

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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LOCATIONS SUBMITTING DATA FOR 1993

<u>State</u>	<u>Location</u>	<u>Code</u>
Alabama	Auburn University	AL1
Arkansas	Fayetteville (full sun)	AR1
Arkansas	Fayetteville (uniform shade)	AR2
Arizona	Tucson	AZ1
British Columbia	Vancouver	BC1
California	Santa Clara	CA1
California	Riverside	CA3
Colorado	Fort Collins	CO1
District of Columbia	Washington Monument Grounds	DC1
Georgia	Griffin (high pH)	GA1
Georgia	Griffin (low pH)	GA2
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
Kansas	Manhattan	KS1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Louisiana	Calhoun	LA2
Maryland	Beltsville (high maintenance)	UB1
Maryland	Beltsville (low maintenance)	UB2
Maryland	Silver Spring	MD1
Massachusetts	Deerfield	MA1
Mississippi	Mississippi State	MS1
Missouri	Columbia	MO1
Missouri	New Franklin	MO2
Missouri	St. Louis	MO3
Missouri	Mount Vernon	MO4
Nebraska	Lincoln (high maintenance)	NE1
Nebraska	Lincoln (low maintenance)	NE2
Nebraska	North Platte	NE3
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
Pennsylvania	University Park (medium maintenance)	PA1
Pennsylvania	University Park (four mowings/year)	PA2
Rhode Island	Kingston	RI1
South Dakota	Brookings	SD1
Saskatchewan	Saskatoon	SK1
Texas	Dallas	TX1
Virginia	Blacksburg	VA1
Virginia	Virginia Beach	VA4
Virginia	Charlottesville	VA8
Washington	Pullman	WA1

**1992 NATIONAL TALL FESCUE TEST
Entries and Sponsors**

Entry	Name	Sponsor	Entry	Name	Sponsor	Entry	Name	Sponsor
1	Avanti	Davenport Seed Co.	41	Cochise	Ampac Seed Co.	80	Falcon	E.F. Burlingham
2	Lexus	Barenbrug/USA	42	M-2	Mid-Valley Ag Products			(Standard entry)
3	Vegas	Barenbrug/USA	43	403	Mid-Valley Ag Products	81	Falcon II (MB-21-92)	E.F. Burlingham
4	Austin	Barenbrug/USA	44	Anthem	Green Seed Co.	82	MB-22-92	E.F. Burlingham
5	BAR Fa 214	Barenbrug/Holding	45	Astro 2000	Green Seed Co.	83	MB-23-92	E.F. Burlingham
6	BAR Fa 2AB	Barenbrug/Holding	46	Apache II (PST-59D)	Pure-Seed Test., Inc.	84	MB-24-92	E.F. Burlingham
7	BAR Fa 0855	Barenbrug/Holding	47	Jaguar 3 (ZPS-J3)	Zajac Performance Seeds	85	MB-25-92	E.F. Burlingham
8	GEN-91	Genesis Group	48	Coyote (ZPS-ML)	Zajac Performance Seeds	86	PRO-9178	Seed Research, Inc.
9	ATF-006	Advanta Seeds West	49	ZPS-VL	Zajac Performance Seeds	87	CAS-LA20	Cascade Int'l Seed Co.
10	ATF-007	Advanta Seeds West	50	Duster (ITR-90-2)	Pennington Seed Co.	88	CAS-MA21	Cascade Int'l Seed Co.
11	FA-19	Advanta Seeds West	51	Virtue	Pennington Seed Co.	89	WXI-208-2	Willamette Seed Co.
12	FA-22	Advanta Seeds West	52	OFI-TF-601	Olsen-Fennel Seed Co.	90	Shenandoah	Willamette Seed Co.
13	Rebel-3D	Lofts Seed Co.	53	Pick CII	Pickseed West	91	Bonanza	Standard entry
14	Rebel, Jr.	Lofts Seed Co.	54	Pick 90-10	Pickseed West	92	SIU-1	Sou. Illinois University
15	Bonsai	Turf Merchants, Inc. (Standard Entry)	55	Phoenix	Barenbrug/Normarc Group			
			56	Cafal01	Cala Farms, Inc.			
16	Bonsai Plus	Turf Merchants, Inc.	57	Ky-31 no endo.	Standard entry			
17	Twilight	Turf Merchants, Inc.	58	Ky-31 w/endo.	Standard entry			
18	Mirage (KWS-DSL)	Turf Merchants, Inc.	59	Houndog V (ISI-AFE)	International Seeds, Inc.			
19	Micro DD	Turf Merchants, Inc.	60	ISI-AFA	International Seeds, Inc.			
20	Finelawn 88	Finelawn Research Corp.	61	ISI-CRC	International Seeds, Inc.			
21	Finelawn Petite	Finelawn Research Corp.	62	ISI-ATK	International Seeds, Inc.			
22	Kittyhawk	Smith Seed Service	63	Duke	Cascade International			
23	Aztec	O.M. Scott & Sons Co.	64	Montauk	Cascade International			
24	Bonanza II	Proprietary Seed	65	Pixie	Jacklin Seed Co.			
25	Adobe (SFL)	O.M. Scott & Sons Co.	66	Alamo (J-1048)	Medalist America			
26	Emperor (ZPS-E2)	Zajac Performance Seeds	67	Lancer	LESCO, Inc.			
27	Pick 90-12	Pickseed West	68	Trailblazer II	LESCO, Inc.			
28	Pick 90-6	Pickseed West	69	SR 8200	Seed Research, Inc.			
29	Eldorado	Turf-Seed, Inc.	70	SR 8300	Seed Research, Inc.			
30	PST-5LX	Pure-Seed Testing, Inc.	71	SR 8400	Seed Research, Inc.			
31	PST-5STB	Pure-Seed Testing, Inc.	72	Titan 2 (SR 8010)	Smith Seed Services			
32	PST-5PM	Pure-Seed Testing, Inc.	73	SR 8210	Seed Research, Inc.			
33	Safari	Turf-Seed, Inc.	74	Arid	Jacklin Seed Company			
34	Olympic II	Turf-Seed, Inc.			(Standard entry)			
35	Coronado (PST-RDG)	Pure Seed Testing, Inc.	75	PSTF-LF	Pro-Seeds Marketing			
36	PST-5VC	Pure Seed Testing, Inc.	76	PSTF-200	Pro-Seeds Marketing			
37	Silverado	Turf-Seed, Inc.	77	PSTF-401	Pro-Seeds Marketing			
38	PST-5DX w/endophyte	Turf-Seed, Inc.	78	Guardian	Roberts Seed Company			
39	Tomahawk	Turf-Seed, Inc.	79	Leprechaun	Roberts Seed Company			
40	Monarch	Turf-Seed, Inc.						

TABLE. A

1993 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1992 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
AL1	-	-	-	-	-	-	-	-
AR1	-	-	-	-	-	FULL SUN	-	-
AR2	-	-	-	-	-	UNIFORM SHADE	-	-
AZ1	SANDY LOAM	7.6-8.5	61-150	151-240	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
BC1	SANDY LOAM	6.6-7.0	61-150	0-150	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
CA1	LOAM	6.6-7.0	0-60	0-150	2.1-3.0	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
CO1	SANDY CLAY LOAM	7.6-8.5	0-60	501+	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
DC1	SILT LOAM	7.1-7.5	451+	241-375	1.1-2.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
GA1	SANDY CLAY LOAM	4.6-5.5	61-150	151-240	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
GA2	SANDY CLAY LOAM	3.6-4.5	61-150	151-240	2.1-3.0	FULL SUN	1.6-2.0	NO IRRIGATION
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	271-450	241-375	4.1-5.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	3.1-3.5	TO PREVENT STRESS
KS2	SANDY CLAY LOAM	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	3.1-3.5	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
LA2	SANDY LOAM	4.6-5.5	61-150	151-240	1.1-2.0	FULL SUN	3.1-3.5	TO PREVENT DORMANCY
MA1	SILT LOAM AND SILT	4.6-5.5	0-60	0-150	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MD1	SAND	6.1-6.5	151-270	0-150	2.1-3.0	LIGHT SHADE	2.6-3.0	TO PREVENT DORMANCY
MO1	SILTY CLAY LOAM	6.6-7.0	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
MO2	SILTY CLAY LOAM	6.6-7.0	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
MO3	SILTY CLAY LOAM	6.6-7.0	0-60	151-240	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
MO4	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
MS1	SANDY CLAY LOAM	6.6-7.0	271-450	151-240	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
NE1	SANDY CLAY LOAM	6.6-7.0	151-270	376-500	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NE2	SANDY CLAY LOAM	6.6-7.0	151-270	376-500	1.1-2.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
NE3	SANDY LOAM	7.6-8.5	0-60	376-500	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NJ1	LOAM	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
NJ2	SANDY LOAM	6.6-7.0	61-150	151-240	5.1-6.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
PA1	SILT LOAM AND SILT	6.6-7.0	61-150	0-150	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
PA2	SILT LOAM AND SILT	5.6-6.0	61-150	-	1.1-2.0	FULL SUN	3.6-4.0	NO IRRIGATION
RI1	SILT LOAM AND SILT	6.6-7.0	-	0-150	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
SD1	SILTY CLAY LOAM	7.6-8.5	271-450	501+	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
SK1	-	-	-	-	0.0-1.0	FULL SUN	1.1-1.5	NO IRRIGATION
TX1	SILTY CLAY AND CLAY LOAM	7.6-8.5	451+	501+	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
UB1	LOAM	5.6-6.0	271-450	0-150	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
UB2	SILT LOAM AND SILT	4.6-5.5	151-270	241-375	1.1-2.0	FULL SUN	1.6-2.0	NO IRRIGATION
VA1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
VA4	SANDY LOAM	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
VA8	-	-	-	-	-	FULL SUN	-	NO IRRIGATION
WA1	SILT LOAM AND SILT	5.6-6.0	0-60	501+	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1993

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
AL1					X	X	X	X	X	X		X
AR1				X	X	X	X	X	X	X	X	
AR2				X	X	X	X	X	X	X	X	
AZ1			X	X	X	X	X	X	X	X	X	X
BC1										X		X
CA1							X	X	X	X	X	X
CA3			X	X	X	X	X	X	X	X	X	X
CO1					X	X	X	X	X	X		X
DC1					X	X	X	X	X	X	X	
GA1				X		X	X	X	X			X
GA2							X					
IL1				X	X	X	X	X	X	X		
IL2				X	X	X	X	X	X			
KS1			X	X	X	X	X	X	X	X		
KS2						X			X			
KY1			X	X	X	X	X	X	X	X		
LA2		X	X	X	X	X	X	X	X	X		
MA1				X	X	X	X	X		X		
MD1							X		X	X		
MO1									X	X		
MO2			X	X	X	X	X	X	X	X	X	
MO3				X	X	X	X	X	X	X	X	
MO4					X	X	X	X	X	X	X	X
MS1	X	X	X	X	X	X	X	X	X	X	X	X
NE1					X	X		X	X			
NE2					X	X		X	X			
NE3					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
PA1					X	X	X	X	X	X		
PA2					X	X	X	X	X	X	X	
RI1					X	X	X	X	X	X	X	
SD1				X	X	X	X	X	X	X		
SK1												
TX1												
UB1				X	X	X	X	X	X	X	X	
UB2					X	X		X	X		X	
VA1				X	X	X	X	X	X	X		
VA4					X	X	X	X	X	X	X	
VA8				X	X	X	X	X	X	X	X	
WA1				X	X	X	X	X	X	X		

TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	GENETIC COLOR RATING	SPRING GREENUP RATING	LEAF TEXTURE RATING	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL
AL1	X					X	X			
AR1	X		X	X						
AR2				X						
AZ1					X		X	X		
BC1	X		X				X			
CA1	X		X			X	X			
CA3	X			X						
CO1			X	X						
DC1										
GA1				X	X		X			X
GA2										X
IL1	X	X	X	X						
IL2	X									
KS1	X			X						
KS2										
KY1										
LA2										
MA1										
MD1				X						
MO1									X	
MO2	X		X		X	X	X	X	X	X
MO3	X		X	X	X	X	X	X	X	X
MO4	X	X			X	X	X	X	X	X
MS1	X			X						
NE1	X							X		
NE2	X							X		
NE3	X		X	X	X	X	X		X	
NJ1	X									
NJ2	X			X						
PA1	X	X	X	X			X	X		
PA2	X			X				X		
RI1	X			X						
SD1	X		X	X	X	X	X			
SK1				X						
TX1				X				X	X	X
UB1				X						
UB2										
VA1	X		X					X		
VA4				X				X		
VA8								X		
WA1	X		X	X						X

TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	WINTER COLOR	FUSARIUM PATCH	NET BLOTCH	BROWN PATCH	UNIFORMITY RATINGS	DENSITY COUNTS SPRING	DENSITY COUNTS FALL	FLOOD RECOVERY
AL1								
AR1				X			X	
AR2				X		X	X	
AZ1	X			X				
BC1	X							
CA1								
CA3								
CO1	X							
DC1								
GA1								
GA2								
IL1								
IL2				X				
KS1				X				
KS2								
KY1								
LA2								
MA1								
MD1								
MO1								
MO2								
MO3								
MO4								
MS1								
NE1								
NE2								X
NE3					X			
NJ1								
NJ2			X					
PA1		X						
PA2								
RI1								
SD1								
SK1								
TX1								
UB1								
UB2								
VA1				X				
VA4								
VA8				X				
WA1								

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA
1993 DATA

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

NAME	AL1	AR1	AR2	AZ1	BC1	CA1	CA3	CO1	DC1	GA1	GA2	IL1	IL2	KS1	KS2	KY1	LA2	MA1	MD1	MO1	MO2
* GEN-91	6.0	6.9	6.1	6.6	5.3	6.7	6.6	6.9	2.7	4.6	2.0	6.6	6.8	6.8	7.5	7.0	3.7	7.1	5.9	7.2	7.0
* JAGUAR 3 (ZPS-J3)	6.7	6.8	6.1	7.0	5.3	7.3	6.6	6.5	3.7	4.9	2.7	6.8	6.6	6.4	8.0	6.6	3.7	6.4	5.8	7.2	7.1
* PIXIE	6.5	6.9	5.4	7.3	5.5	7.1	6.4	6.4	3.3	4.7	3.0	5.9	6.4	6.2	8.2	6.9	3.7	6.9	5.8	8.8	7.3
ISI-AFA	6.9	7.1	6.1	6.8	5.2	7.0	6.5	6.1	2.4	5.0	3.3	5.9	5.8	6.5	8.0	7.0	3.9	6.5	5.8	7.5	7.1
* MB-25-92	6.3	6.8	5.7	6.8	5.3	7.3	6.5	6.3	2.6	4.9	3.3	6.4	6.7	6.5	7.8	7.1	3.3	6.9	6.2	7.2	7.1
* FINELAWN PETITE	6.2	7.1	6.4	7.0	5.0	6.6	6.6	6.6	2.8	4.9	3.0	5.8	6.3	6.3	7.5	6.8	3.6	6.6	5.8	7.0	7.0
* FALCON II (MB-21-92)	6.0	6.5	5.5	7.1	5.0	7.1	6.6	6.6	2.7	4.7	2.7	5.8	5.9	6.6	7.8	7.2	3.3	6.6	6.0	7.3	7.0
* REBEL, JR.	6.5	7.0	5.8	6.8	5.0	6.8	6.5	6.7	2.9	4.7	3.3	6.9	6.6	6.3	8.0	6.5	3.2	5.9	6.0	7.2	7.0
PICK 90-12	6.8	6.8	5.7	6.8	5.2	7.0	6.3	6.1	2.6	5.1	3.0	6.1	6.7	6.4	7.8	6.9	3.8	6.9	5.9	7.5	7.1
* HOUNDOG V (ISI-AFE)	6.8	7.1	5.5	7.0	5.0	6.5	6.4	6.7	3.0	4.6	2.3	6.3	6.1	6.3	7.8	6.8	3.7	6.3	6.1	5.2	7.2
* COYOTE (ZPS-ML)	5.8	7.6	5.0	7.1	5.5	7.1	6.4	6.6	3.1	4.7	2.3	5.1	7.2	5.8	8.0	6.9	3.4	7.3	5.8	7.3	6.9
* LANCER	6.3	7.1	4.9	7.0	5.2	7.3	6.3	6.7	2.8	4.4	3.0	6.5	6.0	6.2	7.8	6.9	3.7	6.6	6.3	7.0	6.9
PST-5DX W/ENDOPHYTE	6.0	6.6	5.7	6.9	5.3	6.9	6.6	6.1	3.0	4.7	3.5	6.1	5.9	5.8	7.5	6.5	3.9	6.4	5.9	7.2	6.8
* TOMAHAWK	6.2	6.7	6.1	6.9	5.0	6.7	6.5	6.5	2.7	4.5	2.3	6.0	6.4	6.3	8.0	6.8	3.1	6.8	5.9	7.0	6.9
* LEXUS	6.0	7.4	6.1	7.1	5.2	6.9	6.6	6.1	2.8	4.4	2.0	5.9	5.9	6.8	8.0	7.0	2.8	7.0	6.0	7.7	7.0
* MB-23-92	6.4	6.8	6.1	7.0	5.0	6.8	6.5	6.0	1.9	4.2	1.7	5.7	6.1	5.9	8.2	6.9	3.4	6.3	6.4	7.2	6.9
* REBEL-3D	6.2	6.9	5.7	6.7	5.5	6.7	6.5	6.7	2.4	4.8	2.7	6.0	6.3	6.2	7.8	6.9	3.6	6.4	5.6	7.3	6.9
* SR 8200	6.8	6.5	5.5	7.0	5.0	6.8	6.4	6.4	2.9	4.9	4.0	6.0	6.8	6.1	7.7	6.4	3.5	5.8	5.8	7.5	6.6
SIU-1	6.1	6.7	5.1	7.0	5.0	7.2	6.4	6.3	3.8	4.3	3.0	6.1	6.8	6.4	7.3	6.7	3.6	5.1	5.9	7.2	6.9
* CORONADO (PST-RDG)	6.7	6.8	5.3	7.1	4.7	7.0	6.5	6.3	2.2	4.9	4.0	5.5	6.6	6.3	7.7	6.8	3.7	7.1	5.6	7.0	6.8
MB-22-92	6.4	6.8	6.0	7.1	5.2	7.2	6.5	5.7	3.1	5.1	2.3	5.7	5.4	6.3	7.8	6.6	3.7	6.3	6.0	7.2	6.9
FA-19	5.6	7.1	5.1	6.8	5.5	7.2	6.5	6.3	2.8	4.6	3.0	6.1	6.2	6.2	7.5	6.3	3.7	6.1	5.7	7.2	6.9
* GUARDIAN	6.4	5.8	5.1	7.1	5.2	6.7	6.5	6.1	3.8	4.2	3.3	6.4	5.9	6.2	7.7	6.3	3.5	5.8	6.0	7.7	7.1
PST-5LX	6.6	6.7	5.4	7.0	5.7	6.6	6.5	6.2	2.2	4.5	2.7	5.8	6.2	6.4	8.0	6.8	3.2	6.4	6.0	7.5	6.6
* DUSTER (ITR-90-2)	5.9	7.1	6.0	7.1	5.5	7.2	6.5	6.4	2.4	3.8	3.0	5.5	5.9	6.0	7.2	6.6	3.3	6.9	5.8	6.5	6.9
* SR 8400	6.5	6.8	5.6	6.9	5.3	6.1	6.4	6.0	3.3	4.1	4.0	6.3	6.5	6.3	7.5	6.3	3.7	5.5	5.9	7.3	6.7
* MICRO DD	6.0	6.8	4.9	6.9	5.2	7.4	6.4	6.3	2.9	4.4	2.7	5.7	6.3	6.5	7.5	6.4	3.6	6.7	5.9	7.0	6.8
PICK 90-10	6.5	7.5	5.2	6.6	5.2	7.1	6.4	6.4	2.8	4.1	3.3	5.9	5.6	6.1	7.5	6.9	3.6	6.8	6.0	6.7	7.0
ISI-ATK	6.7	6.8	5.1	6.9	5.0	7.2	6.3	6.2	3.3	4.4	2.3	6.1	6.0	6.0	7.3	6.4	4.0	6.0	5.7	7.2	6.9
* EMPEROR II (ZPS-E2)	6.0	6.6	5.6	7.1	5.5	7.2	6.4	6.2	2.2	4.7	3.0	5.6	6.5	6.4	8.2	6.8	3.9	6.5	5.7	7.0	6.9
SR 8210	6.5	6.3	5.8	6.9	5.0	6.7	6.4	6.2	2.9	4.5	2.0	5.9	5.2	6.3	7.3	6.5	3.0	5.9	5.8	7.3	6.7
OFI-TF-601	6.7	6.8	5.6	6.9	5.7	6.6	6.5	6.4	3.0	3.9	2.7	5.9	5.9	6.0	7.5	6.4	3.7	5.9	5.9	7.3	6.8
ISI-CRC	6.6	6.4	6.1	6.9	5.5	6.9	6.5	5.8	3.7	4.4	3.0	6.1	6.1	6.2	7.0	6.3	3.8	5.3	5.9	7.3	6.7
PICK CII	6.2	6.1	5.9	6.7	5.0	6.6	6.5	6.0	3.4	4.1	2.7	6.4	6.0	6.0	7.2	6.4	3.4	6.6	6.0	7.2	6.8
ATF-007	5.3	6.6	6.0	6.8	5.0	6.9	6.5	6.0	2.6	4.7	2.7	5.0	5.6	6.4	7.8	6.5	3.6	6.4	5.7	7.0	6.9
* MONTAUK	6.4	6.3	5.3	6.7	5.3	6.4	6.6	6.4	3.0	3.9	3.0	6.0	5.9	6.2	7.3	6.3	3.7	6.1	5.9	7.0	6.7
ATF-006	6.4	7.5	5.0	6.6	5.0	7.1	6.4	6.3	2.4	4.0	3.3	5.4	6.3	6.0	8.0	6.6	3.7	6.3	5.8	7.3	6.6
* SAFARI	6.9	6.0	5.7	6.9	5.5	6.7	6.3	6.5	3.2	4.7	2.3	5.5	6.4	6.1	7.2	6.3	3.4	5.7	6.0	7.2	6.8
* ELDORADO	6.3	6.5	4.9	7.0	5.0	6.9	6.5	6.5	3.1	4.5	3.0	6.1	6.5	6.4	7.2	6.6	3.5	5.8	5.8	7.2	6.6
* DUKE	6.5	6.1	5.4	7.0	5.3	6.6	6.6	6.0	3.2	4.8	3.0	5.9	5.8	6.0	8.0	6.5	3.6	5.7	5.8	7.3	6.7
ZPS-VL	6.4	7.0	5.6	6.3	5.5	7.3	6.4	6.0	2.8	4.3	1.5	5.1	6.4	6.1	7.7	6.8	3.2	7.2	5.4	7.2	6.7
MB-24-92	6.5	7.0	5.1	6.9	5.0	7.1	6.4	6.2	2.7	4.5	3.0	5.5	5.6	6.1	7.5	6.5	3.7	6.2	5.9	7.0	6.9
* COCHISE	5.9	6.4	5.8	6.5	5.7	6.9	6.7	6.2	3.0	4.4	3.7	5.6	6.9	6.5	7.5	6.5	3.2	5.8	5.9	7.0	6.9
PRO-9178	6.2	6.6	5.4	6.9	5.2	7.0	6.5	6.4	3.6	4.3	2.7	6.0	6.5	6.0	7.3	6.3	3.6	6.0	5.8	7.0	6.8
* SILVERADO	6.5	6.5	5.8	6.5	4.8	6.4	6.2	6.0	2.5	4.8	3.0	6.0	5.8	6.4	7.8	6.4	3.7	5.8	5.7	7.2	6.9
* APACHE II (PST-59D)	6.3	7.0	5.5	6.9	5.2	6.9	6.3	6.1	2.3	4.8	2.7	5.2	5.8	5.8	7.8	6.7	3.6	6.6	5.7	7.0	6.7
PICK 90-06	6.3	7.3	6.1	6.4	5.5	7.1	6.4	6.3	2.4	4.3	3.0	5.1	6.4	6.4	7.5	6.3	3.2	6.5	5.6	7.5	6.7
* TITAN 2 (SR 8010)	6.1	6.3	5.3	6.8	5.5	6.7	6.2	6.1	3.2	4.3	2.7	6.1	6.3	6.0	7.2	6.0	4.1	5.3	6.0	7.0	6.8
PST-5VC	6.5	7.5	6.0	6.7	5.2	6.8	6.4	6.0	2.3	5.3	2.0	5.9	5.1	6.1	7.2	6.5	3.7	6.1	5.8	7.5	6.8

