6.0	COMSTOCK (SSDE31)	5.3
AV-1	6.0	CU9502T	5.3
BARRERA (BAR FA6 US3)	6.0	FINELAWN 5LZ (ZPS-5LZ)	5.3
BONSAI	6.0	KITTY HAWK S.S.T. (SS45DW)	5.3
DLF-1	6.0	MASTERPIECE (LTP-SD-TF)	5.3
DP 7952	6.0	MB 212	5.3
OFI-931	6.0	MB 213	5.3
OFI-96-32	6.0	OLYMPIC GOLD (PST-5E5)	5.3
PICK FA 15-92	6.0	PICK FA N-93	5.3
PLANTATION (PENNINGTON-1901)	6.0	PIXIE E+	5.3
PSII-TF-10	6.0	RESERVE (ATF-182)	5.3
R5AU	6.0	SCORPIO (ZPS-2PTF)	5.3
REGIMENT	6.0	SHORTSTOP II	5.3
SHENANDOAH	6.0	SR 8210	5.3
SHENANDOAH II (WRS2)	6.0	VELOCITY (AA-983)	5.3
SOUTHERN CHOICE	6.0	BAR FA 6D	5.0
WOLFPACK (PST-R5TK)	6.0	BAR FA6 US2U	5.0
WVPB-1B	6.0	BARRINGTON (BAR FA6D USA)	5.0
WX3-275	6.0	BRAVO (RG-93)	5.0
APACHE II	5.7	BULLDAWG (PICK GA-96)	5.0
ARIZONA (PICK FA 6-91)	5.7	COCHISE II	5.0
ATF-022	5.7	CORONADO	5.0
ATF-253	5.7	COYOTE	5.0

TABLE 35. MICRODOCHIUM PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

MICRODOCHIUM PATCH RATINGS 1-9; 9=NO DISEASE

NAME	WA1
DP 50-9011	5.0
DURANA (MB 211)	5.0
DUSTER	5.0
FALCON II	5.0
JTTFA-96	5.0
MB 26	5.0
MB 28	5.0
OPI-FWY	5.0
PICK RT-95	5.0
REMBRANDT (LTP-4026 E+)	5.0
TAR HEEL	5.0
WATCHDOG (PICK FA B-93)	5.0
AIRLIE (MB 210)	4.7
ARID II (J-3)	4.7
BRANDY (J-101)	4.7
CHAPEL HILL (TA-7)	4.7
CROSSFIRE II	4.7
EA 41	4.7
FINELAWN PETITE	4.7
GLEN EAGLE (EC-101)	4.7
JTTFC-96	4.7
LION	4.7
MB 29	4.7
PEDESTAL (PC-AO)	4.7
PICK FA XK-95	4.7
ARABIA (J-5)	4.3
BAR FA 6LV	4.3
ISI-TF10	4.3
MB 216	4.3
PST-5TO	4.3
RENEGADE	4.3
AXIOM (ATF-192)	4.0
MB 214	4.0
OPI-951	4.0
PICK FA UT-93	4.0
TRACER (BAR FA6 US1)	4.0
WILDFIRE (ATF-196)	4.0
ISI-TF9	3.7
WYATT (ATF-188)	3.7
LSD VALUE	1.9
C.V. (%)	21.2

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 36. RED THREAD RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