TABLE 1. (CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA
1993 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	AL1	AR1	AR2	AZ1	BC1	CA1	CA3	CO1	DC1	GA1	GA2	IL1	IL2	KS1	KS2	KY1	LA2	MA1	MD1	MO1	MO2
* LEPRECHAUN	6.5	6.6	5.5	6.7	5.0	6.7	6.6	6.2	2.9	4.1	3.0	5.7	6.2	6.5	7.3	6.6	3.4	5.9	5.9	7.0	6.9
* MIRAGE (KWS-DSL)	6.3	7.0	5.2	6.9	6.0	7.1	6.5	6.3	3.1	4.7	3.5	5.5	6.2	6.3	7.7	6.1	2.8	5.8	5.8	7.0	7.0
* AVANTI	6.1	6.5	5.3	7.3	5.2	6.8	6.4	6.3	3.0	4.8	2.5	5.5	6.3	6.2	7.5	6.3	3.4	5.4	5.9	7.3	6.9
M-2	6.2	6.1	5.6	7.0	5.8	7.0	6.5	6.0	3.5	4.6	2.5	6.0	6.4	6.2	6.8	6.1	3.6	5.8	5.9	7.0	6.7
BAR FA 0855	5.9	6.5	5.4	6.9	5.3	6.9	6.4	6.1	2.4	4.1	2.3	5.9	6.1	6.0	7.2	6.1	3.6	6.0	5.7	7.2	6.7
WXI-208-2	6.7	6.3	5.4	6.8	5.7	7.4	6.4	5.9	3.1	4.7	3.0	4.6	5.7	5.6	7.5	6.5	3.7	5.9	5.9	7.2	7.1
* VIRTUE	5.7	6.5	5.4	7.0	5.5	6.7	6.5	6.1	3.2	3.8	1.0	6.1	5.9	6.4	7.3	6.6	3.5	6.5	5.8	7.0	7.1
403	6.0	6.4	5.5	7.0	6.0	6.6	6.4	5.3	3.5	3.8	2.7	6.3	6.8	6.2	7.7	6.3	3.8	6.3	6.0	7.2	6.8
* TRAILBLAZER II	6.5	6.5	5.9	6.8	5.5	6.4	6.3	6.2	2.9	4.7	3.0	5.8	5.7	6.1	7.5	6.5	3.6	5.5	5.6	6.8	6.8
* VEGAS	5.8	6.8	5.3	7.0	4.7	7.0	6.3	5.4	3.0	4.3	2.0	6.5	6.1	6.1	7.5	6.4	3.7	6.4	5.8	7.2	6.6
* SR 8300	6.8	6.3	5.9	7.0	5.7	6.3	6.6	5.9	3.4	4.4	2.7	6.2	6.4	6.0	7.0	6.3	3.8	5.0	5.9	6.0	6.3
* SHENANDOAH	6.6	6.0	5.0	7.0	5.5	6.3	6.3	6.0	3.0	4.1	3.3	5.4	6.5	6.2	7.2	6.3	3.8	5.3	5.9	7.0	6.6
* ADOBE (SFL)	7.0	6.4	5.0	6.6	5.0	7.3	6.5	6.3	2.3	4.9	3.0	6.0	5.4	5.9	7.5	6.3	3.9	6.3	5.7	7.0	6.8
* BONSAI PLUS	6.0	6.0	5.3	6.5	5.0	7.0	6.5	6.2	2.7	4.4	3.7	5.9	5.3	5.9	8.0	6.2	3.5	6.3	5.8	7.7	6.6
PSTF-401	6.7	6.1	5.4	6.8	5.0	6.9	6.5	5.8	3.4	4.5	3.3	6.7	5.8	6.2	7.2	6.3	3.2	5.1	6.0	7.2	6.7
PST-5PM	5.4	7.0	5.4	7.0	5.0	6.6	6.5	6.1	2.5	4.4	2.7	5.9	5.6	6.0	7.5	6.6	3.5	6.4	5.7	7.0	6.6
PSTF-1F	7.0	5.9	5.5	7.1	5.3	6.5	6.5	6.1	4.0	4.7	3.0	6.2	6.0	5.8	7.2	6.2	3.7	5.5	5.8	7.3	6.6
* BONANZA II	6.3	6.5	5.7	6.9	5.3	6.6	6.4	6.1	3.0	4.4	3.0	6.0	5.8	6.2	7.2	6.1	3.8	5.4	5.9	7.0	6.8
BAR FA 2AB	5.8	6.7	5.9	6.9	5.7	6.8	6.5	6.2	2.4	4.1	2.7	5.8	5.9	6.4	7.7	6.7	3.7	5.9	5.7	7.0	6.8
CAFA101	6.2	6.0	5.5	7.0	5.0	6.7	6.4	5.6	3.4	4.2	2.7	5.9	6.4	5.8	6.8	6.2	3.1	5.4	6.0	5.7	6.4
FA-22	6.7	6.7	5.1	6.8	5.0	7.2	6.4	6.0	2.7	4.4	2.0	5.5	6.4	5.6	6.8	5.9	3.7	5.3	6.0	7.2	6.9
* ALAMO (J-1048)	6.4	6.3	4.2	7.2	5.3	6.4	6.7	6.0	3.0	4.4	2.3	5.7	5.9	6.1	7.3	6.1	3.7	6.0	5.9	7.0	6.6
* KITTYHAWK	6.5	6.4	4.9	7.0	5.0	7.0	6.0	6.0	3.0	4.1	2.3	5.5	5.9	5.9	6.7	6.0	3.4	5.7	5.7	7.3	6.5
* AUSTIN	6.0	5.9	5.1	7.1	5.0	6.6	6.3	5.8	3.2	4.3	4.0	6.2	6.1	6.0	6.3	6.1	3.8	5.7	6.0	7.2	6.8
PSTF-200	5.9	5.9	5.5	7.1	4.7	6.6	6.3	5.7	4.0	4.7	3.0	6.3	5.8	6.1	6.2	6.3	4.1	5.7	5.8	7.2	6.3
* FINELAWN 88	6.3	6.1	5.0	6.9	5.2	6.8	6.4	5.8	3.0	4.3	3.3	5.9	6.1	6.0	7.3	6.2	3.6	5.8	5.8	7.0	6.4
* AZTEC	6.2	6.7	5.6	7.0	5.5	6.6	6.5	6.4	3.0	4.3	2.3	6.1	2.5	6.0	7.0	6.4	3.1	4.6	5.8	7.2	6.7
* OLYMPIC II	6.3	5.7	5.4	7.1	4.7	7.2	6.3	5.8	3.2	4.4	3.0	5.9	5.8	5.8	6.5	5.8	3.6	5.0	5.9	7.2	6.4
* MONARCH	5.6	6.3	5.3	7.0	5.3	6.6	6.4	6.0	3.2	4.0	2.3	5.2	5.5	5.9	7.0	6.1	3.1	5.7	5.7	7.0	6.6
PST-5STB	5.8	6.8	4.8	7.0	5.5	6.8	6.7	6.1	2.4	4.1	2.3	5.1	5.7	6.2	7.0	6.0	3.5	6.3	5.6	7.2	6.5
BAR FA 214	5.8	6.6	5.8	6.8	4.7	7.1	6.5	5.8	2.6	4.4	2.0	6.3	5.4	5.8	6.7	5.9	3.6	5.5	5.9	7.3	6.3
* BONANZA	6.1	5.6	5.0	6.9	5.3	6.6	6.4	6.0	3.1	4.3	2.7	5.7	6.1	5.6	7.2	6.0	3.4	5.3	5.8	5.5	6.3
* PHOENIX	6.8	5.8	5.2	6.9	5.3	5.9	6.3	6.0	3.2	4.5	3.3	5.7	5.7	5.6	6.7	5.8	3.8	5.1	5.8	5.8	6.3
CAS-MA21	6.1	6.2	4.9	7.0	5.2	6.7	6.5	5.5	3.3	4.3	2.3	5.8	5.7	5.8	6.8	6.3	3.2	5.8	5.8	7.2	6.7
* BONSAI	5.7	7.0	4.9	6.8	5.2	7.4	6.5	6.0	2.2	4.6	2.7	5.1	4.6	5.6	7.5	5.5	3.6	6.8	5.6	7.0	6.5
* ASTRO 2000	6.4	5.8	5.1	7.0	4.8	6.7	6.3	6.0	3.7	4.1	2.7	5.8	5.7	5.7	6.5	6.2	3.7	4.9	6.0	6.7	6.3
CAS-1A20	5.5	6.2	5.5	6.7	4.8	6.6	6.4	5.4	2.5	4.2	2.7	5.5	5.8	5.8	6.5	6.3	3.7	6.1	5.6	7.3	6.7
* ARID	6.6	5.6	4.9	7.0	5.3	6.1	6.2	5.5	4.6	4.3	3.0	5.7	5.3	5.6	6.3	5.5	3.8	4.4	5.7	7.0	5.4
* TWILIGHT	5.8	6.0	4.7	6.9	4.7	6.2	6.5	5.7	2.2	4.7	3.5	4.4	5.4	5.4	7.7	5.7	3.1	7.1	5.8	7.2	6.1
* FALCON	6.9	5.3	4.7	6.9	5.5	6.3	6.0	5.4	3.8	4.3	3.5	5.4	5.4	5.7	6.2	5.3	3.0	5.0	5.8	7.3	5.3
* ANTHEM	6.4	5.0	5.3	7.0	5.0	5.9	6.0	4.9	3.8	4.0	4.0	6.1	4.4	5.3	5.3	5.0	3.9	4.6	5.6	7.2	5.5
* KY-31 W/ENDO.	6.6	3.9	4.3	6.7	4.7	4.8	5.0	4.5	3.2	4.0	4.0	4.7	4.4	4.7	4.3	4.2	3.9	3.8	5.2	5.2	4.9
* KY-31 NO ENDO.	6.1	4.1	4.4	6.7	4.7	4.6	5.4	4.7	3.3	4.1	2.3	5.0	4.3	4.9	4.5	4.5	3.5	3.9	5.3	5.3	5.1
LSD VALUE	0.9	0.6	0.9	0.5	0.8	0.5	0.3	0.5	1.0	0.6	1.7	1.0	1.3	0.7	0.8	0.4	0.6	0.7	0.4	0.6	0.4

* COMMERCIALY AVAILABLE IN THE USA IN 1994

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

TABLE 1. (CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA
1993 DATA

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

NAME	MO3	MO4	MS1	NE1	NE2	NE3	NJ1	NJ2	PA1	PA2	RI1	SD1	UB1	UB2	VA1	VA4	VA8	WA1	MEAN
GEN-91	5.7	5.5	5.8	6.6	6.4	5.4	6.5	5.9	6.9	3.8	5.9	6.4	7.7	7.0	5.8	5.8	4.3	6.5	6.0
JAGUAR 3 (ZPS-J3)	5.1	6.3	5.8	5.8	6.3	4.7	6.0	6.7	7.4	3.4	6.0	6.2	7.1	6.7	5.4	5.7	4.3	6.3	6.0
PIXIE	5.0	5.8	6.0	6.3	6.0	4.2	6.4	6.2	6.4	3.5	5.7	6.0	7.5	6.5	5.5	5.8	3.9	6.5	5.9
ISI-AFA	5.9	4.9	5.7	6.6	6.2	3.9	7.0	6.4	7.3	3.5	5.8	5.8	7.3	6.5	6.2	5.9	4.0	5.9	5.9
MB-25-92	5.1	5.4	5.7	5.9	6.0	4.8	6.6	6.3	6.9	3.4	6.0	5.6	7.3	6.7	5.2	6.0	3.8	6.4	5.9
FINELAWN PETITE	5.7	5.9	5.8	6.3	6.4	4.4	6.6	5.9	6.1	3.4	5.7	6.1	7.5	6.9	5.0	6.3	4.7	6.1	5.9
FALCON II (MB-21-92)	5.2	6.5	6.1	6.2	5.4	4.8	6.7	6.8	7.0	3.6	5.3	5.7	7.5	6.5	6.0	5.7	4.3	5.8	5.9
REBEL, JR.	5.3	5.0	5.9	6.4	5.6	5.1	5.7	5.4	7.7	4.1	5.7	5.6	7.1	6.6	5.3	5.5	4.5	6.1	5.9
PICK 90-12	5.5	6.3	6.2	5.8	5.5	4.4	7.2	6.3	7.1	3.0	5.1	5.5	7.3	5.4	5.4	5.6	3.8	5.8	5.8
HOUNDG V (ISI-AFE)	5.4	6.0	6.0	6.4	6.0	4.8	6.6	6.7	7.2	3.8	5.7	5.4	7.5	6.2	5.2	5.7	4.7	5.8	5.8
COYOTE (ZPS-ML)	5.4	5.5	5.5	6.4	5.4	4.3	6.7	6.3	6.3	2.9	5.6	6.0	7.6	6.1	5.6	6.0	3.8	6.9	5.8
LANCER	5.5	5.5	5.9	6.4	6.0	5.0	5.9	5.7	4.8	3.2	5.7	6.5	7.4	7.0	5.4	5.8	3.8	6.2	5.8
PST-5DX W/ENDOPHYTE	4.8	5.3	5.9	6.4	5.8	4.6	6.5	6.0	7.6	3.4	5.8	6.0	6.9	6.3	5.4	5.9	3.9	5.5	5.8
TOMAHAWK	4.7	5.4	5.7	6.3	5.8	4.5	6.3	5.7	7.0	3.5	5.6	5.7	6.9	6.5	5.3	6.1	4.0	6.0	5.8
LEXUS	5.7	4.5	5.7	6.6	5.7	5.0	6.1	6.2	5.7	2.9	5.7	5.2	7.7	6.9	5.0	6.0	3.5	5.7	5.8
MB-23-92	5.5	6.1	5.9	6.3	5.9	4.8	6.1	5.5	7.5	3.5	5.5	5.6	7.3	6.5	5.4	5.7	3.5	6.0	5.7
REBEL-3D	5.4	5.6	5.8	5.9	5.6	4.7	6.4	5.4	6.2	3.4	5.8	6.0	7.3	6.4	5.2	5.6	3.5	6.0	5.7
SR 8200	4.7	6.1	6.0	5.8	5.9	4.4	5.8	5.5	6.4	4.0	5.8	5.6	6.7	5.7	5.4	5.7	4.3	5.9	5.7
SIU-1	4.6	5.7	6.0	6.1	5.6	4.7	5.4	5.4	6.8	3.5	6.1	6.2	6.8	6.6	5.4	5.9	4.3	6.0	5.7
CORONADO (PST-RDG)	5.2	5.6	5.5	5.7	5.7	5.1	6.6	6.0	6.8	3.1	5.4	5.4	7.0	5.6	4.8	5.7	3.6	6.1	5.7
MB-22-92	5.2	5.0	6.1	6.2	5.8	5.0	5.8	5.4	7.1	2.9	5.6	6.1	6.9	6.0	5.6	5.7	3.7	6.0	5.7
FA-19	4.8	5.4	5.8	5.8	5.6	5.1	6.0	5.6	7.7	3.7	5.4	6.0	7.0	6.1	5.1	5.6	4.2	5.8	5.7
GUARDIAN	4.8	5.6	6.2	6.1	6.0	5.2	5.4	5.9	6.1	3.7	5.5	5.9	6.8	6.3	5.2	5.3	4.2	6.1	5.7
PST-5LX	5.0	5.2	5.3	5.5	5.6	4.8	6.4	5.5	7.5	3.2	5.5	5.6	7.0	6.7	5.7	5.8	3.9	5.9	5.7
DUSTER (ITR-90-2)	5.3	5.8	5.7	6.3	5.7	3.9	6.1	6.0	6.7	3.4	5.7	5.4	7.5	6.1	6.0	5.4	4.2	6.0	5.7
SR 8400	4.5	5.7	5.9	5.9	5.9	3.9	6.1	5.2	7.2	3.8	5.8	5.6	6.5	5.7	5.5	5.5	4.4	6.0	5.7
MICRO DD	5.3	5.5	5.8	6.1	5.8	4.4	6.1	5.7	6.0	3.8	5.9	5.9	7.0	6.1	5.0	5.4	4.0	6.1	5.7
PICK 90-10	5.1	5.2	5.8	6.2	5.8	4.6	6.2	5.2	6.8	3.3	5.6	5.3	7.4	6.1	4.9	5.9	3.7	6.0	5.7
ISI-ATK	4.9	5.7	6.1	6.1	6.0	4.5	5.2	5.0	6.9	4.2	5.9	6.0	6.8	5.9	5.3	5.5	4.2	5.7	5.7
EMPEROR II (ZPS-E2)	5.0	4.9	5.7	5.8	5.4	4.7	6.0	5.8	6.8	3.2	5.3	5.7	6.9	5.6	5.5	5.7	3.5	6.4	5.7
SR 8210	5.3	6.3	5.8	6.4	6.0	4.9	6.0	5.4	6.9	3.8	5.7	5.9	6.6	6.1	5.3	5.8	3.8	6.5	5.7
OFI-TF-601	5.5	5.0	6.0	5.8	5.9	4.4	5.6	5.3	5.9	3.9	5.7	6.0	6.9	6.4	5.4	5.6	4.1	6.1	5.7
ISI-CRC	5.0	5.3	5.9	6.2	5.8	4.4	5.2	4.7	6.9	4.2	5.8	5.7	6.4	6.6	5.1	5.5	4.8	5.4	5.7
PICK CII	4.7	5.7	5.8	5.8	5.6	4.7	5.3	5.2	6.4	4.1	6.0	6.0	7.1	6.9	5.4	5.5	4.0	6.0	5.7
ATF-007	5.3	5.7	5.8	6.3	6.0	4.8	6.2	5.8	6.1	3.0	5.6	5.5	7.5	6.1	5.7	5.7	3.7	6.6	5.7
MONTAUK	4.8	5.6	5.9	5.9	5.9	4.7	5.4	5.6	7.6	3.5	5.3	5.9	6.7	6.3	5.4	5.4	4.1	6.1	5.7
ATF-006	5.3	5.1	5.3	5.8	6.0	4.9	5.6	5.3	6.3	3.4	5.6	6.0	7.3	6.8	4.7	5.6	3.5	6.3	5.7
SAFARI	4.5	5.2	6.1	6.1	5.5	4.6	6.0	5.6	6.4	4.5	6.0	6.1	6.5	6.2	5.3	5.6	4.0	5.5	5.7
ELDORADO	4.6	5.6	5.7	5.7	5.8	3.8	5.9	5.9	6.7	3.8	5.3	6.2	7.0	6.6	4.9	5.5	4.1	5.7	5.7
DUKE	4.5	5.2	6.1	5.8	5.5	4.3	5.7	5.7	7.7	3.4	5.7	5.5	6.8	6.1	5.5	5.4	4.0	6.0	5.7
ZPS-VL	5.5	5.8	5.4	6.4	5.8	4.8	6.0	6.0	6.3	3.1	5.4	5.5	7.0	4.9	5.3	6.0	3.6	6.4	5.7
MB-24-92	5.6	5.1	5.3	6.0	6.2	4.9	6.4	4.9	6.8	3.1	5.6	5.3	7.0	6.5	5.4	5.6	3.4	5.9	5.6
COCHISE	5.3	5.4	5.8	5.6	5.4	4.3	5.9	5.1	6.9	3.6	5.7	5.6	6.8	6.4	4.7	5.5	3.7	5.6	5.6
PRO-9178	4.8	5.1	5.8	6.1	5.9	4.4	5.2	5.6	6.1	3.3	5.5	6.3	6.7	6.7	5.0	5.5	4.1	6.0	5.6
SILVERADO	4.9	5.3	5.7	6.0	5.9	4.9	6.0	5.7	6.1	3.2	5.5	6.0	6.9	6.4	5.5	5.4	4.1	5.9	5.6
APACHE II (PST-59D)	5.9	4.4	5.6	5.5	5.8	4.6	6.0	5.5	7.4	3.3	5.4	5.9	7.1	5.9	5.3	5.6	4.0	5.8	5.6
PICK 90-06	5.3	5.7	5.4	5.9	5.9	4.5	6.6	5.4	6.8	2.6	5.1	5.2	7.0	5.3	5.0	5.9	3.5	6.2	5.6
TITAN 2 (SR 8010)	4.3	5.5	6.0	5.9	5.8	4.6	5.1	5.5	7.1	4.9	5.8	6.5	6.3	6.1	5.1	5.1	4.3	5.6	5.6
PST-5VC	4.3	5.0	5.6	5.3	5.3	5.1	5.8	5.7	7.1	3.0	5.3	6.0	7.5	6.2	5.8	6.4	3.3	5.7	5.6

TABLE 1. (CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA
1993 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MO3	MO4	MS1	NE1	NE2	NE3	NJ1	NJ2	PA1	PA2	RI1	SD1	UB1	UB2	VA1	VA4	VA8	WA1	MEAN
LEPRECHAUN	5.0	4.8	5.8	6.2	5.8	4.4	5.8	5.5	6.8	3.2	5.6	5.9	6.9	6.3	5.1	5.5	3.8	5.6	5.6
MIRAGE (KWS-DSL)	4.6	5.2	5.7	5.8	5.3	4.5	5.9	5.5	6.3	3.7	5.5	6.1	6.7	5.5	4.8	5.5	4.2	5.9	5.6
AVANTI	4.7	5.2	5.9	6.0	5.9	4.8	5.8	5.0	6.1	3.9	5.8	5.6	6.6	6.4	5.1	5.1	4.1	5.7	5.6
M-2	5.1	5.2	5.9	6.2	5.6	4.3	4.9	5.2	5.4	4.0	5.6	6.4	6.3	5.9	5.0	5.4	4.3	6.2	5.6
BAR FA 0855	5.2	6.0	6.0	6.1	6.1	5.0	5.2	5.2	6.9	4.0	5.4	5.7	6.5	6.1	5.1	5.4	4.1	5.6	5.6
WXI-208-2	5.3	5.6	5.6	5.5	5.8	4.8	5.5	5.4	6.0	3.1	5.4	5.8	6.6	5.7	5.5	5.4	4.2	5.7	5.6
VIRTUE	5.0	5.9	5.7	5.8	5.9	4.6	6.2	5.4	5.6	3.5	5.3	5.8	6.8	6.1	5.3	5.4	4.3	5.7	5.6
403	4.8	5.0	6.0	6.1	5.8	4.5	5.7	4.9	4.9	3.8	5.6	5.8	6.5	6.0	4.7	5.4	4.3	5.6	5.6
TRAILBLAZER II	4.5	5.4	5.8	5.8	6.0	4.7	5.9	5.6	4.9	3.6	5.5	5.8	7.1	5.9	4.8	5.5	4.3	6.0	5.6
VEGAS	5.2	6.1	5.7	6.3	6.0	4.6	5.8	5.3	5.7	3.2	5.6	5.2	6.7	5.8	5.3	5.5	3.6	6.1	5.6
SR 8300	4.5	5.4	5.9	6.0	6.0	5.0	4.7	4.7	7.1	3.7	5.4	5.9	6.7	6.3	5.4	5.5	4.1	5.6	5.6
SHENANDOAH	4.6	5.7	5.8	5.6	5.8	5.1	5.0	4.6	6.8	4.0	5.5	5.7	6.6	6.3	5.6	5.5	4.0	6.0	5.6
ADOBE (SFL)	4.6	5.4	5.8	5.8	5.6	4.6	5.1	5.2	6.3	3.3	5.5	5.6	6.5	6.3	4.7	5.5	4.6	5.6	5.6
BONSAI PLUS	5.3	5.3	5.6	5.8	5.8	4.4	5.6	5.1	5.3	3.2	5.8	5.7	6.6	6.2	4.8	5.3	4.5	6.0	5.6
PSTF-401	4.3	5.9	5.8	5.8	5.9	4.7	5.1	4.7	5.5	4.4	5.5	5.7	6.4	6.5	4.9	5.2	4.0	5.6	5.6
PST-5PM	4.9	5.1	5.7	5.3	5.8	4.0	6.1	5.9	6.4	3.4	5.5	5.6	6.8	6.1	5.1	5.8	4.2	5.5	5.6
PSTF-LF	4.6	5.7	5.9	5.3	5.6	4.7	5.0	4.8	5.9	3.9	5.4	5.9	6.4	5.3	5.0	4.9	4.0	5.5	5.5
BONANZA II	4.6	5.3	5.9	5.9	5.5	4.7	5.0	4.9	5.2	3.3	5.6	6.1	6.6	6.3	5.3	5.4	3.8	5.7	5.5
BAR FA 2AB	4.8	5.1	5.6	5.5	5.8	5.3	6.1	5.1	4.9	3.4	5.3	4.6	6.9	6.2	5.0	5.2	3.2	5.9	5.5
CAFA101	4.1	6.0	6.0	6.0	5.8	4.4	5.0	5.1	6.6	4.7	5.7	6.1	6.4	5.7	5.3	5.2	4.4	5.8	5.5
FA-22	4.3	5.6	5.9	5.5	5.3	4.4	5.4	5.2	7.0	3.6	5.8	5.9	6.8	6.1	5.0	5.5	3.5	5.8	5.5
ALAMO (J-1048)	5.1	4.9	5.7	5.8	5.8	4.2	5.4	5.0	6.4	2.8	5.6	6.2	6.5	6.3	5.5	5.4	4.1	5.7	5.5
KITTYHAWK	4.8	5.4	6.0	5.8	5.6	4.1	4.6	5.1	6.7	4.0	5.9	6.2	6.3	6.5	4.9	5.4	3.9	6.0	5.5
AUSTIN	4.9	5.0	5.9	5.8	5.7	4.2	5.2	4.9	6.1	3.8	5.4	5.5	6.4	5.9	5.0	5.3	4.0	5.6	5.5
PSTF-200	4.1	5.9	6.1	5.2	5.5	4.7	5.3	4.6	5.8	4.1	5.9	5.7	6.3	5.9	4.9	5.1	3.9	5.4	5.5
FINELAWN 88	4.7	5.1	5.8	5.9	5.5	4.4	4.3	4.5	6.7	3.8	6.0	5.4	6.3	5.8	4.7	5.1	4.0	5.4	5.5
AZTEC	4.5	5.2	5.6	5.8	5.7	4.3	5.5	4.9	6.4	3.6	6.1	6.2	6.8	6.6	5.2	5.7	3.6	5.5	5.5
OLYMPIC II	4.1	6.0	5.9	5.8	5.8	4.4	4.3	4.7	6.3	4.6	6.0	6.0	6.1	5.2	5.1	5.5	4.3	5.8	5.5
MONARCH	4.5	5.1	6.1	5.4	5.3	4.1	5.0	5.1	6.8	3.4	5.2	5.9	6.3	6.0	5.2	5.1	3.9	5.7	5.4
PST-5STB	4.4	5.0	5.6	6.0	5.9	4.9	6.5	4.3	5.8	3.3	5.0	5.2	6.5	5.6	4.5	5.3	3.7	5.5	5.4
BAR FA 214	4.1	5.0	5.6	5.6	5.6	4.5	4.9	4.7	5.9	3.5	5.3	5.3	6.6	6.7	5.3	5.5	3.6	5.6	5.4
BONANZA	4.5	5.8	5.7	5.2	5.6	4.6	4.4	5.0	7.3	3.1	5.4	5.2	6.5	6.3	5.3	5.4	3.8	5.7	5.4
PHOENIX	4.5	5.8	5.9	5.8	5.8	4.0	4.7	4.0	6.3	4.6	5.7	5.6	5.9	5.5	4.9	5.2	3.9	5.6	5.4
CAS-MA21	4.2	4.9	5.6	5.8	5.7	4.4	4.6	4.8	6.7	3.0	5.1	5.3	6.3	6.1	4.9	5.1	4.3	5.8	5.4
BONSAI	4.9	5.3	5.3	5.9	5.6	4.6	5.9	4.5	4.9	2.7	5.2	5.7	6.9	6.0	4.2	5.6	2.8	6.3	5.4
ASTRO 2000	3.8	5.3	5.8	5.7	5.9	4.6	4.5	4.1	5.8	4.3	5.9	5.8	5.9	5.7	4.9	5.0	3.8	5.5	5.3
CAS-LA20	4.3	5.0	5.8	5.8	5.5	4.5	4.8	4.3	6.8	2.9	5.3	5.0	6.2	6.0	4.8	5.5	3.4	5.5	5.3
ARID	3.7	5.3	5.9	5.7	5.7	4.5	3.9	3.7	6.4	4.6	5.7	5.9	5.7	5.5	5.0	5.3	3.9	5.3	5.3
TWILIGHT	5.1	5.1	5.4	6.3	5.8	3.6	4.8	3.9	3.7	3.4	5.2	4.8	6.4	5.8	3.8	4.6	3.8	5.1	5.2
FALCON	3.9	5.5	6.0	5.4	5.7	3.8	3.7	3.5	6.3	4.0	5.6	5.0	5.2	5.6	4.3	4.5	4.3	5.4	5.1
ANTHEM	3.6	5.5	6.0	4.8	5.4	4.1	3.3	3.1	5.3	4.5	5.6	5.7	5.1	5.1	4.2	4.5	3.8	5.3	5.0
KY-31 W/ENDO.	2.5	5.4	5.7	4.6	5.4	3.8	2.6	2.0	5.0	4.9	5.6	5.8	4.1	4.4	3.8	3.7	3.5	4.5	4.5
KY-31 NO ENDO.	3.0	5.1	5.7	4.8	5.5	3.4	2.7	2.1	5.1	4.8	5.5	5.5	4.1	4.2	3.9	3.9	3.7	4.3	4.5
LSD VALUE	0.7	1.1	0.4	0.7	0.7	1.1	0.8	0.7	1.0	0.7	0.6	0.9	0.4	1.1	0.6	0.5	0.8	0.7	0.1

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

TABLE 2.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												1/ MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GEN-91	5.7	6.0	6.0	6.0	6.2	6.5	5.8	5.7	5.9	6.1	6.3	5.8	6.0
JAGUAR 3 (ZPS-J3)	5.3	5.8	6.1	5.7	5.8	6.3	5.8	5.8	6.1	6.1	6.3	6.4	6.0
PIXIE	6.0	5.7	6.0	5.8	6.0	6.3	5.8	5.6	5.8	5.9	6.0	6.0	6.0
ISI-AFA	5.3	5.7	6.1	5.9	5.8	6.1	5.7	5.8	6.0	6.0	6.2	6.0	5.9
MB-25-92	5.3	5.3	6.0	5.9	5.8	6.2	5.7	5.6	5.9	5.9	6.1	6.0	5.9
FINELAWN PETITE	5.3	5.8	5.8	5.8	6.1	6.2	5.5	5.7	6.1	6.0	6.1	5.8	5.9
FALCON II (MB-21-92)	6.0	5.5	6.1	5.7	5.9	6.1	5.7	5.7	6.0	6.0	6.1	6.2	5.9
PICK 90-12	6.3	6.2	5.8	5.6	5.6	6.2	5.7	5.7	6.0	6.0	6.1	6.1	5.9
REBEL, JR.	5.7	5.2	5.8	5.8	6.0	6.2	5.6	5.5	5.8	5.8	6.0	6.1	5.9
COYOTE (ZPS-ML)	5.7	5.2	5.4	5.6	6.0	6.2	5.6	5.5	5.8	6.1	6.1	6.1	5.9
HOUND OG V (ISI-AFE)	6.0	5.5	5.9	5.7	6.0	6.3	5.7	5.6	5.9	6.0	6.2	6.1	5.9
LANCER	6.0	5.7	6.2	6.0	5.9	6.1	5.4	5.3	5.7	5.9	6.2	6.0	5.8
PST-5DX W/ENDOPHYTE	5.7	6.0	5.8	5.6	5.7	5.9	5.6	5.5	5.9	5.9	6.0	6.1	5.8
LEXUS	5.7	4.5	5.4	5.6	5.8	6.2	5.6	5.5	5.7	6.0	6.0	5.8	5.8
TOMAHAWK	5.7	5.2	5.6	5.6	5.7	6.1	5.5	5.5	5.8	5.8	6.1	5.9	5.8
REBEL-3D	6.0	5.5	6.0	5.7	5.8	6.0	5.5	5.5	5.7	5.8	6.0	5.9	5.8
MB-23-92	5.7	5.7	5.8	5.8	5.7	6.0	5.5	5.5	5.8	5.9	5.9	5.8	5.8
CORONADO (PST-RDG)	5.7	5.5	5.5	5.6	5.8	6.2	5.6	5.2	5.7	5.9	6.1	5.9	5.8
SR 8200	6.0	5.5	5.9	5.7	5.6	6.0	5.5	5.4	5.8	5.8	5.9	5.9	5.8
DUSTER (ITR-90-2)	5.7	5.3	5.6	5.7	5.9	6.2	5.5	5.3	5.6	5.8	6.1	6.0	5.8
SIU-1	6.0	6.0	6.1	5.5	5.6	5.9	5.6	5.6	5.8	5.9	6.1	5.9	5.7
MB-22-92	6.3	6.0	6.0	5.6	5.6	6.0	5.5	5.5	5.8	5.9	5.8	5.8	5.7
FA-19	5.7	6.0	5.8	5.5	5.6	5.9	5.6	5.5	5.7	5.9	5.9	5.9	5.7
GUARDIAN	6.0	6.0	6.3	5.8	5.6	5.9	5.5	5.4	5.6	5.7	6.0	6.0	5.7
EMPEROR II (ZPS-E2)	5.7	6.0	5.9	5.7	5.7	6.0	5.4	5.4	5.7	5.8	5.8	5.9	5.7
PST-5LX	5.3	4.7	5.5	5.6	5.9	6.3	5.6	5.4	5.6	5.7	5.7	5.7	5.7
MICRO DD	6.0	5.5	5.7	5.7	5.8	6.0	5.4	5.4	5.6	5.8	6.0	6.1	5.7
PICK 90-10	6.0	5.2	5.4	5.4	5.8	6.1	5.5	5.3	5.7	5.9	6.0	5.6	5.7
ZPS-VL	5.0	5.0	5.6	5.6	5.9	6.0	5.3	5.2	5.6	5.9	6.0	5.8	5.7
ISI-ATK	6.0	6.5	6.2	5.6	5.6	6.0	5.6	5.5	5.6	5.7	5.8	5.7	5.7
PICK CII	5.7	5.5	5.9	5.8	5.8	6.1	5.4	5.4	5.5	5.7	6.0	5.5	5.7
SR 8400	6.0	5.8	6.0	5.4	5.6	5.9	5.6	5.5	5.7	5.8	5.7	5.8	5.7
ISI-CRC	6.0	6.2	6.0	5.8	5.6	6.1	5.6	5.5	5.6	5.7	5.6	5.6	5.7
ATF-007	6.0	5.3	5.7	5.5	5.7	6.0	5.3	5.4	5.7	5.9	6.1	5.8	5.7
OFI-TF-601	5.7	6.3	6.0	5.5	5.7	5.9	5.4	5.4	5.7	5.9	5.9	5.7	5.7
SR 8210	6.0	5.0	5.7	5.5	5.7	6.0	5.4	5.5	5.7	5.8	6.0	5.8	5.7
MONTAUK	6.0	6.0	6.0	5.5	5.6	6.0	5.5	5.4	5.6	5.7	5.8	5.9	5.7
SAFARI	6.0	5.7	6.0	5.4	5.5	5.9	5.5	5.5	5.8	5.7	5.9	6.1	5.7
ATF-006	5.7	5.8	5.8	5.5	5.8	6.1	5.5	5.1	5.4	5.8	6.0	5.7	5.7
DUKE	6.0	6.0	6.0	5.4	5.5	5.8	5.5	5.4	5.7	5.8	5.9	5.9	5.7
APACHE II (PST-59D)	5.7	5.7	5.7	5.5	5.6	5.9	5.5	5.5	5.7	5.7	5.9	5.6	5.7
ELDORADO	6.0	5.7	6.0	5.7	5.5	6.0	5.5	5.4	5.6	5.7	6.0	5.8	5.7
PRO-9178	5.7	6.0	6.0	5.5	5.7	5.8	5.4	5.3	5.6	5.8	6.0	5.7	5.7
MB-24-92	5.3	5.5	5.5	5.4	5.6	6.0	5.4	5.4	5.7	5.8	5.8	5.8	5.7
COCHISE	5.7	4.7	5.9	5.7	5.8	6.1	5.5	5.3	5.5	5.6	5.7	5.8	5.7
VIRTUE	5.7	5.8	6.2	5.6	5.6	5.8	5.3	5.4	5.6	5.8	5.9	5.8	5.7
SILVERADO	5.7	6.0	5.8	5.6	5.6	5.9	5.4	5.5	5.6	5.7	5.9	5.7	5.6
MIRAGE (KWS-DSL)	5.7	5.2	5.7	5.6	5.6	5.8	5.5	5.3	5.4	5.9	5.7	5.9	5.6
PICK 90-06	5.3	5.0	5.0	5.3	5.6	6.1	5.5	5.4	5.6	5.8	5.8	5.7	5.6