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

NAME	NJ1	NAME	NJ1
KENTUCKY-31 W/ENDO.	9.0	FINELAWN PETITE	5.3
CU9501T	7.0	GLEN EAGLE (EC-101)	5.3
MB 216	7.0	MB 26	5.3
DLF-1	6.7	MILLENNIUM (TMI-RBR)	5.3
ATF-020	6.3	OFI-96-32	5.3
ATF-253	6.3	PICK FA 15-92	5.3
BAR FA6 US2U	6.3	PICK FA N-93	5.3
BARBERA (BAR FA6 US3)	6.3	REBEL 2000 (AA-989)	5.3
BARRINGTON (BAR FA6D USA)	6.3	REGIMENT	5.3
HELIX (WVPB-1D)	6.3	WOLFPACK (PST-R5TK)	5.3
JSC-1	6.3	WVPB-1B	5.3
KITTY HAWK S.S.T. (SS45DW)	6.3	WX3-275	5.3
MB 215	6.3	ARID II (J-3)	5.0
RED COAT (ATF-038)	6.3	AZTEC II (TMI-AZ)	5.0
BAR FA 6D	6.0	DUSTER	5.0
COMSTOCK (SSDE31)	6.0	FALCON II	5.0
ISI-TF9	6.0	FINELAWN 5LZ (ZPS-5LZ)	5.0
MB 29	6.0	GOOD-EN (KOOS 96-14)	5.0
PEDESTAL (PC-AO)	6.0	MASTERPIECE (LTP-SD-TF)	5.0
PSII-TF-10	6.0	MB 213	5.0
RESERVE (ATF-182)	6.0	OFI-951	5.0
SUNERO	6.0	OFI-96-31	5.0
ARABIA (J-5)	5.7	OLYMPIC GOLD (PST-5E5)	5.0
ARID	5.7	SRX 8500	5.0
ARID 3 (J-98)	5.7	TAR HEEL	5.0
BONSAI	5.7	TWILIGHT II (TMI-TW)	5.0
BRANDY (J-101)	5.7	WILDFIRE (ATF-196)	5.0
CHAPEL HILL (TA-7)	5.7	WPEZE (WVPB-1C)	5.0
MARKSMAN	5.7	ATF-022	4.7
MB 214	5.7	ATF-257	4.7
MB 28	5.7	AV-1	4.7
OFI-931	5.7	BONSAI 2000 (BULLET)	4.7
ONCUE (PST-523)	5.7	BRAVO (RG-93)	4.7
PIXIE E+	5.7	COCHISE II	4.7
REBEL SENTRY (AA-A91)	5.7	CORONADO	4.7
TOMAHAWK-E	5.7	DP 50-9011	4.7
VELOCITY (AA-983)	5.7	GENESIS	4.7
AIRLIE (MB 210)	5.3	LEPRECHAUN	4.7
APACHE II	5.3	LION	4.7
ARIZONA (PICK FA 6-91)	5.3	MB 212	4.7
AXICM (ATF-192)	5.3	MUSTANG II	4.7
BAR FA 6LV	5.3	OFI-FWY	4.7
CU9502T	5.3	PICK FA XK-95	4.7
DOMINION (PST-5M5)	5.3	PICK RT-95	4.7
EMPRESS	5.3	R5AU	4.7

TABLE 36. RED THREAD RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	NJ1
SAFARI	4.7
TITAN 2	4.7
TULSA	4.7
CORONADO GOLD (PST-5RT)	4.3
DURANA (MB 211)	4.3
EA 41	4.3
EQUINOX (TMI-N91)	4.3
ISI-TF10	4.3
PICK FA UT-93	4.3
PST-5TO	4.3
RENEGADE	4.3
SCORPIO (ZPS-2PTF)	4.3
SOUTHERN CHOICE	4.3
TF6 (BAR FA6 US6F)	4.3
ALAMO E	4.0
ANTHEM II (TMI-FMN)	4.0
CROSSFIRE II	4.0
ISI-TF11	4.0
PICK FA 20-92	4.0
REMBRANDT (LTP-4026 E+)	4.0
SHORTSTOP II	4.0
TRACER (BAR FA6 US1)	4.0
COYOTE	3.7
DP 7952	3.7
PLANTATION (PENNINGTON-1901)	3.7
PRO 8430	3.7
PSII-TF-9	3.7
SHENANDOAH	3.7
SHENANDOAH II (WRS2)	3.7
SR 8210	3.7
SPX 8084	3.7
WYATT (ATF-188)	3.7
BANDANA (PST-R5AE)	3.3
JTTFC-96	3.3
WATCHDOG (PICK FA B-93)	3.3
JAGUAR 3	3.0
GAZELLE	2.7
JTTFA-96	2.7
BULLDAWG (PICK GA-96)	2.3
LSD VALUE	3.0
C.V. (%)	37.2

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 37. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS 1/
1999 DATA