TABLE 2.
(CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
M-2	6.0	5.7	5.9	5.7	5.5	5.9	5.4	5.3	5.4	5.7	5.8	6.0	5.6
LEPRECHAUN	6.0	5.5	6.1	5.6	5.7	6.0	5.5	5.3	5.5	5.7	5.8	5.7	5.6
VEGAS	5.7	6.0	5.9	5.7	5.8	6.0	5.4	5.2	5.5	5.7	5.8	5.6	5.6
AVANTI	6.0	5.7	6.2	5.5	5.6	5.8	5.4	5.4	5.6	5.7	5.7	5.9	5.6
TITAN 2 (SR 8010)	6.0	6.3	6.3	5.6	5.7	5.8	5.5	5.4	5.5	5.6	5.7	5.6	5.6
PST-5VC	5.3	5.8	5.8	5.5	5.6	5.7	5.2	5.3	5.8	5.9	6.0	5.9	5.6
BAR FA 0855	6.0	5.8	5.9	5.3	5.4	5.7	5.4	5.4	5.7	5.8	5.9	5.9	5.6
403	6.3	6.0	6.1	5.7	5.5	5.8	5.4	5.3	5.5	5.6	5.8	5.6	5.6
TRAILBLAZER II	6.0	5.7	5.7	5.4	5.5	5.9	5.5	5.4	5.6	5.7	5.7	6.0	5.6
WXI-208-2	5.7	5.5	5.8	5.3	5.5	5.8	5.4	5.3	5.6	5.7	5.9	5.8	5.6
ADOBE (SFL)	5.7	6.0	5.8	5.5	5.6	5.9	5.4	5.2	5.4	5.6	5.8	5.8	5.6
BONSAI PLUS	6.0	5.5	5.7	5.4	5.4	5.8	5.4	5.3	5.5	5.6	5.9	5.7	5.6
SHENANDOAH	6.0	5.8	6.1	5.5	5.4	5.9	5.4	5.3	5.6	5.5	5.6	5.6	5.6
PST-5PM	5.3	5.7	5.8	5.4	5.5	5.9	5.3	5.2	5.6	5.8	6.0	5.7	5.6
SR 8300	5.7	6.2	6.1	5.6	5.7	5.7	5.4	5.4	5.5	5.6	5.7	5.7	5.6
PSTF-401	6.0	5.2	5.9	5.5	5.4	5.7	5.4	5.3	5.6	5.6	5.7	5.8	5.5
PSTF-LF	6.0	6.0	6.2	5.4	5.3	5.7	5.4	5.3	5.4	5.7	5.7	5.9	5.5
BONANZA II	5.7	5.8	6.0	5.6	5.4	5.6	5.2	5.3	5.5	5.8	5.7	5.8	5.5
ALAMO (J-1048)	5.7	5.5	5.5	5.4	5.5	5.9	5.4	5.2	5.5	5.6	5.7	5.7	5.5
BAR FA 2AB	5.3	5.7	5.5	5.4	5.4	5.6	5.4	5.3	5.6	5.8	5.8	5.7	5.5
CAFA101	6.0	5.5	6.0	5.5	5.5	5.8	5.5	5.3	5.4	5.5	5.7	5.7	5.5
AUSTIN	6.0	5.8	6.1	5.5	5.3	5.6	5.5	5.3	5.4	5.5	5.7	5.5	5.5
FA-22	6.0	5.8	5.9	5.4	5.4	5.7	5.4	5.3	5.5	5.7	5.8	5.9	5.5
KITTYHAWK	6.3	5.7	6.0	5.4	5.4	5.7	5.3	5.2	5.4	5.6	5.8	5.7	5.5
PSTF-200	6.0	6.0	6.3	5.4	5.3	5.6	5.3	5.3	5.4	5.6	5.7	5.8	5.5
FINELAWN 88	6.0	5.7	5.9	5.4	5.4	5.7	5.3	5.0	5.3	5.5	5.7	5.7	5.5
OLYMPIC II	6.0	6.0	6.0	5.5	5.4	5.5	5.3	5.1	5.4	5.5	5.8	5.9	5.5
AZTEC	6.0	5.0	5.7	5.2	5.2	5.6	5.3	5.4	5.6	5.8	5.7	5.5	5.4
PST-5STB	6.0	5.8	6.0	5.3	5.5	5.9	5.1	5.0	5.2	5.4	5.6	5.6	5.4
MONARCH	6.3	5.3	5.8	5.3	5.3	5.7	5.3	5.1	5.3	5.5	5.6	5.6	5.4
BONSAI	5.0	5.0	5.1	4.9	5.4	5.8	5.0	5.0	5.3	5.6	5.9	5.6	5.4
BAR FA 214	5.3	5.5	5.8	5.3	5.4	5.7	5.1	5.0	5.3	5.6	5.6	5.7	5.4
CAS-MA21	5.3	5.3	5.7	5.3	5.3	5.6	5.2	5.0	5.2	5.6	5.7	5.5	5.4
BONANZA	5.3	5.5	6.0	5.3	5.3	5.6	5.2	5.1	5.4	5.4	5.6	5.8	5.4
PHOENIX	6.0	5.5	6.0	5.3	5.3	5.6	5.2	5.2	5.4	5.3	5.5	5.6	5.4
ASTRO 2000	6.0	5.7	6.1	5.1	5.2	5.5	5.3	5.2	5.4	5.3	5.4	5.5	5.3
CAS-LA20	6.0	6.2	5.7	5.0	5.2	5.5	5.1	5.0	5.3	5.5	5.5	5.4	5.3
ARID	6.0	5.7	6.1	5.1	5.2	5.4	5.0	5.1	5.1	5.3	5.4	5.5	5.3
TWILIGHT	5.7	5.3	5.4	5.2	5.1	5.5	5.0	4.7	4.9	5.1	5.3	5.2	5.2
FALCON	6.0	5.5	5.9	5.0	4.9	5.2	5.1	4.8	5.0	5.1	5.3	5.5	5.2
ANTHEM	6.0	6.3	5.9	4.9	4.8	5.0	4.9	4.7	4.9	5.1	5.2	5.4	5.0
KY-31 W/ENDO.	5.7	6.0	5.7	4.5	4.6	4.5	4.5	4.1	4.1	4.3	4.5	4.7	4.5
KY-31 NO ENDO.	5.7	5.5	5.6	4.6	4.5	4.5	4.4	4.2	4.2	4.4	4.5	4.8	4.5
LSD VALUE	0.7	1.0	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.5	0.3

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

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA 1/
1993 DATA

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

NAME	AL1	AR1	AR2	AZ1	BC1	CA1	CA3	CO1	DC1	GA1	GA2	IL1	IL2	KS1	KS2	KY1	LA2	MA1	MD1	MO1	MO2
GEN-91	71.0	21.0	3.5	86.0	34.0	52.0	6.5	1.0	65.5	33.5	86.0	4.0	3.5	2.0	40.5	5.0	26.5	5.0	31.0	40.0	11.0
JAGUAR 3 (ZPS-J3)	15.0	30.5	3.5	36.0	34.0	5.0	4.5	9.5	9.0	6.0	56.5	2.0	10.5	12.0	8.5	28.5	36.0	26.5	54.5	40.0	3.5
PIXIE	30.5	21.0	47.0	1.0	18.0	20.5	65.0	15.0	19.5	25.5	34.5	42.0	20.0	33.0	2.0	9.0	26.5	9.0	54.5	1.0	1.0
ISI-AFA	3.0	8.0	7.5	69.5	49.0	29.5	22.0	43.0	81.5	4.0	17.5	42.0	60.5	5.5	8.5	3.5	6.5	20.5	54.5	7.5	7.5
MB-25-92	52.0	26.0	24.0	64.5	34.0	5.0	16.5	27.0	70.5	9.0	17.5	7.5	8.0	7.5	18.5	2.0	74.0	8.0	3.0	40.0	3.5
FINELAWN PETITE	57.5	11.0	1.0	27.5	69.0	67.5	10.5	7.5	57.5	6.0	34.5	54.5	28.0	24.0	40.5	13.5	56.0	18.0	54.5	68.0	15.5
FALCON II (MB-21-92)	71.0	51.5	36.5	5.5	69.0	17.5	4.5	7.5	65.5	25.5	56.5	57.5	53.0	3.0	18.5	1.0	76.0	15.5	12.5	18.0	15.5
REBEL, JR.	26.0	14.5	18.0	69.5	69.0	43.5	36.0	5.0	54.0	17.5	17.5	1.0	9.0	24.0	8.5	33.0	82.0	48.0	12.5	40.0	11.0
PICK 90-12	8.5	26.0	24.0	69.5	49.0	29.5	77.5	51.0	70.5	2.0	34.5	25.0	7.0	17.5	18.5	9.0	12.0	7.0	31.0	7.5	7.5
HOUNDG V (ISI-AFE)	8.5	11.0	43.0	36.0	69.0	77.5	51.5	3.0	47.0	30.5	75.5	13.0	38.0	24.0	18.5	18.0	36.0	33.0	4.0	91.5	2.0
COYOTE (ZPS-ML)	81.5	1.0	75.5	5.5	18.0	25.0	51.5	6.0	35.5	17.5	75.5	86.5	1.0	78.0	8.5	9.0	66.5	1.0	54.5	18.0	19.0
LANCER	50.0	8.0	82.0	20.5	49.0	7.5	77.5	3.0	57.5	44.5	34.5	5.0	45.5	33.0	18.5	9.0	26.5	17.0	2.0	68.0	30.0
PST-5DX W/ENDOPHYTE	68.0	44.5	27.0	44.0	34.0	37.5	10.5	51.0	39.0	25.5	10.5	19.0	57.5	78.0	40.5	33.0	5.0	30.0	31.0	40.0	43.0
TOMAHAWK	54.5	39.0	3.5	48.0	69.0	60.0	22.0	12.0	65.5	38.0	75.5	33.0	24.0	27.5	8.5	13.5	84.5	11.5	31.0	68.0	23.5
LEXUS	73.5	5.0	3.5	10.0	49.0	34.0	6.5	51.0	61.5	49.5	86.0	42.0	49.5	1.0	8.5	3.5	91.0	6.0	12.5	3.0	11.0
MB-23-92	40.5	26.0	7.5	27.5	69.0	48.5	16.5	58.0	92.0	70.0	90.0	62.0	36.0	68.0	2.0	9.0	70.0	32.0	1.0	40.0	19.0
REBEL-3D	54.5	21.0	24.0	79.0	18.0	55.5	36.0	3.0	77.5	14.5	56.5	30.0	28.0	33.0	18.5	9.0	44.5	24.0	85.0	18.0	23.5
SR 8200	8.5	54.5	36.5	20.5	69.0	43.5	51.5	15.0	54.0	6.0	3.5	35.0	5.0	44.0	27.5	42.5	63.0	56.0	54.5	7.5	70.0
SIU-1	62.5	39.0	72.5	36.0	69.0	11.0	65.0	27.0	4.5	66.0	34.5	19.0	6.0	17.5	54.0	21.0	56.0	83.0	31.0	40.0	30.0
CORONADO (PST-RDG)	11.5	26.0	57.0	13.5	88.5	29.5	36.0	22.5	91.0	9.0	3.5	74.5	10.5	20.5	27.5	18.0	36.0	3.5	85.0	68.0	39.5
MB-22-92	40.5	30.5	12.0	10.0	49.0	9.0	36.0	80.0	37.0	3.0	75.5	62.0	81.0	27.5	18.5	24.5	20.5	37.0	12.5	40.0	30.0
FA-19	89.0	11.0	68.5	64.5	18.0	14.5	16.5	22.5	61.5	30.5	34.5	25.0	34.0	33.0	40.5	56.5	26.5	40.0	75.0	40.0	23.5
GUARDIAN	40.5	85.0	68.5	10.0	49.0	55.5	36.0	43.0	7.0	70.0	17.5	9.0	53.0	33.0	27.5	51.5	59.5	61.5	12.5	3.0	7.5
PST-5LX	20.5	36.0	52.0	20.5	6.5	67.5	25.5	38.5	88.5	38.0	56.5	54.5	34.0	12.0	8.5	15.5	78.0	29.0	12.5	7.5	74.0
DUSTER (ITR-90-2)	78.5	8.0	10.0	13.5	18.0	14.5	22.0	13.0	77.5	92.0	34.5	74.5	55.5	59.5	64.5	24.5	75.0	10.0	54.5	85.0	30.0
SR 8400	30.5	26.0	30.5	53.5	34.0	87.5	51.5	58.0	22.0	81.0	3.5	13.0	14.0	20.5	40.5	62.0	36.0	70.5	31.0	18.0	55.5
MICRO DD	75.0	33.0	85.5	59.5	49.0	2.5	65.0	27.0	54.0	54.0	56.5	62.0	28.0	7.5	40.5	42.5	44.5	14.0	31.0	68.0	36.5
PICK 90-10	30.5	2.0	64.5	84.5	49.0	23.5	65.0	18.0	59.5	78.0	17.5	42.0	75.5	49.0	40.5	9.0	53.5	13.0	12.5	83.5	13.5
ISI-ATK	11.5	33.0	68.5	48.0	69.0	11.0	77.5	35.0	19.5	44.5	75.5	25.0	45.5	59.5	54.0	42.5	3.0	45.0	75.0	40.0	30.0
EMPEROR II (ZPS-E2)	73.5	41.5	33.5	13.5	18.0	11.0	51.5	38.5	88.5	25.5	34.5	68.0	14.0	17.5	2.0	18.0	8.5	20.5	75.0	68.0	19.0
SR 8210	23.5	62.5	20.5	59.5	69.0	52.0	51.5	32.0	54.0	38.0	86.0	50.0	86.0	24.0	54.0	37.0	90.0	52.5	54.5	18.0	62.0
OFI-TF-601	15.0	33.0	33.5	53.5	6.5	64.0	36.0	18.0	47.0	88.5	56.5	42.0	55.5	54.0	40.5	46.5	36.0	49.0	31.0	18.0	47.5
ISI-CRC	20.5	58.5	7.5	53.5	18.0	37.5	36.0	76.5	9.0	49.5	34.5	19.0	38.0	40.0	73.0	62.0	16.5	78.0	31.0	18.0	62.0
PICK CII	54.5	70.0	17.0	76.5	69.0	71.5	36.0	65.0	14.0	74.5	56.5	7.5	45.5	59.5	64.5	46.5	66.5	19.0	12.5	40.0	47.5
ATF-007	92.0	44.5	12.0	74.5	69.0	37.5	16.5	65.0	70.5	17.5	56.5	88.5	77.0	12.0	18.5	33.0	50.5	26.5	75.0	68.0	30.0
MONTAUK	35.5	66.0	57.0	79.0	34.0	82.0	10.5	18.0	39.0	88.5	34.5	30.0	49.5	33.0	54.0	51.5	36.0	41.5	31.0	68.0	55.5
ATF-006	37.0	4.0	78.5	87.0	69.0	17.5	51.5	22.5	77.5	85.5	17.5	79.5	31.0	59.5	8.5	28.5	26.5	34.5	67.5	18.0	70.0
SAFARI	4.5	78.5	27.0	44.0	18.0	55.5	83.5	11.0	29.0	17.5	75.5	74.5	20.0	49.0	64.5	62.0	72.5	64.0	12.5	40.0	47.5
ELDORADO	46.0	51.5	82.0	20.5	69.0	37.5	22.0	9.5	34.0	38.0	34.5	25.0	14.0	12.0	64.5	24.5	59.5	61.5	67.5	40.0	65.5
DUKE	26.0	72.5	47.0	20.5	34.0	71.5	10.5	65.0	24.5	11.0	34.5	50.0	66.0	65.0	8.5	33.0	56.0	63.0	54.5	18.0	55.5
ZPS-VL	40.5	14.5	30.5	92.0	18.0	5.0	51.5	65.0	59.5	59.0	91.0	84.0	20.0	49.0	27.5	15.5	80.0	2.0	90.0	40.0	55.5
MB-24-92	30.5	18.5	68.5	59.5	69.0	20.5	51.5	32.0	65.5	38.0	34.5	69.0	74.0	49.0	40.5	39.5	20.5	39.0	31.0	68.0	19.0
COCHISE	77.0	58.5	20.5	90.0	6.5	41.0	1.5	35.0	47.0	49.5	7.5	67.0	2.0	5.5	40.5	37.0	78.0	56.0	31.0	68.0	30.0
PRO-9178	57.5	44.5	52.0	59.5	49.0	29.5	22.0	20.0	11.0	59.0	56.5	36.5	14.0	59.5	54.0	62.0	44.5	45.0	54.5	68.0	36.5
SILVERADO	26.0	54.5	20.5	88.5	83.0	80.5	86.0	58.0	75.0	12.5	34.5	33.0	60.5	12.0	18.5	46.5	36.0	56.0	75.0	40.0	30.0
APACHE II (PST-59D)	50.0	17.0	36.5	59.5	49.0	37.5	73.0	51.0	84.0	12.5	56.5	81.0	60.5	74.0	18.5	21.0	50.5	15.5	75.0	68.0	55.5
PICK 90-06	46.0	6.0	7.5	91.0	18.0	20.5	65.0	27.0	81.5	66.0	34.5	85.0	24.0	17.5	40.5	51.5	82.0	22.5	85.0	7.5	55.5
TITAN 2 (SR 8010)	62.5	62.5	57.0	64.5	18.0	52.0	86.0	47.0	30.5	59.0	56.5	25.0	28.0	65.0	64.5	81.0	2.0	79.5	12.5	68.0	43.0
PST-5VC	30.5	3.0	12.0	83.0	49.0	45.5	59.5	69.5	86.0	1.0	86.0	47.5	87.0	49.0	64.5	39.5	36.0	43.0	54.5	7.5	36.5

TABLE 3. (CONTINUED)

 RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA
 1993 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	AL1	AR1	AR2	AZ1	BC1	CA1	CA3	CO1	DC1	GA1	GA2	IL1	IL2	KS1	KS2	KY1	LA2	MA1	MD1	MO1	MO2
LEPRECHAUN	23.5	41.5	36.5	81.5	69.0	60.0	10.5	38.5	51.0	74.5	34.5	62.0	32.0	4.0	54.0	24.5	72.5	52.5	42.0	68.0	23.5
MIRAGE (KWS-DSL)	50.0	14.5	63.0	44.0	1.5	23.5	16.5	27.0	32.5	20.5	10.5	70.5	34.0	24.0	27.5	76.5	92.0	56.0	54.5	68.0	13.5
AVANTI	65.0	48.0	57.0	2.0	49.0	48.5	65.0	22.5	39.0	14.5	67.5	74.5	28.0	40.0	40.5	51.5	68.0	74.0	31.0	18.0	19.0
M-2	59.5	72.5	30.5	20.5	3.0	29.5	36.0	58.0	12.0	32.0	67.5	33.0	20.0	40.0	77.5	73.0	44.5	56.0	31.0	68.0	55.5
BAR FA 0855	78.5	51.5	52.0	48.0	34.0	37.5	70.5	47.0	77.5	74.5	75.5	42.0	43.0	59.5	64.5	73.0	50.5	47.0	75.0	40.0	55.5
WXI-208-2	15.0	62.5	47.0	64.5	6.5	2.5	51.5	72.5	35.5	25.5	34.5	91.0	68.5	84.5	40.5	33.0	26.5	50.5	31.0	40.0	7.5
VIRTUE	87.0	48.0	47.0	36.0	18.0	60.0	36.0	47.0	27.5	90.5	92.0	25.0	53.0	12.0	54.0	28.5	59.5	22.5	54.5	68.0	5.0
403	68.0	58.5	40.0	30.0	1.5	75.0	65.0	89.0	13.0	90.5	56.5	10.5	3.5	33.0	27.5	51.5	16.5	34.5	12.5	40.0	47.5
TRAILBLAZER II	34.0	48.0	15.0	73.0	18.0	79.0	73.0	38.5	54.0	20.5	34.5	54.5	71.5	44.0	40.5	37.0	53.5	69.0	85.0	82.0	43.0
VEGAS	84.5	26.0	60.0	36.0	88.5	29.5	73.0	87.5	42.0	59.0	86.0	6.0	41.0	49.0	40.5	42.5	20.5	26.5	54.5	40.0	70.0
SR 8300	8.5	66.0	15.0	27.5	6.5	84.0	10.5	72.5	15.5	54.0	56.5	15.5	24.0	54.0	73.0	62.0	16.5	86.0	31.0	86.0	84.5
SHENANDOAH	20.5	76.0	78.5	36.0	18.0	84.0	77.5	58.0	47.0	78.0	17.5	79.5	14.0	33.0	64.5	51.5	10.5	79.5	31.0	68.0	65.5
ADOBE (SFL)	1.0	58.5	75.5	84.5	69.0	7.5	36.0	30.0	85.0	9.0	34.5	36.5	81.0	68.0	40.5	56.5	8.5	37.0	75.0	68.0	36.5
BONSAI PLUS	68.0	76.0	61.5	88.5	69.0	29.5	36.0	35.0	65.5	49.5	7.5	42.0	84.0	68.0	8.5	67.0	59.5	31.0	54.5	3.0	70.0
PSTF-401	15.0	72.5	52.0	69.5	69.0	42.0	36.0	76.5	17.0	38.0	17.5	3.0	66.0	40.0	64.5	56.5	82.0	82.0	12.5	40.0	55.5
PST-5PM	91.0	18.5	47.0	36.0	69.0	64.0	36.0	43.0	74.0	54.0	56.5	50.0	75.5	54.0	40.5	28.5	65.0	26.5	75.0	68.0	70.0
PSTF-LF	2.0	81.0	43.0	13.5	34.0	77.5	36.0	43.0	3.0	25.5	34.5	17.0	45.5	78.0	64.5	69.5	36.0	72.0	54.5	18.0	65.5
BONANZA II	46.0	51.5	27.0	53.5	34.0	67.5	58.0	51.0	47.0	42.0	34.5	30.0	66.0	33.0	64.5	73.0	16.5	75.0	31.0	68.0	39.5
BAR FA 2AB	81.5	39.0	15.0	53.5	6.5	48.5	36.0	32.0	81.5	83.0	56.5	54.5	49.5	12.0	27.5	21.0	26.5	50.5	75.0	68.0	43.0
CAFA101	54.5	78.5	40.0	20.5	69.0	55.5	65.0	83.0	15.5	70.0	56.5	42.0	17.0	74.0	77.5	67.0	86.5	73.0	12.5	88.0	79.5
FA-22	15.0	36.0	72.5	69.5	69.0	14.5	65.0	65.0	65.5	44.5	86.0	74.5	20.0	87.5	77.5	83.0	26.5	77.0	12.5	40.0	30.0
ALAMO (J-1048)	40.5	62.5	92.0	3.0	34.0	80.5	3.0	71.0	47.0	49.5	75.5	62.0	49.5	49.0	54.0	73.0	20.5	45.0	31.0	68.0	73.0
KITTYHAWK	30.5	56.0	82.0	36.0	69.0	29.5	88.0	65.0	42.0	81.0	75.5	70.5	57.5	70.5	81.0	79.0	70.0	67.5	75.0	18.0	76.5
AUSTIN	71.0	81.0	68.5	5.5	69.0	64.0	81.0	76.5	27.5	59.0	3.5	15.5	38.0	59.5	86.5	76.5	10.5	65.5	12.5	40.0	43.0
PSTF-200	76.0	81.0	40.0	5.5	88.5	67.5	81.0	81.5	2.0	25.5	34.5	10.5	60.5	44.0	88.5	56.5	1.0	67.5	54.5	40.0	86.0
FINELAWN 88	46.0	72.5	75.5	53.5	49.0	45.5	51.5	76.5	47.0	59.0	17.5	47.5	41.0	65.0	54.0	69.5	50.5	60.0	54.5	68.0	79.5
AZTEC	59.5	36.0	30.5	36.0	18.0	75.0	16.5	15.0	42.0	66.0	75.5	25.0	92.0	59.5	73.0	46.5	88.0	89.0	54.5	40.0	62.0
OLYMPIC II	46.0	86.0	52.0	8.0	88.5	14.5	83.5	74.0	24.5	49.5	34.5	42.0	63.5	80.0	84.0	84.5	48.0	85.0	31.0	40.0	78.0
MONARCH	88.0	66.0	57.0	20.5	34.0	71.5	51.5	58.0	24.5	85.5	75.5	82.0	78.0	70.5	73.0	73.0	84.5	65.5	75.0	68.0	65.5
PST-5STB	81.5	26.0	87.0	27.5	18.0	48.5	1.5	43.0	81.5	74.5	75.5	86.5	71.5	40.0	73.0	79.0	63.0	37.0	85.0	40.0	76.5
BAR FA 214	84.5	44.5	20.5	69.5	88.5	20.5	36.0	79.0	70.5	44.5	86.0	13.0	81.0	74.0	81.0	82.0	44.5	70.5	31.0	18.0	81.5
BONANZA	61.0	88.0	75.5	59.5	34.0	71.5	70.5	69.5	32.5	63.0	56.5	62.0	41.0	84.5	64.5	79.0	70.0	76.0	54.5	89.0	81.5
PHOENIX	6.0	83.0	64.5	50.0	34.0	90.0	81.0	65.0	24.5	38.0	17.5	62.0	68.5	84.5	81.0	84.5	13.5	81.0	54.5	87.0	84.5
CAS-MA21	65.0	68.5	82.0	20.5	49.0	60.0	36.0	84.5	19.5	66.0	75.5	57.5	71.5	74.0	77.5	62.0	78.0	59.0	54.5	40.0	55.5
BONSAI	86.0	14.5	82.0	74.5	49.0	1.0	25.5	54.0	88.5	33.5	56.5	83.0	88.0	84.5	40.5	87.5	44.5	11.5	85.0	68.0	75.0
ASTRO 2000	40.5	84.0	68.5	36.0	83.0	60.0	75.0	58.0	9.0	78.0	56.5	52.0	71.5	81.5	84.0	67.0	36.0	87.0	12.5	83.5	83.0
CAS-LA20	90.0	68.5	43.0	79.0	83.0	75.0	59.5	86.0	73.0	72.0	56.5	74.5	63.5	74.0	84.0	62.0	36.0	41.5	85.0	18.0	50.0
ARID	18.0	87.0	85.5	20.5	34.0	87.5	86.0	84.5	1.0	59.0	34.5	66.0	85.0	87.5	86.5	87.5	13.5	90.0	75.0	68.0	89.0
TWILIGHT	81.5	76.0	88.5	44.0	88.5	86.0	36.0	81.5	88.5	25.5	10.5	92.0	79.0	89.0	27.5	86.0	86.5	3.5	54.5	40.0	87.0
FALCON	4.5	89.0	88.5	44.0	18.0	84.0	89.5	87.5	4.5	66.0	10.5	78.0	83.0	81.5	88.5	89.0	89.0	84.0	54.5	18.0	90.0
ANTHEM	35.5	90.0	61.5	36.0	69.0	89.0	89.5	90.0	6.0	85.5	3.5	21.0	89.5	90.0	90.0	90.0	4.0	88.0	89.0	40.0	88.0
KY-31 W/ENDO.	20.5	92.0	91.0	76.5	88.5	91.0	92.0	92.0	30.5	85.5	3.5	90.0	89.5	92.0	92.0	92.0	6.5	92.0	92.0	91.5	92.0
KY-31 NO ENDO.	65.0	91.0	90.0	81.5	88.5	92.0	91.0	91.0	19.5	81.0	75.5	88.5	91.0	91.0	91.0	91.0	63.0	91.0	91.0	90.0	91.0

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. (CONTINUED)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA 1/
1993 DATA

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

NAME	MO3	MO4	MS1	NE1	NE2	NE3	NJ1	NJ2	PA1	PA2	RI1	SD1	UB1	UB2	VA1	VA4	VA8	WA1	MEAN
GEN-91	3.0	40.0	54.0	2.5	2.0	1.0	11.0	15.0	24.5	29.5	10.5	3.0	1.0	1.5	5.0	17.5	19.5	3.0	1
JAGUAR 3 (ZPS-J3)	31.0	3.5	56.5	66.5	3.0	29.0	28.0	3.0	8.0	56.0	7.5	10.5	22.0	9.0	22.0	25.5	14.5	11.0	2
PIXIE	37.5	18.0	10.5	16.5	11.5	77.0	15.0	9.0	45.0	45.5	35.0	23.0	6.5	18.5	17.0	14.5	57.0	4.5	3
ISI-AFA	1.0	86.0	69.5	1.0	4.5	85.0	2.0	4.0	10.5	49.5	16.0	43.0	16.0	22.5	1.0	8.5	41.0	40.0	4
MB-25-92	31.0	50.0	69.5	42.0	11.5	22.0	5.0	6.0	27.5	56.0	5.0	66.5	14.0	9.0	47.0	5.5	60.0	7.5	5
FINELAWN PETITE	4.5	13.0	46.0	16.5	1.0	66.5	7.5	15.0	66.0	61.0	28.5	13.5	9.5	3.5	58.5	2.0	2.5	15.5	6
FALCON II (MB-21-92)	27.5	1.0	6.5	23.0	86.5	26.5	4.0	1.0	20.0	40.0	80.0	55.5	4.0	22.5	2.0	25.5	19.5	45.5	7
REBEL, JR.	18.5	78.0	22.0	5.5	70.0	4.5	49.5	41.0	1.0	15.5	28.5	66.5	19.5	15.5	33.5	55.5	5.5	21.0	8
PICK 90-12	7.5	3.5	1.0	66.5	75.5	66.5	1.0	7.0	16.0	85.0	89.0	71.0	14.0	85.0	22.0	31.5	67.5	50.0	9
HOUNDG V (ISI-AFE)	13.0	8.5	12.0	9.5	11.5	22.0	7.5	2.0	13.0	29.5	35.0	76.5	6.5	42.0	47.0	21.0	2.5	50.0	10
COYOTE (ZPS-ML)	13.0	40.0	85.0	8.0	86.5	76.0	3.0	5.0	56.0	89.0	50.0	27.0	3.0	52.5	8.5	4.0	60.0	1.0	11
LANCER	10.0	40.0	25.5	5.5	11.5	11.0	37.0	22.0	91.0	75.0	35.0	1.0	12.0	1.5	22.0	14.5	64.5	12.5	12
PST-5DX W/ENDOPHYTE	48.5	53.0	23.5	5.5	36.5	44.5	10.0	12.5	4.5	56.0	18.5	20.5	33.0	35.0	22.0	11.5	53.0	78.0	13
TOMAHAWK	56.0	50.0	63.0	12.0	36.5	53.5	17.0	24.5	20.0	49.5	44.0	50.0	37.5	18.5	40.0	3.0	47.5	23.0	14
LEXUS	4.5	91.0	66.0	2.5	55.5	11.0	26.0	8.0	78.0	87.0	35.0	85.0	2.0	5.0	64.0	7.0	86.5	61.5	15
MB-23-92	10.0	5.0	36.0	14.0	25.0	22.0	23.5	36.5	6.5	45.5	64.5	62.5	17.5	18.5	22.0	25.5	86.5	25.5	16
REBEL-3D	13.0	34.0	51.5	42.0	70.0	35.5	16.0	41.0	61.0	61.0	22.5	23.0	17.5	27.5	47.0	35.0	81.0	31.5	17
SR 8200	56.0	6.5	17.5	61.0	25.0	60.5	44.5	36.5	46.5	21.0	22.5	66.5	51.5	75.5	28.0	19.0	19.5	40.0	18
SIU-1	65.0	27.0	17.5	26.0	70.0	29.0	59.0	41.0	34.0	45.5	1.0	10.5	45.5	13.0	28.0	10.0	14.5	31.5	19
CORONADO (PST-RDG)	27.5	34.0	84.0	72.5	59.0	7.0	7.5	10.5	30.5	78.0	70.5	78.5	25.0	79.5	79.5	21.0	76.5	21.0	20
MB-22-92	27.5	82.0	4.0	19.0	49.5	11.0	47.0	39.0	16.0	86.0	50.0	16.0	37.5	61.0	8.5	21.0	70.0	31.5	21
FA-19	48.5	50.0	46.0	53.0	70.0	4.5	33.5	27.5	3.0	36.0	70.5	27.0	29.0	48.0	50.0	35.0	26.5	50.0	22
GUARDIAN	52.0	30.5	2.0	25.0	11.5	3.0	59.0	17.5	63.0	36.0	57.5	38.0	45.5	35.0	44.0	72.0	26.5	21.0	23
PST-5LX	41.0	63.5	89.5	80.5	63.5	22.0	14.0	36.5	6.5	75.0	57.5	66.5	29.0	9.0	6.0	17.5	53.0	43.0	24
DUSTER (ITR-90-2)	22.5	19.5	72.0	12.0	59.0	87.0	21.0	12.5	42.0	61.0	28.5	78.5	6.5	56.0	3.0	60.0	23.0	25.5	25
SR 8400	73.5	27.0	36.0	42.0	25.0	86.0	27.0	50.0	12.0	29.5	20.0	60.0	64.5	75.5	13.0	43.5	8.0	31.5	26
MICRO DD	18.5	40.0	58.0	29.0	36.5	66.5	23.5	21.0	69.5	29.5	10.5	34.5	25.0	48.0	61.5	67.0	47.5	18.0	27
PICK 90-10	34.0	63.5	54.0	20.5	36.5	44.5	19.0	51.0	37.0	64.5	50.0	82.0	11.0	56.0	74.0	11.5	70.0	25.5	28
ISI-ATK	45.5	23.0	6.5	32.0	11.5	53.5	65.0	63.0	24.5	12.5	13.5	23.0	45.5	68.0	33.5	51.5	23.0	56.5	29
EMPEROR II (ZPS-E2)	37.5	88.0	61.0	66.5	83.5	35.5	31.5	20.0	34.0	71.0	80.0	55.5	37.5	79.5	13.0	25.5	84.0	7.5	30
SR 8210	18.5	2.0	56.5	9.5	11.5	15.5	29.5	44.5	27.5	29.5	35.0	31.0	56.5	48.0	33.5	14.5	60.0	4.5	31
OFI-TF-601	10.0	82.0	19.5	53.0	25.0	66.5	52.0	48.0	72.5	24.0	28.5	20.5	37.5	27.5	28.0	31.5	34.0	15.5	32
ISI-CRC	37.5	53.0	27.5	23.0	36.5	58.5	63.5	77.0	24.5	12.5	22.5	55.5	73.5	13.0	50.0	51.5	1.0	84.0	33
PICK CII	56.0	23.0	54.0	53.0	70.0	35.5	61.0	55.0	50.0	15.5	3.0	27.0	22.0	3.5	22.0	51.5	45.0	36.5	34
ATF-007	15.5	27.0	42.5	16.5	11.5	26.5	19.0	19.0	66.0	82.5	50.0	71.0	9.5	56.0	7.0	25.5	73.0	2.0	35
MONTAUK	52.0	30.5	30.5	42.0	25.0	31.5	56.5	29.0	4.5	45.5	80.0	38.0	51.5	35.0	22.0	60.0	34.0	18.0	36
ATF-006	18.5	69.5	89.5	53.0	17.5	17.5	52.0	49.0	58.5	52.5	40.5	18.5	14.0	6.0	81.5	35.0	84.0	9.5	37
SAFARI	69.5	63.5	9.0	29.0	75.5	40.5	31.5	31.0	50.0	9.0	5.0	16.0	64.5	42.0	33.5	35.0	41.0	78.0	38
ELDORADO	61.5	30.5	59.5	72.5	49.5	90.0	40.5	17.5	42.0	29.5	80.0	7.0	29.0	15.5	69.0	38.0	34.0	56.5	39
DUKE	75.0	63.5	3.0	53.0	79.5	73.5	49.5	24.5	2.0	56.0	25.0	74.0	45.5	48.0	13.0	67.0	41.0	36.5	40
ZPS-VL	7.5	16.5	87.0	5.5	44.5	22.0	29.5	10.5	54.0	80.0	70.5	75.0	29.0	90.0	40.0	5.5	76.5	6.0	41
MB-24-92	6.0	74.0	91.0	35.5	4.5	15.5	13.0	68.0	37.0	81.0	50.0	82.0	25.0	22.5	22.0	35.0	89.0	40.0	42
COCHISE	22.5	45.5	48.0	76.0	83.5	73.5	39.0	57.0	22.0	40.0	28.5	66.5	45.5	27.5	85.0	43.5	73.0	72.0	43
PRO-9178	48.5	69.5	51.5	29.0	25.0	62.5	63.5	30.0	63.0	67.5	61.5	5.0	54.5	9.0	61.5	43.5	34.0	31.5	44
SILVERADO	45.5	56.5	63.0	38.0	25.0	14.0	33.5	24.5	68.0	71.0	57.5	18.5	37.5	25.0	15.5	67.0	29.5	40.0	45
APACHE II (PST-59D)	2.0	92.0	76.5	80.5	49.5	48.0	35.0	32.5	9.0	67.5	70.5	31.0	22.0	66.0	33.5	29.5	41.0	50.0	46
PICK 90-06	22.5	23.0	86.0	42.0	19.5	53.5	7.5	44.5	30.5	92.0	90.0	85.0	29.0	86.5	66.0	8.5	84.0	12.5	47
TITAN 2 (SR 8010)	78.0	40.0	19.5	47.0	36.5	40.5	70.0	36.5	18.0	1.0	22.5	2.0	82.5	48.0	50.0	81.5	10.0	72.0	48
PST-5VC	78.0	82.0	82.5	87.0	89.5	7.0	44.5	24.5	14.0	82.5	80.0	27.0	6.5	42.0	4.0	1.0	90.0	56.5	49