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

NAME	AR1	KS2	ME1	NE1	NE2	NJ2	MEAN
ISI-TF10	6.7	8.3	6.3	5.3	5.3	6.0	6.3
PST-5TO	7.0	8.3	6.0	6.0	4.7	6.0	6.3
ARID 3 (J-98)	8.0	7.0	7.0	5.0	4.7	6.0	6.3
ATF-257	8.7	8.3	5.3	5.0	3.3	7.0	6.3
JAGUAR 3	7.3	7.3	6.7	5.7	4.0	6.7	6.3
CU9502T	7.7	8.3	7.3	4.0	4.7	5.3	6.2
WVPB-1B	7.3	7.7	5.7	6.0	4.0	6.7	6.2
BRAVO (RG-93)	7.0	7.7	6.7	4.7	4.7	6.3	6.2
MB 29	7.0	8.0	5.7	4.7	4.3	7.3	6.2
CROSSFIRE II	7.3	8.3	7.0	3.7	3.0	7.3	6.1
PICK FA XK-95	6.3	7.3	6.0	6.0	4.7	6.3	6.1
RED COAT (ATF-038)	7.3	8.7	4.3	6.0	4.3	6.0	6.1
FALCON II	6.7	7.7	6.0	5.0	5.3	5.7	6.1
HELIX (WVPB-1D)	7.7	7.3	5.0	5.3	3.7	7.3	6.1
PLANTATION (PENNINGTON-1901)	7.7	7.7	6.3	5.0	3.0	6.7	6.1
SCORPIO (ZPS-2PTF)	7.7	7.7	6.3	5.3	3.7	5.7	6.1
ISI-TF9	7.0	8.0	4.7	6.3	4.3	6.0	6.1
BARRERA (BAR FA6 US3)	8.0	7.3	5.3	5.0	4.3	6.0	6.0
JTTFC-96	7.0	8.3	4.0	5.0	5.0	6.7	6.0
MARKSMAN	7.3	6.7	5.0	5.0	5.0	7.0	6.0
MASTERPIECE (LTP-SD-TF)	7.0	7.7	5.7	5.7	3.0	7.0	6.0
MB 214	6.0	7.7	6.7	5.7	4.3	5.7	6.0
PICK FA 20-92	7.3	7.3	5.7	5.0	4.7	6.0	6.0
SAFARI	7.3	8.3	5.0	5.7	4.7	5.0	6.0
BARRINGTON (BAR FA6D USA)	5.3	8.3	8.0	5.3	3.3	5.3	5.9
DURANA (MB 211)	7.0	7.3	5.7	5.0	4.3	6.3	5.9
MILLENNIUM (TMI-RBR)	8.0	7.3	6.0	4.7	4.3	5.3	5.9
BANDANA (PST-R5AE)	7.0	8.0	6.0	5.0	3.0	6.3	5.9
CORONADO GOLD (PST-5RT)	6.7	8.0	5.3	5.7	3.7	6.0	5.9
RESERVE (ATF-182)	7.0	7.7	6.0	5.7	4.0	5.0	5.9
SHENANDOAH	6.3	7.7	6.3	4.0	4.7	6.3	5.9
SHENANDOAH II (WRS2)	6.7	8.0	6.0	5.3	4.7	4.7	5.9
WATCHDOG (PICK FA B-93)	8.3	7.7	6.0	4.7	3.0	5.7	5.9
WPEZE (WVPB-1C)	8.0	7.7	3.7	5.3	4.3	6.3	5.9
OLYMPIC GOLD (PST-5E5)	8.3	8.7	6.3	4.0	3.0	5.0	5.9
APACHE II	6.7	8.7	6.0	3.7	5.3	4.7	5.8
AZTEC II (TMI-AZ)	6.3	7.0	6.0	6.0	4.0	5.7	5.8
BAR FA 6D	6.3	8.0	5.7	6.0	4.7	4.3	5.8
MB 213	6.7	7.3	6.3	4.0	3.7	7.0	5.8
TAR HEEL	7.3	8.7	5.7	4.0	3.0	6.3	5.8
AIRLIE (MB 210)	7.3	8.3	6.0	4.3	2.7	6.0	5.8
CU9501T	7.0	8.0	6.7	4.7	2.7	5.7	5.8
DP 50-9011	6.7	6.3	7.7	5.3	2.7	6.0	5.8
BONSAI	4.7	6.7	5.3	7.0	4.3	6.7	5.8