TABLE 3. (CONTINUED)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THIRTY-NINE LOCATIONS IN THE U.S. AND CANADA
1993 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	MO3	MO4	MS1	NE1	NE2	NE3	NJ1	NJ2	PA1	PA2	RI1	SD1	UB1	UB2	VA1	VA4	VA8	WA1	MEAN
LEPRECHAUN	37.5	90.0	42.5	20.5	49.5	70.5	44.5	34.0	34.0	73.0	40.5	33.0	33.0	30.5	54.0	43.5	67.5	68.0	50
MIRAGE (KWS-DSL)	61.5	63.5	72.0	53.0	92.0	53.5	40.5	32.5	54.0	36.0	64.5	12.0	51.5	83.5	79.5	55.5	26.5	44.0	51
AVANTI	58.5	63.5	32.5	35.5	31.0	22.0	42.0	65.0	66.0	24.0	18.5	60.0	60.0	27.5	54.0	81.5	34.0	56.5	52
M-2	34.0	63.5	23.5	23.0	63.5	73.5	76.5	53.0	81.0	18.0	40.5	4.0	80.0	64.5	58.5	60.0	14.5	14.0	53
BAR FA 0855	27.5	10.5	10.5	29.0	6.0	11.0	66.5	53.0	24.5	21.0	70.5	50.0	64.5	48.0	54.0	67.0	34.0	72.0	54
WXI-208-2	15.5	34.0	79.5	78.0	49.5	22.0	55.0	44.5	69.5	78.0	70.5	43.0	60.0	75.5	11.0	67.0	23.0	61.5	55
VIRTUE	40.0	13.0	63.0	66.5	19.5	48.0	19.0	44.5	79.0	49.5	80.0	46.0	41.5	56.0	40.0	60.0	14.5	54.0	56
403	54.0	82.0	13.0	29.0	42.5	53.5	48.0	70.0	88.5	29.5	40.5	43.0	68.5	61.0	83.5	67.0	14.5	75.0	57
TRAILBLAZER II	73.5	45.5	40.0	61.0	11.5	35.5	37.0	27.5	90.0	42.5	57.5	46.0	19.5	68.0	77.5	43.5	19.5	31.5	58
VEGAS	25.0	6.5	66.0	12.0	17.5	40.5	44.5	47.0	77.0	75.0	50.0	87.0	51.5	71.0	33.5	51.5	76.5	18.0	59
SR 8300	69.5	45.5	29.0	33.0	11.5	11.0	81.0	77.0	16.0	38.0	70.5	38.0	54.5	35.0	22.0	43.5	34.0	65.5	60
SHENANDOAH	61.5	23.0	42.5	76.0	36.5	7.0	75.0	80.0	30.5	18.0	64.5	50.0	60.0	35.0	10.0	43.5	47.5	31.5	61
ADOBE (SFL)	65.0	45.5	49.5	53.0	74.0	44.5	68.0	56.0	58.5	64.5	57.5	60.0	68.5	35.0	81.5	43.5	4.0	68.0	62
BONSAI PLUS	22.5	53.0	75.0	66.5	36.5	70.5	52.0	58.5	82.5	71.0	16.0	55.5	56.5	42.0	76.0	72.0	5.5	25.5	63
PSTF-401	80.5	13.0	39.0	66.5	25.0	31.5	69.0	75.0	80.0	10.0	64.5	50.0	73.5	18.5	69.0	77.0	41.0	65.5	64
PST-5PM	43.0	69.5	68.0	85.5	42.5	84.0	23.5	15.0	50.0	61.0	61.5	66.5	41.5	56.0	54.0	14.5	26.5	78.0	65
PSTF-LF	65.0	23.0	30.5	85.5	70.0	35.5	72.0	73.0	72.5	24.0	75.0	34.5	73.5	86.5	61.5	87.0	41.0	81.0	66
BONANZA II	61.5	56.5	36.0	46.0	79.5	35.5	72.0	70.0	84.0	67.5	50.0	16.0	60.0	35.0	40.0	60.0	64.5	61.5	67
BAR FA 2AB	52.0	74.0	81.0	80.5	44.5	2.0	23.5	60.0	88.5	61.0	84.5	92.0	33.0	42.0	57.0	77.0	91.0	40.0	68
CAFA101	84.5	10.5	15.5	35.5	49.5	58.5	74.0	58.5	44.0	4.0	35.0	13.5	73.5	73.0	33.5	77.0	7.0	45.5	69
FA-22	78.0	30.5	36.0	80.5	89.5	60.5	56.5	53.0	20.0	42.5	16.0	38.0	45.5	48.0	66.0	51.5	81.0	50.0	70
ALAMO (J-1048)	31.0	88.0	66.0	53.0	49.5	78.5	59.0	65.0	50.0	90.0	50.0	7.0	68.5	30.5	15.5	60.0	29.5	61.5	71
KITTYHAWK	48.5	45.5	15.5	53.0	66.0	80.0	82.0	61.5	42.0	18.0	10.5	9.0	80.0	22.5	69.0	60.0	53.0	31.5	72
AUSTIN	43.0	82.0	36.0	66.5	55.5	78.5	66.5	70.0	63.0	34.0	76.0	71.0	73.5	64.5	61.5	72.0	47.5	72.0	73
PSTF-200	84.5	15.0	6.5	88.5	79.5	29.0	62.0	79.0	75.0	14.0	10.5	55.5	82.5	68.0	71.0	84.0	53.0	86.0	74
FINELAWN 88	58.5	69.5	42.5	42.0	79.5	66.5	87.0	81.5	39.0	29.5	5.0	76.5	77.5	71.0	83.5	81.5	41.0	86.0	75
AZTEC	69.5	63.5	79.5	61.0	54.0	73.5	54.0	67.0	50.0	40.0	2.0	7.0	49.0	13.0	44.0	25.5	76.5	82.0	76
OLYMPIC II	84.5	8.5	27.5	53.0	49.5	62.5	86.0	77.0	58.5	5.0	7.5	27.0	85.0	88.0	54.0	51.5	14.5	50.0	77
MONARCH	69.5	74.0	6.5	83.0	91.0	81.0	72.0	61.5	30.5	56.0	86.5	31.0	80.0	61.0	44.0	81.5	53.0	61.5	78
PST-5STB	76.0	85.0	76.5	35.5	30.0	17.5	12.0	84.0	75.0	67.5	92.0	88.0	64.5	79.5	86.0	74.5	73.0	78.0	79
BAR FA 214	84.5	78.0	82.5	76.0	63.5	53.5	76.5	74.0	71.0	49.5	84.5	80.0	60.0	9.0	33.5	43.5	79.0	72.0	80
BONANZA	69.5	19.5	74.0	88.5	70.0	48.0	85.0	65.0	10.5	78.0	70.5	85.0	68.5	39.0	40.0	67.0	64.5	61.5	81
PHOENIX	69.5	16.5	25.5	53.0	36.5	83.0	80.0	86.0	54.0	7.0	35.0	62.5	86.0	82.0	74.0	79.0	53.0	68.0	82
CAS-MA21	82.0	88.0	78.0	66.5	59.0	66.5	83.0	72.0	40.0	84.0	91.0	82.0	77.5	52.5	72.0	85.0	10.0	50.0	83
BONSAI	43.0	56.5	92.0	42.0	63.5	44.5	37.0	81.5	87.0	91.0	88.0	50.0	37.5	61.0	88.5	29.5	92.0	9.5	84
ASTRO 2000	88.0	59.0	46.0	72.5	25.0	40.5	84.0	85.0	75.0	11.0	13.5	41.0	87.0	75.5	74.0	86.0	60.0	83.0	85
CAS-LA20	80.5	78.0	49.5	59.0	79.5	53.5	78.0	83.0	37.0	88.0	80.0	89.0	84.0	61.0	77.5	43.5	88.0	78.0	86
ARID	89.0	56.5	32.5	72.5	59.0	53.5	88.0	88.0	46.5	6.0	28.5	38.0	88.0	83.5	66.0	74.5	53.0	89.0	87
TWILIGHT	34.0	74.0	88.0	16.5	36.5	91.0	79.0	87.0	92.0	52.5	86.5	91.0	73.5	71.0	91.0	88.0	60.0	90.0	88
FALCON	87.0	36.0	21.0	84.0	59.0	88.5	89.0	89.0	58.5	21.0	44.0	90.0	89.0	79.5	87.0	90.0	10.0	86.0	89
ANTHEM	90.0	37.0	14.0	90.5	86.5	82.0	90.0	90.0	82.5	8.0	44.0	55.5	90.0	89.0	88.5	89.0	64.5	88.0	90
KY-31 W/ENDO.	92.0	45.5	59.5	92.0	86.5	88.5	92.0	92.0	86.0	2.0	50.0	46.0	91.5	91.0	92.0	92.0	81.0	91.0	91
KY-31 NO ENDO.	91.0	74.0	72.0	90.5	79.5	92.0	91.0	91.0	85.0	3.0	57.5	73.0	91.5	92.0	90.0	91.0	70.0	92.0	92

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.

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

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

NAME	AL1	AR1	BC1	CA1	CA3	IL1	IL2	KS1	MO2	MO3	MO4	MS1	NE1	NE2	NE3	NJ1	NJ2	PA1	PA2	RI1	SD1	VA1	WA1	MEAN
TWILIGHT	6.3	8.7	7.0	6.0	7.7	8.0	9.0	7.3	8.0	6.3	6.0	7.0	7.0	6.7	6.3	7.3	9.0	9.0	7.0	9.0	7.7	3.3	8.0	7.3
COYOTE (ZPS-ML)	6.3	9.0	7.0	7.0	7.0	8.3	9.0	7.7	7.7	5.7	8.0	6.3	7.0	6.7	6.0	7.0	9.0	8.7	6.0	6.7	7.0	5.3	8.7	7.3
ZPS-VL	6.3	9.0	6.7	6.0	7.3	7.7	7.7	7.3	8.0	6.3	7.3	6.0	7.0	6.3	6.3	7.3	9.0	7.3	6.7	6.7	7.7	4.0	8.3	7.1
GEN-91	5.7	8.7	6.3	6.0	7.7	7.7	7.3	7.3	8.0	7.0	7.0	6.3	7.0	6.3	7.0	6.7	8.3	7.0	6.3	7.3	7.0	6.0	8.0	7.0
LEXUS	6.0	8.7	6.3	6.3	7.3	8.0	7.7	7.3	8.0	7.0	6.3	6.0	7.0	7.0	6.3	7.0	8.7	7.0	6.3	6.0	7.0	4.3	7.7	6.9
FINELAWN PETITE	6.7	9.0	6.7	6.0	7.3	7.3	7.3	7.3	7.0	6.7	6.7	6.3	6.7	6.7	6.3	6.7	8.3	7.0	6.0	7.3	7.7	3.7	7.7	6.9
CORONADO (PST-RDG)	6.7	8.3	6.7	6.0	7.3	7.7	8.3	7.7	7.7	5.3	5.3	6.0	6.3	6.3	6.0	7.3	8.3	7.3	7.0	6.7	8.0	3.0	8.0	6.8
ISI-AFA	6.7	8.0	6.7	6.3	7.3	7.3	7.0	7.3	8.0	6.7	6.0	6.0	6.3	6.3	6.0	6.7	8.3	6.7	6.0	6.7	6.3	7.3	7.0	6.8
DUSTER (ITR-90-2)	6.3	8.0	7.0	6.3	7.3	7.0	6.7	7.0	7.7	7.3	6.7	6.0	6.3	6.3	6.3	7.0	8.3	6.7	6.0	6.7	7.3	5.0	7.7	6.8
PICK 90-06	5.7	8.0	7.0	6.0	7.0	7.3	8.0	7.7	8.0	5.7	7.0	6.0	6.7	6.3	6.3	7.7	8.7	7.7	6.3	6.0	7.0	2.7	8.0	6.8
PICK 90-10	6.7	7.7	6.7	6.0	7.0	6.7	8.3	7.3	7.3	5.0	6.0	6.0	7.0	7.0	6.0	8.0	8.3	7.0	6.7	5.7	7.0	4.0	7.7	6.7
PICK 90-12	6.3	8.0	7.0	6.0	7.0	7.3	7.7	7.3	7.7	5.7	6.3	6.0	6.7	6.3	6.0	6.7	8.3	6.3	6.3	6.3	6.0	5.7	7.3	6.7
MB-25-92	5.3	8.0	6.3	6.0	7.0	7.7	8.7	7.3	7.7	5.0	5.3	6.0	7.0	7.0	6.0	6.3	8.3	6.3	6.3	6.3	7.3	4.3	7.7	6.7
FALCON II (MB-21-92)	5.3	8.3	6.3	6.7	6.7	7.0	6.7	7.7	7.7	5.7	8.0	6.0	6.0	6.0	6.0	6.3	8.0	7.0	6.0	6.7	5.7	6.3	7.0	6.7
PIXIE	6.3	8.0	6.3	6.3	7.0	6.7	7.3	7.0	7.3	5.3	7.0	6.3	6.7	6.7	6.0	6.3	8.3	5.7	6.0	6.7	6.3	5.0	8.0	6.6
REBEL-3D	5.7	8.0	6.7	5.7	7.0	6.7	7.3	7.0	7.3	6.0	6.3	6.7	6.7	6.7	6.0	6.0	8.3	7.3	6.0	6.0	7.0	4.3	7.3	6.6
ATF-006	6.0	8.0	6.3	6.3	7.0	7.3	8.0	7.0	7.3	7.0	6.3	6.3	6.3	6.0	6.3	6.0	7.3	7.3	6.0	6.0	6.7	3.0	8.0	6.6
PST-5LX	6.3	7.3	6.3	5.7	7.0	7.0	8.3	8.0	7.0	5.0	6.7	6.0	6.3	6.3	6.0	6.3	8.3	7.3	6.3	6.3	6.7	3.7	7.7	6.6
BONSAI PLUS	6.0	7.0	6.7	6.3	7.0	7.0	6.3	7.3	7.3	7.0	7.3	6.0	6.7	6.7	5.7	5.7	7.7	7.3	6.3	7.7	6.0	3.3	7.3	6.6
APACHE II (PST-59D)	5.7	7.7	6.3	6.3	7.0	7.3	8.3	7.0	7.7	5.7	5.3	6.0	6.3	6.0	6.0	6.7	8.0	7.0	6.0	6.0	6.7	4.7	8.0	6.6
ATF-007	5.7	7.3	6.3	6.0	7.3	7.0	6.7	7.3	7.3	6.3	6.7	6.0	6.3	6.7	6.0	6.7	7.7	6.3	6.3	6.3	6.7	4.7	7.7	6.6
MB-22-92	6.0	7.3	6.7	6.0	7.0	6.3	7.0	7.3	7.0	6.7	6.0	6.0	6.7	6.7	6.0	6.0	8.0	6.7	6.0	6.0	6.3	5.7	7.7	6.6
MB-24-92	6.0	7.7	6.3	6.3	7.0	7.3	7.7	7.3	7.3	6.3	5.7	6.0	6.7	6.3	6.0	6.7	7.7	6.7	6.0	6.7	6.3	3.7	7.3	6.6
LANCER	5.0	8.3	6.7	6.0	7.0	6.7	8.3	7.0	7.7	6.3	5.7	6.0	6.3	6.3	5.7	6.3	8.0	6.7	6.0	6.7	6.3	4.7	7.3	6.6
MB-23-92	6.0	7.7	7.0	6.0	7.0	6.7	6.7	7.0	7.3	6.3	7.7	6.0	6.7	6.3	6.3	6.3	7.3	6.0	6.0	6.3	6.0	4.7	7.7	6.6
HOUND OG V (ISI-AFE)	6.7	7.7	6.3	6.0	7.0	7.0	7.0	7.0	7.7	4.7	7.0	6.0	6.3	6.3	6.0	6.3	7.7	5.7	6.0	7.3	6.3	5.3	7.3	6.6
JAGUAR 3 (ZPS-J3)	6.7	7.7	7.0	6.3	7.0	7.7	6.3	7.3	7.0	5.7	7.3	6.0	6.0	5.7	6.0	5.7	7.0	6.0	6.0	7.0	5.3	6.0	8.0	6.6
BAR FA 2AB	6.3	7.3	7.0	5.7	7.3	7.0	7.3	7.7	7.0	7.0	6.0	6.0	6.0	6.0	6.0	5.3	7.3	6.0	6.3	6.7	6.7	4.7	8.0	6.6
BONSAI	6.0	7.3	6.3	6.3	7.3	7.0	6.3	6.7	7.7	5.3	7.3	6.0	6.0	6.3	6.0	7.0	8.3	7.3	6.0	6.3	7.0	3.0	7.7	6.6
TOMAHAWK	6.0	8.0	7.3	6.3	7.0	7.7	7.3	8.0	7.0	4.7	6.7	6.0	6.0	6.0	6.3	6.0	8.0	5.7	6.3	6.7	6.0	4.0	7.3	6.5
EMPEROR II (ZPS-E2)	6.3	7.7	7.0	6.0	7.3	6.3	7.7	7.0	7.3	5.7	5.3	6.0	7.0	6.3	6.0	6.3	8.0	6.7	6.3	6.0	6.0	4.3	7.7	6.5
MICRO DD	6.0	7.3	6.7	6.0	7.0	6.3	7.3	7.3	7.0	5.3	7.3	6.0	6.3	6.3	6.0	6.0	8.0	7.0	6.3	8.0	5.7	2.7	7.7	6.5
PICK CII	5.7	8.0	7.0	6.0	7.3	6.7	7.7	7.0	7.0	6.3	6.7	5.7	6.0	6.0	6.0	5.7	7.3	6.0	6.0	7.0	6.0	4.7	7.3	6.5
VEGAS	5.7	7.7	5.7	6.0	7.0	6.0	7.7	7.0	7.0	6.0	6.7	6.0	6.0	6.0	6.0	6.7	8.3	6.3	6.0	7.0	6.3	4.3	7.7	6.5
PST-5PM	6.3	8.0	6.3	6.0	7.3	6.7	7.0	7.0	6.7	5.7	6.7	6.3	6.7	6.7	5.7	6.7	7.7	6.0	6.0	6.3	6.0	4.0	7.0	6.5
PST-5STB	5.7	8.0	6.7	6.3	7.3	6.7	7.7	7.3	6.7	5.7	5.7	6.0	6.7	6.7	6.0	6.7	6.7	6.3	5.7	7.3	7.0	3.0	7.0	6.5
VIRTUE	6.3	7.7	7.0	6.3	7.0	7.0	6.7	7.7	7.0	5.3	7.3	6.3	6.0	6.0	6.0	6.3	7.3	5.3	6.0	6.7	5.7	4.7	7.0	6.5
PST-5DX W/ENDOPHYTE	5.7	7.0	6.7	6.7	7.0	7.7	7.0	7.3	7.3	4.7	6.0	6.0	6.7	6.3	6.0	6.0	7.7	5.7	6.0	6.7	6.3	4.3	7.0	6.4
403	5.7	7.0	6.7	6.3	6.7	7.0	7.0	7.0	7.0	6.0	7.0	5.7	6.0	6.0	5.7	6.0	7.3	6.7	6.0	8.0	6.7	3.7	6.7	6.4
ADOBE (SFL)	7.0	7.7	6.3	6.3	7.0	6.7	7.3	7.3	7.3	5.0	5.3	6.0	6.7	6.3	5.7	6.0	7.3	6.3	6.0	6.7	6.3	3.3	7.7	6.4
REBEL, JR.	6.3	7.3	7.0	6.3	7.0	6.3	7.0	7.3	7.0	6.3	6.3	6.0	6.0	6.0	6.0	5.7	6.7	5.7	5.7	6.7	6.0	5.3	7.0	6.4
SR 8210	6.3	7.0	6.7	6.3	7.0	6.3	5.7	7.3	6.7	6.0	7.7	6.3	6.3	6.0	6.3	7.7	5.3	6.0	7.0	6.3	3.0	7.3	6.4	
PST-5VC	6.3	7.0	6.0	6.0	7.3	7.0	5.7	7.3	7.3	5.0	6.0	6.0	6.0	6.0	6.3	6.0	7.7	5.7	6.0	6.7	6.7	5.7	7.0	6.4
WXI-208-2	6.0	6.3	6.7	6.0	7.0	6.0	7.0	7.0	7.3	6.0	5.7	6.0	6.0	6.0	6.0	6.0	7.7	6.0	6.0	6.3	6.7	5.3	7.3	6.4
LEPRECHAUN	6.3	7.3	6.3	6.0	7.0	6.7	6.7	7.3	6.7	6.7	7.7	5.7	6.3	6.3	5.3	6.0	7.3	5.7	6.0	6.0	5.3	4.3	7.3	6.4
TRAILBLAZER II	6.0	7.3	6.7	6.3	7.0	7.3	6.7	7.7	7.3	5.3	6.3	6.0	6.0	6.0	6.0	5.0	6.3	6.0	6.0	6.7	6.3	4.7	7.3	6.4
OFI-TF-601	6.3	7.3	7.0	6.3	7.0	7.0	5.0	7.0	7.7	6.0	6.3	5.7	6.3	6.0	5.7	5.7	7.0	4.7	6.0	7.3	6.0	4.0	8.0	6.3
PRO-9178	6.7	7.3	6.7	6.0	7.0	6.7	6.3	7.3	7.0	6.0	5.0	6.0	6.3	6.3	5.7	5.7	8.0	6.0	6.0	6.3	5.7	3.7	7.7	6.3
SILVERADO	6.0	7.0	6.7	5.7	7.0	6.7	6.3	7.0	7.0	5.0	6.7	6.0	6.0	6.0	6.0	5.7	7.7	5.7	6.0	6.7	6.0	5.3	7.0	6.3