TABLE 37. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	AR1	KS2	ME1	NE1	NE2	NJ2	MEAN
OFI-931	5.0	7.3	6.0	6.0	6.0	4.3	5.8
REBEL SENTRY (AA-A91)	7.0	8.0	4.0	6.0	2.3	7.3	5.8
REMBRANDT (LTP-4026 E+)	7.3	7.7	6.7	4.0	4.3	4.7	5.8
SRX 8500	6.0	7.3	4.3	6.3	5.0	5.7	5.8
WYATT (ATF-188)	6.0	7.0	5.7	5.3	5.0	5.7	5.8
ARIZONA (PICK FA 6-91)	6.7	7.0	5.0	5.7	3.7	6.3	5.7
ATF-253	7.0	8.3	4.7	5.3	2.7	6.3	5.7
CHAPEL HILL (TA-7)	7.0	8.3	5.3	5.3	2.7	5.7	5.7
GENESIS	6.7	8.0	5.3	4.7	4.3	5.3	5.7
JTTFA-96	7.0	7.0	4.0	5.3	4.7	6.3	5.7
ONCUE (PST-523)	7.7	7.3	5.3	3.7	3.0	7.3	5.7
PICK FA N-93	6.3	6.7	6.0	6.0	4.0	5.3	5.7
R5AU	7.7	8.3	5.3	4.7	2.7	5.7	5.7
TWILIGHT II (TMI-TW)	5.7	7.3	4.0	5.7	5.0	6.7	5.7
WILDFIRE (ATF-196)	5.0	7.3	5.0	5.7	5.0	6.3	5.7
WOLFPACK (PST-R5TK)	6.7	8.3	5.7	4.3	3.7	5.7	5.7
DOMINION (PST-5M5)	8.0	7.7	5.3	4.3	3.3	5.7	5.7
EQUINOX (TMI-N91)	7.3	7.3	4.0	5.3	5.0	5.3	5.7
PIXIE E+	6.3	7.3	4.3	5.0	5.3	6.0	5.7
PSII-TF-9	6.0	7.0	5.3	4.7	5.3	6.0	5.7
WX3-275	6.0	7.3	5.7	5.3	5.0	5.0	5.7
ATF-020	6.7	7.7	5.3	5.0	3.3	6.0	5.7
BAR FA6 US2U	7.3	7.7	6.7	3.3	4.3	4.7	5.7
BULLDAWG (PICK GA-96)	5.7	8.0	4.7	5.7	4.0	6.0	5.7
EA 41	6.0	8.0	4.7	5.3	5.0	5.0	5.7
LEPRECHAUN	7.0	6.7	4.7	6.0	3.7	6.0	5.7
OFI-FWY	6.7	6.3	6.0	5.3	5.0	4.7	5.7
PICK RT-95	7.0	7.0	6.7	4.3	3.3	5.7	5.7
PSII-TF-10	6.7	7.0	4.3	6.3	4.0	5.7	5.7
REBEL 2000 (AA-989)	8.7	8.0	5.3	3.3	2.7	6.0	5.7
SOUTHERN CHOICE	7.3	7.3	6.0	4.7	3.3	5.3	5.7
SR 8210	5.3	7.0	5.7	6.7	3.3	6.0	5.7
SUNPRO	7.0	7.3	5.3	4.7	3.7	6.0	5.7
TRACER (BAR FA6 US1)	7.3	7.7	5.3	5.7	2.7	5.3	5.7
TULSA	6.3	8.0	5.0	5.7	3.7	5.3	5.7
COMSTOCK (SSDE31)	6.0	7.7	5.7	4.7	4.7	5.0	5.6
EMPRESS	7.0	7.0	5.0	5.0	3.7	6.0	5.6
GAZELLE	5.0	7.3	6.7	5.7	5.0	4.0	5.6
JSC-1	6.7	8.0	5.3	4.7	3.7	5.3	5.6
ARID II (J-3)	6.0	6.3	6.7	5.3	4.7	4.7	5.6
FINELAWN PETITE	6.7	7.3	4.0	4.7	4.3	6.7	5.6
MB 212	6.7	7.3	6.0	5.3	3.0	5.3	5.6
MUSTANG II	7.7	7.3	5.3	5.3	2.7	5.3	5.6
PEDESTAL (PC-AO)	6.7	7.7	6.3	4.3	3.0	5.7	5.6
ANTHEM II (TMI-FMN)	6.0	6.7	4.7	5.7	4.3	6.0	5.6

TABLE 37. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE							
NAME	AR1	KS2	ME1	NE1	NE2	NJ2	MEAN
BONSAI 2000 (BULLET)	7.0	7.3	5.3	4.7	3.7	5.3	5.6
CORONADO	6.0	6.3	6.7	5.7	2.7	6.0	5.6
COYOIE	7.7	7.7	4.7	5.7	2.3	5.3	5.6
GOOD-EN (KOOS 96-14)	6.3	7.3	4.3	5.3	4.7	5.3	5.6
FINELAWN 5LZ (ZPS-5LZ)	6.0	7.0	5.0	5.3	4.3	5.7	5.6
GLEN EAGLE (EC-101)	7.3	7.0	5.0	5.7	3.3	5.0	5.6
ISI-TF11	8.0	7.3	5.0	4.0	3.3	5.7	5.6
REGIMENT	6.3	7.3	4.0	5.3	3.3	7.0	5.6
TF6 (BAR FA6 US6F)	6.3	8.0	5.3	4.3	4.3	5.0	5.6
BRANDY (J-101)	6.3	7.0	6.3	6.0	3.0	4.3	5.5
PRO 8430	6.7	7.7	4.3	5.3	4.0	5.0	5.5
DUSTER	6.0	7.3	6.3	4.3	4.3	4.7	5.5
ARID	6.3	8.3	3.7	5.0	4.0	5.3	5.4
DLF-1	6.7	7.7	4.3	5.7	3.0	5.3	5.4
ATF-022	6.3	8.3	3.3	5.3	3.0	6.3	5.4
MB 215	6.3	7.7	4.7	4.0	4.3	5.7	5.4
KITTY HAWK S.S.T. (SS45DW)	4.7	7.3	6.0	5.0	4.0	5.3	5.4
MB 216	6.0	7.7	5.0	4.0	3.7	6.0	5.4
RENEGADE	6.7	7.7	5.3	4.0	3.0	5.7	5.4
OFI-951	5.7	5.3	5.3	5.7	4.3	6.0	5.4
VELOCITY (AA-983)	6.3	7.7	5.7	4.3	3.3	5.0	5.4
AV-1	5.0	7.3	5.3	5.3	4.7	4.3	5.3
AXIOM (ATF-192)	5.7	7.3	4.0	5.7	4.0	5.3	5.3
MB 26	5.7	7.7	4.7	4.7	3.7	5.7	5.3
OFI-96-31	6.0	7.0	4.3	5.3	3.3	6.0	5.3
TOMAHAWK-E	5.0	7.3	6.3	5.3	3.7	4.3	5.3
BAR FA 6LV	4.3	7.7	5.7	6.3	2.7	5.0	5.3
OFI-96-32	6.7	7.3	4.3	4.3	3.3	5.7	5.3
DP 7952	4.7	7.0	4.3	6.3	4.0	5.0	5.2
LION	6.0	7.3	5.0	3.7	3.7	5.7	5.2
PICK FA UT-93	4.7	7.3	4.7	6.0	3.7	5.0	5.2
SRX 8084	6.3	7.3	4.7	5.0	3.3	4.7	5.2
TITAN 2	7.0	8.7	4.3	3.0	3.0	5.3	5.2
ALAMO E	5.0	6.3	5.0	5.0	4.7	5.0	5.2
ARABIA (J-5)	4.7	7.0	5.0	5.3	4.0	5.0	5.2
COCHISE II	7.0	7.0	4.0	4.7	3.7	4.7	5.2
PICK FA 15-92	4.3	7.0	5.0	6.0	2.7	5.3	5.1
MB 28	6.3	6.7	4.3	4.0	4.0	4.7	5.0
SHORTSTOP II	6.7	7.3	4.3	4.7	2.3	3.3	4.8
KENTUCKY-31 W/ENDO.	6.0	9.0	2.0	2.7	3.3	5.3	4.7
LSD VALUE	2.0	1.4	2.2	1.9	2.5	1.7	0.8
C.V. (%)	19.2	12.0	25.0	22.9	39.5	18.5	21.6