TABLE 4. (CONTINUED)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	AL1	AR1	BC1	CA1	CA3	IL1	IL2	KS1	MO2	MO3	MO4	MS1	NE1	NE2	NE3	NJ1	NJ2	PA1	PA2	RI1	SD1	VA1	WA1	MEAN
SR 8200	6.3	6.7	6.7	6.0	7.0	7.3	8.0	7.0	7.0	5.3	6.7	6.0	6.0	6.0	5.3	5.0	6.0	5.3	5.7	7.0	6.3	5.0	7.3	6.3
DUKE	6.0	8.3	6.3	6.0	7.0	6.3	5.7	7.0	7.3	5.7	7.7	6.0	6.0	5.7	5.3	5.0	7.0	5.3	6.0	6.3	6.7	5.3	7.0	6.3
MIRAGE (KWS-DSL)	5.0	7.7	7.0	6.0	7.0	7.0	7.0	7.0	7.3	5.0	6.3	6.0	6.0	6.0	6.0	5.7	7.7	6.7	5.7	6.0	6.0	4.0	7.0	6.3
COCHISE	5.0	7.7	6.3	6.0	7.0	6.0	7.3	7.0	7.3	6.0	7.0	6.0	6.0	6.3	6.0	6.0	7.7	5.7	6.0	6.0	6.0	3.3	7.0	6.3
FA-19	6.0	7.7	6.7	6.3	7.0	7.0	6.3	7.0	7.0	5.3	6.0	6.0	6.0	6.0	5.7	6.3	6.0	6.0	6.0	6.7	6.0	4.3	7.3	6.3
ALAMO (J-1048)	6.0	7.0	6.7	6.0	7.0	7.3	6.3	7.0	7.3	6.0	6.0	6.0	6.3	6.0	5.7	7.0	6.0	5.3	6.0	5.7	4.7	7.0	6.3	6.3
SIU-1	6.0	7.3	6.3	6.0	7.0	6.3	7.0	7.7	6.7	4.7	6.7	6.0	6.3	6.0	6.0	4.3	6.7	5.3	5.7	6.7	6.0	5.3	7.3	6.2
GUARDIAN	6.0	7.3	6.7	6.0	7.0	6.0	6.7	7.0	7.3	4.7	6.7	6.0	6.0	6.0	5.7	5.7	7.3	4.7	6.0	6.3	5.7	5.3	7.0	6.2
CAS-LA20	5.7	6.7	6.3	6.0	7.0	6.7	6.3	7.0	7.7	5.0	6.3	5.7	6.0	6.3	6.0	6.0	7.0	6.0	5.7	6.0	6.0	4.0	7.3	6.2
ISI-CRC	6.3	7.7	6.7	6.0	7.0	6.7	5.7	7.0	7.0	5.7	6.0	5.7	6.0	6.0	6.0	5.7	6.7	5.0	5.7	6.7	6.3	4.0	7.0	6.2
SAFARI	6.7	7.0	7.0	6.0	7.0	6.3	5.0	7.0	6.0	5.7	6.3	5.3	6.3	6.0	5.7	5.7	5.7	5.3	5.7	6.7	6.0	6.0	7.3	6.2
ISI-ATK	5.3	7.3	6.7	6.0	6.7	6.7	4.7	7.0	7.0	6.0	6.7	6.0	6.3	6.3	5.7	6.0	6.3	4.7	5.7	6.3	6.0	5.0	7.0	6.1
AVANTI	6.0	8.0	6.3	6.3	7.3	5.7	6.0	7.0	7.0	5.3	6.7	6.0	6.3	6.3	6.0	4.3	6.7	4.7	5.7	6.3	6.0	3.7	7.3	6.1
BONANZA II	6.3	6.7	6.7	6.3	7.0	7.0	5.7	7.0	6.7	5.3	6.0	5.7	6.3	6.0	6.0	5.0	6.3	5.7	5.7	6.7	6.0	4.3	6.7	6.1
MONTAUK	5.0	7.0	7.0	6.0	7.0	6.3	5.7	7.0	7.3	5.3	6.0	6.0	6.0	6.3	5.3	5.3	7.0	5.0	6.0	6.3	6.0	4.0	8.0	6.1
SHENANDOAH	5.7	6.7	7.0	6.0	6.7	5.3	5.7	7.0	7.0	5.3	7.7	6.0	6.0	6.0	5.7	4.7	6.3	5.0	5.3	7.0	5.3	6.3	7.3	6.1
BAR FA 0855	5.7	6.7	6.3	6.0	7.0	7.3	5.3	7.0	6.7	6.3	8.0	6.0	6.3	5.7	6.0	5.0	6.0	5.0	5.3	6.7	5.0	4.3	6.7	6.1
CAS-MA21	5.7	6.3	7.0	5.7	7.0	6.3	5.3	7.0	7.0	5.0	5.7	6.0	6.0	6.3	6.0	5.0	7.0	6.0	6.0	6.3	5.7	4.3	7.3	6.1
SR 8400	5.7	6.7	6.7	6.0	7.0	6.0	6.0	7.0	7.0	5.7	5.3	6.0	6.0	6.0	5.7	5.3	6.3	5.0	5.3	7.0	5.7	4.7	7.3	6.1
ELDORADO	5.0	7.0	6.0	6.0	7.0	7.3	6.7	7.0	7.0	4.7	6.3	6.0	6.0	6.0	5.3	5.3	6.3	5.0	5.7	7.0	6.0	3.0	7.0	6.0
KITTYHAWK	5.7	6.7	6.0	6.0	7.0	5.7	5.7	6.7	7.0	6.0	7.0	6.0	6.0	6.3	5.3	4.7	5.7	6.0	6.0	7.3	6.0	3.0	6.7	6.0
FINELAWN 88	5.3	7.0	6.3	6.0	6.7	6.3	7.3	6.7	6.7	6.0	5.7	5.7	7.0	6.7	5.3	5.3	6.3	5.0	5.7	6.7	5.7	2.3	6.3	6.0
AZTEC	6.0	8.0	6.3	6.0	7.0	7.7	1.3	7.0	6.7	5.0	5.7	6.0	6.0	6.3	5.7	4.7	6.3	6.0	5.7	6.0	6.0	5.7	7.0	6.0
SR 8300	6.0	6.0	7.0	6.0	6.7	6.3	7.0	7.0	7.0	5.3	5.7	6.0	6.0	6.0	5.3	4.0	6.0	4.7	6.0	6.0	6.0	4.7	6.7	6.0
MONARCH	5.0	6.7	6.7	6.0	6.7	5.7	5.7	7.0	6.7	5.3	5.3	6.0	6.0	6.0	5.0	5.3	7.0	4.7	6.0	7.0	5.7	4.3	7.3	6.0
M-2	5.3	6.3	6.7	5.7	6.7	6.3	5.7	7.0	6.7	5.3	6.3	5.3	6.0	6.0	5.0	5.0	6.3	5.7	5.7	6.3	6.0	4.0	7.3	5.9
AUSTIN	6.3	7.3	6.3	6.0	6.7	6.7	4.7	6.7	6.7	5.3	6.0	6.0	6.0	6.0	5.7	4.3	5.7	4.7	6.0	6.7	5.7	3.7	7.0	5.9
BONANZA	5.7	6.3	7.0	6.0	7.0	5.7	5.3	6.3	6.3	5.3	7.0	6.0	5.7	6.0	5.7	5.0	5.7	4.7	5.0	7.0	5.7	4.3	7.0	5.9
PSTF-LF	6.7	7.0	6.7	6.0	7.0	6.3	6.0	6.7	6.3	4.7	6.0	5.3	6.0	6.0	5.7	4.7	6.3	4.3	5.7	6.7	5.3	3.7	6.7	5.9
PSTF-401	6.0	6.3	6.3	5.7	6.3	6.7	4.3	7.0	7.0	5.0	6.7	6.0	6.0	6.0	5.3	5.0	6.3	4.7	6.0	6.0	5.3	4.3	7.0	5.9
FA-22	5.7	6.3	6.3	6.0	6.7	6.3	6.0	6.7	6.7	4.7	6.0	6.0	6.0	6.0	5.0	4.3	5.7	5.3	5.3	6.3	4.7	4.3	6.7	5.8
PSTF-200	5.3	7.0	6.7	6.0	7.0	6.3	5.3	7.0	5.7	4.3	6.0	6.0	5.7	5.7	5.7	4.7	5.3	5.0	5.7	7.0	5.3	3.3	6.7	5.8
ASTRO 2000	6.0	6.7	6.7	5.7	6.3	5.7	5.0	6.3	6.3	4.7	6.3	6.0	6.0	6.3	5.7	4.3	5.7	4.3	5.0	7.0	5.0	4.0	6.3	5.7
CAFA101	6.0	7.0	6.3	5.7	6.7	5.7	4.7	6.0	6.3	4.7	6.3	5.7	6.0	6.0	5.0	5.0	6.0	4.3	5.0	6.0	4.7	4.7	6.7	5.7
OLYMPIC II	6.3	6.0	6.7	5.7	6.0	6.3	4.0	7.0	6.0	4.3	7.0	5.7	6.3	6.0	5.0	4.3	5.3	4.0	5.7	7.7	4.7	3.7	6.7	5.7
PHOENIX	6.7	6.7	7.0	5.7	6.3	6.3	4.3	6.3	6.3	5.3	6.3	5.7	5.3	5.7	5.0	4.0	5.0	4.3	5.0	6.3	5.7	4.7	6.3	5.7
TITAN 2 (SR 8010)	4.7	6.0	7.0	6.0	6.3	6.0	4.7	6.7	6.0	5.3	6.3	5.0	6.0	6.0	5.3	5.0	6.0	4.3	5.3	6.3	5.3	3.7	6.3	5.6
BAR FA 214	4.7	6.3	6.0	6.3	6.7	5.0	5.3	6.3	6.7	4.7	4.0	5.3	5.3	5.7	5.0	5.0	6.0	5.3	5.7	6.0	6.3	3.7	7.3	5.6
ARID	6.0	5.7	6.7	5.0	6.0	4.3	3.7	6.0	4.7	4.7	6.7	5.3	5.7	6.3	4.7	3.7	4.7	3.3	5.0	6.3	5.0	2.7	6.0	5.1
FALCON	6.0	5.0	7.0	6.0	4.3	5.0	3.7	6.0	5.0	5.7	6.3	5.7	5.0	5.7	4.7	3.3	5.0	3.3	5.0	6.3	4.0	3.3	5.7	5.1
ANTHEM	5.3	5.7	6.7	5.3	5.7	4.3	3.0	5.3	5.0	4.3	5.7	5.0	5.3	5.3	5.0	3.0	3.7	3.7	4.7	6.7	5.0	2.7	6.3	4.9
KY-31 NO ENDO.	6.0	4.7	6.3	4.0	5.3	4.0	2.7	5.0	4.3	4.0	6.3	4.7	5.0	6.3	4.0	2.3	2.7	2.3	4.3	5.7	4.0	1.0	4.7	4.3
KY-31 W/ENDO.	6.3	5.0	6.3	3.7	5.3	4.0	2.7	4.7	5.0	3.0	6.3	4.0	4.3	5.3	4.0	2.3	2.3	2.0	4.3	5.7	4.0	1.3	5.3	4.2
LSD VALUE	1.5	1.1	0.9	0.6	0.8	1.3	1.4	0.7	0.8	1.5	2.0	0.5	0.7	0.8	0.6	0.8	1.0	1.1	0.6	1.0	0.9	1.8	1.2	0.2

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

TABLE 5.

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS
 1993 DATA

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

NAME	IL1	MO4	PA1	MEAN
KY-31 W/ENDO.	7.3	7.3	8.7	7.8
KY-31 NO ENDO.	8.0	6.0	9.0	7.7
ANTHEM	7.0	7.3	8.0	7.4
ARID	7.0	6.0	8.0	7.0
OLYMPIC II	6.7	7.3	6.7	6.9
TITAN 2 (SR 8010)	5.7	6.7	7.3	6.6
BONANZA II	5.7	6.3	7.3	6.4
SAFARI	6.3	6.0	7.0	6.4
ASTRO 2000	5.7	6.3	7.0	6.3
BONANZA	5.7	6.3	7.0	6.3
ISI-AFA	5.3	7.0	6.7	6.3
PSTF-200	5.7	6.3	7.0	6.3
PSTF-LF	5.3	7.0	6.7	6.3
ISI-ATK	5.7	6.0	7.0	6.2
KITTYHAWK	5.3	6.7	6.7	6.2
SIU-1	5.3	6.7	6.7	6.2
MB-23-92	5.0	6.3	7.3	6.2
403	5.7	6.7	6.0	6.1
CAS-MA21	5.0	6.7	6.7	6.1
COCHISE	5.7	6.0	6.7	6.1
PSTF-401	5.7	6.0	6.7	6.1
SHENANDOAH	5.7	6.0	6.7	6.1
SR 8300	4.7	6.7	7.0	6.1
ALAMO (J-1048)	5.0	7.0	6.3	6.1
CAFA101	5.3	6.7	6.3	6.1
FALCON	5.7	5.3	7.3	6.1
FINELAWN 88	5.3	7.0	6.0	6.1
PICK CII	5.0	7.0	6.3	6.1
PST-5VC	5.0	7.0	6.3	6.1
ATF-006	5.0	5.7	7.3	6.0
AUSTIN	6.0	5.7	6.3	6.0
AZTEC	5.3	6.3	6.3	6.0
ELDORADO	5.3	6.0	6.7	6.0
ISI-CRC	5.7	5.0	7.3	6.0
JAGUAR 3 (ZPS-J3)	5.0	5.3	7.7	6.0
M-2	5.7	6.0	6.3	6.0
MB-24-92	5.0	6.0	7.0	6.0
MIRAGE (KWS-DSL)	5.0	6.7	6.3	6.0
PST-5DX W/ENDOPHYTE	5.0	6.0	7.0	6.0
REBEL, JR.	5.3	5.7	7.0	6.0
WXI-208-2	4.7	7.0	6.3	6.0
AVANTI	6.0	6.0	5.7	5.9
BAR FA 0855	5.7	5.7	6.3	5.9
DUKE	5.0	6.0	6.7	5.9
LEPRECHAUN	5.0	6.0	6.7	5.9
MB-22-92	5.0	6.0	6.7	5.9
PHOENIX	5.3	5.7	6.7	5.9

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS
 1993 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	IL1	MO4	PA1	MEAN
TOMAHAWK	5.0	5.7	7.0	5.9
EMPEROR II (ZPS-E2)	5.0	5.7	7.0	5.9
CORONADO (PST-RDG)	5.3	5.3	7.0	5.9
FINELAWN PETITE	5.0	6.3	6.3	5.9
HOUNDOG V (ISI-AFE)	5.3	6.0	6.3	5.9
PST-5PM	5.0	6.3	6.3	5.9
GUARDIAN	5.7	6.0	5.7	5.8
MB-25-92	4.7	5.7	7.0	5.8
PRO-9178	4.7	5.7	7.0	5.8
ATF-007	4.7	6.3	6.3	5.8
OFI-TF-601	5.3	6.3	5.7	5.8
VIRTUE	5.3	5.7	6.3	5.8
COYOTE (ZPS-ML)	4.7	6.3	6.3	5.8
CAS-LA20	5.0	5.7	6.3	5.7
FA-19	5.0	5.3	6.7	5.7
FALCON II (MB-21-92)	5.0	5.3	6.7	5.7
GEN-91	5.0	5.7	6.3	5.7
LANCER	5.3	5.7	6.0	5.7
MONARCH	5.0	6.0	6.0	5.7
PIXIE	4.7	6.0	6.3	5.7
SILVERADO	4.7	6.3	6.0	5.7
VEGAS	5.3	6.3	5.3	5.7
ZPS-VL	5.0	5.3	6.7	5.7
ADOBE (SFL)	5.3	4.7	6.7	5.6
BONSAI PLUS	4.3	6.7	5.7	5.6
FA-22	5.0	5.0	6.7	5.6
LEXUS	5.0	5.7	6.0	5.6
MONTAUK	5.0	5.0	6.7	5.6
PST-5STB	5.0	5.7	6.0	5.6
SR 8200	4.7	5.7	6.3	5.6
SR 8210	5.0	5.7	6.0	5.6
PICK 90-12	5.0	5.3	6.3	5.6
APACHE II (PST-59D)	4.7	4.7	7.0	5.4
TWILIGHT	4.7	6.0	5.7	5.4
DUSTER (ITR-90-2)	5.0	5.3	6.0	5.4
MICRO DD	4.3	6.0	6.0	5.4
SR 8400	4.7	5.3	6.3	5.4
PICK 90-10	5.0	4.3	6.7	5.3
REBEL-3D	5.3	5.7	5.0	5.3
BAR FA 2AB	5.0	5.7	5.0	5.2
PICK 90-06	4.0	5.3	6.3	5.2
TRAILBLAZER II	5.0	4.7	5.7	5.1
BAR FA 214	4.7	5.7	4.7	5.0
BONSAI	4.0	5.0	6.0	5.0
PST-5LX	4.3	5.0	5.7	5.0
LSD VALUE	0.8	1.6	1.1	0.7

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

TABLE 6.