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 38. PERCENT BROWN PATCH (JULY) RATINGS OF TALL FESCUE CULTIVARS 1/ 2/
1999 DATA

NAME	KY1	NAME	KY1
TWILIGHT II (TMI-TW)	26.3	PICK RT-95	12.0
BONSAI 2000 (BULLET)	24.3	RED COAT (ATF-038)	12.0
PICK FA 15-92	23.7	TULSA	12.0
BULLDAWG (PICK GA-96)	22.3	ARID	11.7
TITAN 2	21.7	MB 212	11.7
MB 26	21.3	RESERVE (ATF-182)	11.7
CORONADO	20.3	SAFARI	11.7
OFI-931	19.0	SCORPIO (ZPS-2PTF)	11.7
OFI-951	18.7	MB 216	11.3
PICK FA UT-93	17.7	PST-5TO	11.3
FINELAWN 5LZ (ZPS-5LZ)	17.0	SRX 8084	11.3
ARID 3 (J-98)	16.7	GAZELE	11.0
BAR FA 6LV	16.7	GENESIS	11.0
PICK FA 20-92	16.7	JTTFA-96	11.0
TOMAHAWK-E	16.7	TF6 (BAR FA6 US6F)	11.0
KITTY HAWK S.S.T. (SS45DW)	16.3	AZTEC II (TMI-AZ)	10.7
MB 214	16.3	FALCON II	10.7
PICK FA N-93	16.3	PSII-TF-10	10.7
SRX 8500	16.0	AV-1	10.0
OFI-FWY	15.7	LEPRECHAUN	10.0
WPEZE (WVPB-1C)	15.7	MB 215	10.0
MB 213	15.3	PSII-TF-9	10.0
TAR HEEL	15.3	REBEL SENTRY (AA-A91)	10.0
COYOTE	15.0	REMBRANDT (LTP-4026 E+)	10.0
DURANA (MB 211)	15.0	RENEGADE	10.0
PEDESTAL (PC-AO)	15.0	SUNPRO	10.0
ALAMO E	14.7	ATF-020	9.7
ARABIA (J-5)	14.7	CU9502T	9.7
WATCHDOG (PICK FA B-93)	14.7	MUSTANG II	9.7
WYATT (ATF-188)	14.7	OFI-96-31	9.7
FINELAWN PETITE	14.3	SR 8210	9.7
CU9501T	14.0	BARRERA (BAR FA6 US3)	9.3
MILLENNIUM (TMI-RBR)	14.0	COMSTOCK (SSDE31)	9.3
PRO 8430	14.0	EMPRESS	9.3
SOUTHERN CHOICE	13.7	ISI-TF10	9.3
EA 41	13.3	BRAVO (RG-93)	9.0
ARID II (J-3)	13.0	DUSTER	9.0
BONSAI	13.0	ISI-TF9	9.0
BRANDY (J-101)	13.0	REGIMENT	9.0
DP 50-9011	13.0	BANDANA (PST-R5AE)	8.7
EQUINOX (TMI-N91)	13.0	MASTERPIECE (LTP-SD-TF)	8.7
PICK FA XK-95	13.0	ANTHEM II (TMI-FMN)	8.3
BAR FA 6D	12.3	SHENANDOAH II (WRS2)	8.3
SHENANDOAH	12.3	APACHE II	8.0
HELIX (WVPB-1D)	12.0	ARIZONA (PICK FA 6-91)	7.3
MB 28	12.0	BARRINGTON (BAR FA6D USA)	7.3

TABLE 38. PERCENT BROWN PATCH (JULY) RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1999 DATA

NAME	KY1
GLEN EAGLE (EC-101)	7.3
MB 29	7.3
OFT-96-32	7.3
WOLFPACK (PST-R5TK)	7.3
WVPB-1B	7.3
AIRLIE (MB 210)	7.0
DIF-1	7.0
LION	7.0
DP 7952	6.7
SHORTSTOP II	6.7
VELOCITY (AA-983)	6.7
ATF-257	6.3
BAR FA6 US2U	6.3
CHAPEL HILL (TA-7)	6.3
CORONADO GOLD (PST-5RT)	6.3
DOMINION (PST-5M5)	6.3
MARKSMAN	6.3
PIXIE E+	6.3
JTTFC-96	5.7
ONCUE (PST-523)	5.7
PLANTATION (PENNINGTON-1901)	5.7
WILDFIRE (ATF-196)	5.7
WX3-275	5.7
CROSSFIRE II	5.3
ISI-TF11	5.3
AXIOM (ATF-192)	5.0
GOOD-EN (KOOS 96-14)	4.7
COCHISE II	4.3
JSC-1	4.0
ATF-022	3.0
JAGUAR 3	3.0
REBEL 2000 (AA-989)	3.0
OLYMPIC GOLD (PST-5E5)	2.7
TRACER (BAR FA6 US1)	2.7
R5AU	2.0
ATF-253	0.3
KENTUCKY-31 W/ENDO.	0.0
LSD VALUE	10.6
C.V. (%)	60.7

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 39.

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
 AT STILLWATER, OK 1/
 1999 DATA

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

NAME	JUNE	AUGUST	MEAN	NAME	JUNE	AUGUST	MEAN
APACHE II	9.0	9.0	9.0	WOLFPACK (PST-R5TK)	9.0	8.7	8.8
ARID	9.0	9.0	9.0	WPEZE (WVPB-1C)	9.0	8.7	8.8
ARID 3 (J-98)	9.0	9.0	9.0	ARABIA (J-5)	8.3	9.0	8.7
ATF-020	9.0	9.0	9.0	ARIZONA (PICK FA 6-91)	9.0	8.3	8.7
ATF-257	9.0	9.0	9.0	ATF-022	9.0	8.3	8.7
CU9502T	9.0	9.0	9.0	ATF-253	9.0	8.3	8.7
ISI-TF11	9.0	9.0	9.0	AV-1	8.3	9.0	8.7
KENTUCKY-31 W/ENDO.	9.0	9.0	9.0	AZTEC II (TMI-AZ)	8.7	8.7	8.7
LION	9.0	9.0	9.0	BAR FA6 US2U	9.0	8.3	8.7
MARKSMAN	9.0	9.0	9.0	BONSAI 2000 (BULLET)	8.3	9.0	8.7
MB 28	9.0	9.0	9.0	BRAVO (RG-93)	9.0	8.3	8.7
MB 29	9.0	9.0	9.0	CHAPEL HILL (TA-7)	9.0	8.3	8.7
PEDESTAL (PC-AO)	9.0	9.0	9.0	COMSTOCK (SSDE31)	9.0	8.3	8.7
PST-5TO	9.0	9.0	9.0	CU9501T	8.7	8.7	8.7
REBEL 2000 (AA-989)	9.0	9.0	9.0	DP 50-9011	9.0	8.3	8.7
RENEGADE	9.0	9.0	9.0	EA 41	8.3	9.0	8.7
RESERVE (ATF-182)	9.0	9.0	9.0	EMPRESS	9.0	8.3	8.7
AIRLIE (MB 210)	9.0	8.7	8.8	EQUINOX (TMI-N91)	8.7	8.7	8.7
AXIOM (ATF-192)	9.0	8.7	8.8	FALCON II	9.0	8.3	8.7
BAR FA 6D	9.0	8.7	8.8	GENESIS	9.0	8.3	8.7
BAR FA 6LV	9.0	8.7	8.8	GOOD-EN (KOOS 96-14)	9.0	8.3	8.7
BARRERA (BAR FA6 US3)	9.0	8.7	8.8	JTTFA-96	9.0	8.3	8.7
BRANDY (J-101)	8.7	9.0	8.8	KITTY HAWK S.S.T. (SS45DW)	9.0	8.3	8.7
CROSSFIRE II	9.0	8.7	8.8	MASTERPIECE (LTP-SD-TF)	9.0	8.3	8.7
DOMINION (PST-5M5)	9.0	8.7	8.8	MB 214	9.0	8.3	8.7
DP 7952	9.0	8.7	8.8	OFI-951	9.0	8.3	8.7
FINELAWN 5LZ (ZPS-5LZ)	9.0	8.7	8.8	OFI-96-32	8.7	8.7	8.7
FINELAWN PETITE	9.0	8.7	8.8	OFI-FWY	9.0	8.3	8.7
HELIX (WVPB-1D)	9.0	8.7	8.8	PICK FA 15-92	9.0	8.3	8.7
ISI-TF9	9.0	8.7	8.8	R5AU	9.0	8.3	8.7
JSC-1	9.0	8.7	8.8	SR 8210	9.0	8.3	8.7
LEPRECHAUN	9.0	8.7	8.8	SUNPRO	9.0	8.3	8.7
MB 213	9.0	8.7	8.8	WILDFIRE (ATF-196)	8.7	8.7	8.7
OFI-931	9.0	8.7	8.8	ANTHEM II (TMI-FMN)	8.3	8.7	8.5
OLYMPIC GOLD (PST-5E5)	9.0	8.7	8.8	ARID II (J-3)	9.0	8.0	8.5
PSII-TF-9	9.0	8.7	8.8	BANDANA (PST-R5AE)	9.0	8.0	8.5
REBEL SENTRY (AA-A91)	9.0	8.7	8.8	COCHISE II	9.0	8.0	8.5
RED COAT (ATF-038)	9.0	8.7	8.8	CORONADO GOLD (PST-5RT)	9.0	8.0	8.5
SAFARI	9.0	8.7	8.8	COYOTE	8.7	8.3	8.5
SHENANDOAH	9.0	8.7	8.8	DLF-1	9.0	8.0	8.5
SOUTHERN CHOICE	9.0	8.7	8.8	DURANA (MB 211)	8.3	8.7	8.5
TAR HEEL	9.0	8.7	8.8	GLEN EAGLE (EC-101)	9.0	8.0	8.5
TF6 (BAR FA6 US6F)	9.0	8.7	8.8	ISI-TF10	8.3	8.7	8.5
TOMAHAWK-E	9.0	8.7	8.8	MB 215	8.7	8.3	8.5
TRACER (BAR FA6 US1)	9.0	8.7	8.8	MB 26	8.7	8.3	8.5

TABLE 39. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT STILLWATER, OK
1999 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	JUNE	AUGUST	MEAN
OFI-96-31	8.7	8.3	8.5
ONCUE (PST-523)	9.0	8.0	8.5
PICK FA UT-93	9.0	8.0	8.5
PIXIE E+	8.3	8.7	8.5
PLANTATION (PENNINGTON-1901)	9.0	8.0	8.5
PRO 8430	9.0	8.0	8.5
PSII-TF-10	8.7	8.3	8.5
REGIMENT	9.0	8.0	8.5
REMBRANDT (LTP-4026 E+)	9.0	8.0	8.5
SHENANDOAH II (WRS2)	8.7	8.3	8.5
SHORTSTOP II	9.0	8.0	8.5
SRX 8500	8.7	8.3	8.5
TITAN 2	9.0	8.0	8.5
TULSA	9.0	8.0	8.5
WYATT (ATF-188)	8.7	8.3	8.5
DUSTER	8.7	8.0	8.3
JAGUAR 3	8.7	8.0	8.3
MB 212	9.0	7.7	8.3
MUSTANG II	9.0	7.7	8.3
PICK FA 20-92	8.7	8.0	8.3
PICK FA XK-95	8.7	8.0	8.3
PICK RT-95	9.0	7.7	8.3
SRX 8084	9.0	7.7	8.3
VELOCITY (AA-983)	9.0	7.7	8.3
BARRINGTON (BAR FA6D USA)	8.7	7.7	8.2
JTFC-96	9.0	7.3	8.2
MB 216	9.0	7.3	8.2
PICK FA N-93	8.7	7.7	8.2
TWILIGHT II (TMI-TW)	7.7	8.7	8.2
WATCHDOG (PICK FA B-93)	9.0	7.3	8.2
WVPB-1B	8.3	8.0	8.2
WX3-275	8.7	7.7	8.2
ALAMO E	8.7	7.3	8.0
BULLDAWG (PICK GA-96)	8.7	7.3	8.0
SCORPIO (ZPS-2PTF)	8.7	7.3	8.0
CORONADO	8.7	7.0	7.8
MILLENNIUM (TMI-RBR)	8.3	7.3	7.8
GAZELLE	8.0	7.0	7.5
BONSAI	7.0	7.7	7.3
LSD	1.4	3.0	1.7
C.V. (%)	5.1	9.8	5.8

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.