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 1/											MEAN	
	AR1	BC1	CA1	CO1	IL1	MO2	MO3	NE3	PA1	SD1	VA1		WA1
LANCER	7.7	5.7	7.0	7.7	6.7	8.0	6.0	5.0	3.3	6.0	6.3	2.7	6.0
PICK 90-06	9.0	5.7	6.7	8.0	6.0	8.0	6.0	5.0	4.0	5.0	6.0	2.3	6.0
MICRO DD	7.7	5.7	7.0	7.7	5.7	8.0	7.0	5.0	5.0	5.0	5.3	2.3	5.9
BONSAI	8.0	5.7	7.0	6.7	6.7	7.3	7.7	5.0	2.3	5.3	5.0	3.7	5.9
PIXIE	7.7	5.7	6.7	7.0	6.3	7.7	7.0	5.0	3.7	5.3	5.7	2.3	5.8
TITAN 2 (SR 8010)	8.0	5.7	6.0	6.0	6.0	8.3	6.3	5.0	5.3	6.0	5.0	2.0	5.8
MIRAGE (KWS-DSL)	9.0	5.7	7.0	6.7	6.0	8.0	5.3	5.0	3.3	6.0	5.3	2.0	5.8
JAGUAR 3 (ZPS-J3)	7.7	5.7	6.7	6.0	6.7	8.0	6.3	5.0	4.3	4.7	6.0	2.3	5.8
FA-19	7.7	6.0	7.0	6.7	6.7	8.0	5.7	5.0	4.0	5.0	5.3	2.0	5.8
HOUNDOG V (ISI-AFE)	7.7	5.3	6.3	6.7	6.3	8.0	6.7	5.0	3.7	4.7	6.7	2.0	5.8
LEXUS	8.7	5.0	6.3	6.7	6.3	8.0	7.0	5.0	3.0	5.0	6.0	2.0	5.8
PST-5LX	7.0	5.7	6.3	6.7	6.3	7.7	6.3	5.0	5.0	4.3	6.3	2.0	5.7
SIU-1	8.0	5.3	7.0	6.3	6.3	8.0	5.7	5.0	3.3	5.3	6.3	2.0	5.7
EMPEROR II (ZPS-E2)	7.3	5.7	8.0	6.3	6.3	8.0	6.3	5.0	2.7	4.7	6.3	2.0	5.7
GEN-91	7.3	5.0	6.0	7.7	6.0	8.0	6.0	5.0	2.7	5.3	7.3	2.0	5.7
ZPS-VL	7.3	5.7	7.3	5.7	6.0	8.0	6.7	5.0	2.7	5.0	6.0	3.0	5.7
REBEL, JR.	7.0	5.7	6.0	6.3	6.3	8.0	7.7	5.0	3.7	4.7	6.0	2.0	5.7
M-2	7.7	5.7	6.3	5.7	6.3	8.0	6.0	5.0	4.3	5.3	5.7	2.0	5.7
PST-5PM	7.7	5.7	7.0	6.3	6.0	8.0	6.0	5.0	4.3	5.0	5.0	2.0	5.7
BAR FA 214	8.3	5.3	6.7	6.0	7.0	8.0	6.0	5.0	2.7	4.7	6.0	2.3	5.7
FA-22	8.0	5.7	6.7	6.3	6.0	8.3	5.7	4.3	3.3	5.0	6.3	2.0	5.6
KITTYHAWK	8.3	5.0	7.0	5.7	6.0	8.0	7.0	5.0	4.0	5.0	4.7	2.0	5.6
PICK 90-10	8.0	5.3	6.7	6.7	6.3	8.0	6.0	5.0	2.7	5.3	5.7	2.0	5.6
PRO-9178	8.3	5.3	7.0	6.3	6.0	7.7	5.7	5.0	3.7	5.3	5.3	2.0	5.6
ISI-AFA	6.7	5.7	6.0	6.3	5.7	8.0	6.3	4.3	4.7	5.0	6.7	2.0	5.6
MB-22-92	7.0	5.3	6.7	5.3	5.7	8.0	6.3	5.0	4.0	5.0	7.0	2.0	5.6
MB-24-92	7.0	5.0	6.7	6.7	6.3	8.0	6.3	5.0	4.0	4.3	6.0	2.0	5.6
COYOTE (ZPS-ML)	8.7	5.3	6.7	6.0	6.0	8.0	6.0	5.0	2.3	4.7	6.0	2.7	5.6
ISI-ATK	8.3	5.3	6.7	6.3	6.0	7.7	6.0	5.0	3.7	4.7	5.7	2.0	5.6
ADOBE (SFL)	7.7	5.0	7.0	7.0	6.7	8.0	6.3	5.0	2.3	5.0	5.0	2.0	5.6
ATF-006	7.3	5.0	7.0	6.3	6.0	8.0	6.0	5.0	3.3	5.3	5.3	2.3	5.6
AZTEC	7.3	6.0	6.0	6.7	6.3	8.0	5.7	5.0	3.0	5.0	6.0	2.0	5.6
DUSTER (ITR-90-2)	8.0	5.3	6.7	6.0	5.7	7.7	7.0	4.3	3.3	4.0	6.7	2.3	5.6
PSTF-401	7.3	5.0	6.7	6.0	7.0	7.3	6.0	5.0	5.3	4.3	5.0	2.0	5.6
SILVERADO	6.7	5.3	5.7	5.3	6.3	8.0	6.0	5.0	5.0	5.0	6.7	2.0	5.6
BAR FA 2AB	7.7	6.0	6.7	5.0	5.3	8.0	6.7	5.0	4.3	4.0	6.0	2.0	5.6
ATF-007	7.7	5.0	6.3	6.0	6.0	8.0	6.7	5.0	2.7	4.7	6.7	2.0	5.6
TOMAHAWK	7.0	5.0	6.3	6.0	6.3	7.7	6.3	5.0	4.3	4.7	6.0	2.0	5.6
WXI-208-2	7.3	5.3	6.3	6.0	5.3	8.0	6.0	5.0	5.0	4.3	6.0	2.0	5.6
BAR FA 0855	7.3	5.3	6.7	5.7	6.0	8.0	6.3	5.0	4.0	4.3	5.7	2.0	5.5
PST-5DX W/ENDOPHYTE	6.0	5.7	6.7	6.3	5.7	8.0	5.7	5.0	4.3	5.0	6.0	2.0	5.5
PST-5VC	7.7	5.3	6.3	6.3	6.0	8.0	6.3	5.0	2.0	4.7	6.7	2.0	5.5
ISI-CRC	7.3	5.0	6.3	5.7	6.3	7.7	5.7	5.0	4.7	5.0	5.3	2.0	5.5
PICK 90-12	6.7	5.0	6.3	6.3	6.3	7.7	5.3	5.0	4.7	4.7	6.0	2.0	5.5
MB-25-92	7.3	5.3	6.3	5.7	6.3	8.0	5.3	5.0	4.0	4.3	6.0	2.0	5.5
PST-5STB	7.7	5.7	5.7	5.7	5.7	8.0	6.3	5.0	4.0	5.0	5.0	2.0	5.5
BONSAI PLUS	7.0	5.3	6.3	6.0	5.0	8.0	6.0	5.0	6.0	4.7	4.3	2.0	5.5
COCHISE	7.3	5.0	6.3	5.7	5.3	8.0	6.7	5.0	4.3	5.0	5.0	2.0	5.5
LEPRECHAUN	8.3	5.3	5.7	6.3	5.7	7.7	5.7	5.0	3.0	5.3	5.7	2.0	5.5

TABLE 6.
(CONTINUED)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE											MEAN	
	AR1	BC1	CA1	CO1	IL1	MO2	MO3	NE3	PA1	SD1	VA1		WA1
MB-23-92	7.0	5.7	6.3	6.3	6.3	8.0	5.7	5.0	3.0	4.3	6.0	2.0	5.5
MONTAUK	7.7	6.0	5.7	5.3	5.7	8.0	5.7	5.0	4.3	4.7	5.7	2.0	5.5
BONANZA II	6.0	4.7	6.0	6.0	6.0	8.0	6.3	5.0	5.0	5.0	5.3	2.0	5.4
DUKE	6.0	5.7	6.0	5.3	6.3	7.7	6.3	5.0	4.7	4.3	6.0	2.0	5.4
SR 8400	7.0	5.7	6.7	5.7	5.7	8.0	6.0	4.3	4.7	4.7	5.0	2.0	5.4
CAFA101	6.0	5.0	6.7	5.3	5.3	7.0	6.0	5.0	6.3	5.0	5.7	2.0	5.4
PSTF-LF	6.7	5.0	6.3	5.0	6.0	8.0	5.7	5.0	6.3	4.7	5.0	1.7	5.4
CAS-MA21	6.3	5.3	6.3	5.0	6.3	8.0	5.7	5.0	5.0	4.3	5.7	2.0	5.4
CORONADO (PST-RDG)	6.7	5.3	6.3	6.7	5.7	7.7	6.0	5.0	4.0	4.7	5.0	2.0	5.4
FALCON II (MB-21-92)	5.7	5.7	5.7	6.0	6.0	8.0	5.7	5.0	3.7	5.0	6.7	2.0	5.4
FINELAWN PETITE	7.0	5.0	6.3	6.0	6.0	8.0	6.7	4.3	3.0	5.3	5.3	2.0	5.4
OPI-TF-601	7.3	6.0	6.0	5.3	5.7	7.7	6.0	4.3	4.3	4.7	5.7	2.0	5.4
PICK CII	5.7	5.0	6.3	6.0	6.0	8.0	7.0	5.0	4.0	5.0	5.0	1.7	5.4
ELDORADO	6.0	5.0	6.7	5.7	6.7	8.0	6.0	4.3	4.7	4.7	5.0	2.0	5.4
SR 8210	7.0	5.0	6.3	5.3	5.7	8.0	6.3	5.0	4.3	4.7	5.0	2.0	5.4
SR 8300	6.7	6.0	5.3	5.3	5.7	7.7	6.0	5.0	4.0	4.7	6.3	2.0	5.4
VIRTUE	6.0	5.7	6.0	5.7	6.0	7.3	6.0	5.0	4.7	4.0	6.0	2.0	5.4
AUSTIN	6.7	5.0	6.0	5.0	5.7	8.0	6.0	5.0	5.7	4.3	5.0	1.7	5.3
SHENANDOAH	5.7	5.7	5.7	5.7	5.3	7.7	5.7	5.0	5.0	4.3	6.3	2.0	5.3
SR 8200	6.3	5.3	5.7	5.7	6.3	7.3	6.0	5.0	4.7	4.0	5.7	2.0	5.3
APACHE II (PST-59D)	7.7	5.0	6.0	6.0	6.0	7.7	5.3	5.0	3.0	4.3	6.0	1.7	5.3
VEGAS	7.3	5.0	5.7	4.7	5.0	7.7	6.3	4.3	5.3	4.3	6.0	2.0	5.3
GUARDIAN	5.7	5.3	6.3	5.7	6.3	7.7	5.3	5.0	3.7	4.7	6.0	2.0	5.3
CAS-LA20	7.7	5.0	6.3	5.0	6.3	7.7	5.0	5.0	5.0	4.0	4.7	1.7	5.3
FINELAWN 88	6.7	5.0	6.0	5.0	5.7	8.0	6.0	5.0	4.7	5.0	4.3	2.0	5.3
OLYMPIC II	6.0	5.0	6.0	5.7	6.0	7.3	5.7	5.0	4.7	4.7	5.3	2.0	5.3
REBEL-3D	6.0	6.0	6.0	6.0	5.3	7.3	5.3	4.3	5.7	4.3	5.7	1.3	5.3
403	6.3	5.7	6.3	4.7	6.3	7.3	5.3	4.3	6.0	4.3	4.3	2.0	5.3
TRAILBLAZER II	5.7	5.3	5.7	6.3	5.7	8.0	5.7	5.0	4.7	4.3	5.0	1.7	5.3
ARID	5.7	5.7	5.3	6.3	5.7	7.0	5.3	5.0	6.3	4.3	4.3	1.7	5.2
ASTRO 2000	5.7	5.0	6.7	5.7	6.3	7.3	5.0	4.3	6.0	4.3	4.7	1.7	5.2
MONARCH	7.0	5.3	5.7	6.0	6.0	7.3	5.0	4.3	4.3	4.7	5.0	2.0	5.2
PSTF-200	4.7	5.0	5.7	5.3	6.0	7.3	6.3	5.0	5.7	4.3	5.0	2.0	5.2
SAFARI	6.3	5.3	5.7	5.3	6.3	7.7	5.0	3.7	4.7	4.7	6.0	1.7	5.2
AVANTI	6.3	5.0	6.7	6.0	5.3	7.7	6.0	4.3	2.7	4.3	5.7	2.0	5.2
ANTHEM	6.3	4.7	6.3	5.0	6.3	7.7	5.7	3.7	7.0	4.3	3.3	1.0	5.1
ALAMO (J-1048)	6.7	5.3	5.3	5.3	5.7	7.3	5.7	3.7	4.0	5.0	5.0	2.0	5.1
PHOENIX	5.7	5.3	5.3	5.0	5.0	7.3	5.3	3.7	7.7	4.0	4.7	1.3	5.0
TWILIGHT	7.0	5.0	5.3	5.0	5.3	8.0	6.3	4.3	5.7	4.0	2.3	1.3	5.0
BONANZA	6.0	5.0	5.7	5.0	5.0	7.3	5.0	5.0	5.0	4.0	5.0	1.0	4.9
FALCON	6.3	5.0	5.0	5.0	6.0	6.3	4.3	4.3	7.0	4.0	3.7	1.7	4.9
KY-31 NO ENDO.	3.7	4.7	3.7	4.0	4.3	5.0	3.3	3.0	9.0	4.0	2.3	1.3	4.0
KY-31 W/ENDO.	3.7	5.0	3.7	3.7	4.3	4.7	4.3	2.7	8.7	4.0	1.7	1.0	3.9
LSD VALUE	1.6	0.9	1.1	1.2	1.1	0.7	1.5	0.8	1.4	1.0	1.4	0.5	0.3

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

TABLE 7.

SEEDLING VIGOR RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 1/

NAME	AR1	AR2	CA3	CO1	GA1	IL1	KS1	MD1	MO3	MS1	NE3	NJ2	PA1	PA2	RI1	SD1	SK1	TX1	UB1	VA4	WA1	MEAN
KY-31 W/ENDO.	8.7	8.7	9.0	7.0	5.0	7.3	7.3	4.7	7.0	7.7	6.7	9.0	7.7	7.7	6.0	5.3	7.7	6.0	6.7	7.7	6.7	7.1
KY-31 NO ENDO.	8.7	9.0	9.0	7.7	5.3	8.3	8.0	4.3	7.3	7.7	5.7	8.3	8.3	7.0	6.3	4.7	7.0	4.7	6.7	7.3	6.7	7.0
ANTHEM	7.3	8.3	9.0	7.0	4.3	7.0	7.7	3.7	6.3	7.7	5.7	7.7	7.3	6.7	6.0	4.3	7.7	5.3	7.3	7.0	6.3	6.7
ARID	7.0	6.3	8.7	7.0	4.7	7.3	7.3	3.7	4.7	7.0	6.0	7.0	8.7	6.0	6.3	4.0	7.3	6.3	7.3	6.7	6.3	6.5
OLYMPIC II	5.7	5.3	9.0	6.3	4.3	7.3	7.7	3.7	7.7	6.3	5.0	6.3	8.7	4.7	5.3	3.7	7.7	5.7	7.3	6.3	6.0	6.2
TITAN 2 (SR 8010)	6.7	7.7	8.7	7.3	3.0	6.7	5.7	4.0	5.7	6.7	5.0	6.0	7.3	6.0	6.3	3.3	6.3	6.0	7.3	6.3	6.0	6.1
AVANTI	5.3	6.7	9.0	7.0	3.7	6.3	6.7	3.3	6.0	6.3	5.7	6.0	7.7	5.7	5.7	4.3	6.7	5.0	7.0	6.3	5.3	6.0
ASTRO 2000	5.7	6.7	8.3	6.0	3.3	5.7	7.7	3.7	6.7	6.0	5.7	6.3	7.7	5.0	6.0	4.0	7.3	5.7	6.3	6.0	6.0	6.0
GUARDIAN	5.3	6.3	8.7	6.7	3.0	6.0	7.3	3.7	4.3	6.0	5.7	5.3	8.7	5.0	6.3	4.7	7.7	5.0	6.7	6.7	6.3	6.0
PHOENIX	7.0	6.0	8.3	7.3	4.0	4.7	8.0	3.3	7.0	6.0	4.7	6.7	6.3	5.7	6.0	3.7	5.3	6.0	6.0	5.7	6.0	5.9
PSTF-401	6.0	7.0	8.7	5.7	3.3	6.3	7.3	4.3	5.7	6.0	5.0	6.0	7.0	5.3	5.7	4.3	5.0	4.7	7.0	6.3	6.0	5.8
PSTF-200	6.7	6.7	9.0	6.3	3.7	6.3	5.7	3.7	5.3	6.3	5.0	6.0	7.7	5.0	6.0	4.0	5.0	5.7	6.3	6.3	5.7	5.8
REBEL, JR.	5.7	6.3	8.0	6.7	3.0	7.0	5.7	3.7	5.3	6.0	5.3	5.0	8.0	6.3	6.7	3.3	6.0	5.0	6.3	6.3	5.7	5.8
CAFA101	5.7	6.0	8.7	6.7	3.3	5.7	6.7	4.0	6.3	6.3	3.7	6.0	7.3	6.0	5.7	4.3	5.7	4.3	6.0	6.0	6.0	5.7
FALCON	5.7	6.0	8.0	6.0	5.0	5.3	6.3	3.3	6.3	6.3	4.3	6.7	7.0	4.7	5.7	3.3	6.3	5.7	5.7	6.3	5.7	5.7
PSTF-LF	5.0	6.7	8.3	6.0	4.0	5.3	5.7	3.7	6.3	6.0	5.7	5.7	7.0	5.0	5.3	3.7	6.3	4.7	6.7	6.0	5.7	5.7
SHENANDOAH	5.7	6.7	8.0	7.0	3.7	5.7	5.3	3.7	6.0	6.3	5.3	5.3	7.0	5.7	5.0	3.7	5.7	4.7	6.3	6.3	5.3	5.6
SAFARI	5.0	5.7	8.7	6.7	3.7	5.7	7.0	4.0	5.7	6.0	4.3	5.3	6.7	6.3	5.3	3.7	3.3	6.3	6.3	6.7	5.7	5.6
MIRAGE (KWS-DSL)	5.0	5.3	8.3	6.7	4.3	5.7	6.3	3.3	5.7	6.0	4.7	5.0	7.0	5.0	5.3	3.3	7.3	5.3	6.3	6.0	5.7	5.6
OFI-TF-601	4.7	5.0	8.3	7.7	2.7	6.3	6.0	3.7	4.7	6.0	3.7	5.0	7.7	5.3	5.3	3.7	7.0	6.7	6.0	6.3	5.7	5.6
AUSTIN	5.7	5.3	8.7	6.0	4.0	6.7	7.0	3.3	5.3	6.0	4.7	6.0	7.0	4.7	5.0	3.3	6.0	3.7	6.0	6.3	6.3	5.6
PICK CII	4.7	5.3	8.0	6.3	2.7	6.0	6.3	4.0	5.3	6.0	4.3	4.3	7.7	5.7	5.7	2.7	7.0	5.3	7.3	5.7	5.7	5.5
M-2	5.3	6.3	8.7	6.0	3.3	6.3	6.3	3.3	5.0	6.0	4.0	5.3	7.7	5.3	4.7	4.0	5.3	5.3	6.3	5.7	5.7	5.5
SIU-1	4.7	5.7	8.3	5.7	2.7	6.0	6.3	3.7	6.3	6.0	5.0	4.7	7.0	6.3	5.3	3.7	4.3	6.0	6.7	6.3	5.3	5.5
ISI-ATK	6.0	7.7	8.0	6.7	3.7	5.3	5.0	3.7	6.3	6.0	4.3	4.7	6.3	5.0	5.0	3.0	5.3	6.3	6.3	5.7	5.0	5.5
MICRO DD	4.3	5.7	8.0	6.3	3.0	5.7	7.7	3.7	5.3	6.0	4.3	4.3	6.7	4.7	5.0	4.0	5.3	6.3	6.7	6.0	5.7	5.5
403	5.7	7.0	8.0	5.0	3.0	6.7	5.7	3.3	6.0	6.0	4.0	5.0	6.7	4.7	5.7	3.0	6.0	5.0	6.3	5.7	6.0	5.4
FINELAWN 88	4.7	6.0	8.7	7.3	3.0	5.3	6.3	3.7	6.0	6.0	3.7	5.3	7.0	4.7	5.0	2.7	6.0	5.7	6.3	5.7	5.3	5.4
GEN-91	4.3	5.3	8.3	6.0	2.7	5.7	6.0	3.3	5.0	6.0	5.3	4.0	7.7	5.7	6.3	4.0	4.3	5.3	7.0	6.0	6.0	5.4
BONANZA II	5.3	6.7	8.0	6.0	4.3	5.3	6.0	3.3	5.3	6.0	4.3	5.3	6.3	4.3	4.7	4.0	6.3	4.7	6.3	6.0	5.3	5.4
TRAILBLAZER II	4.7	5.0	8.0	6.0	3.3	5.7	5.7	3.3	6.3	6.0	4.3	4.3	7.3	6.0	6.3	3.3	7.3	4.0	6.0	5.3	5.7	5.4
LANCER	4.7	6.3	8.0	6.7	3.0	6.3	6.3	4.0	5.3	6.0	4.0	4.0	7.0	5.0	5.7	3.0	4.0	6.3	6.3	5.7	5.7	5.4
SR 8300	5.7	5.7	8.0	6.7	2.7	6.0	6.0	4.0	5.3	6.0	4.3	5.3	6.7	5.3	5.7	3.3	4.3	4.7	6.3	5.7	5.3	5.4
AZTEC	5.0	5.0	7.7	7.3	3.3	5.3	5.7	3.3	5.3	6.0	4.0	5.3	7.0	4.7	6.0	3.7	5.3	5.0	6.7	5.3	5.7	5.4
KITTYHAWK	5.0	5.3	7.0	6.7	3.3	4.7	6.0	3.3	5.7	6.0	3.7	5.0	7.0	5.3	5.3	3.7	5.7	5.3	6.3	6.0	5.3	5.3
ISI-AFA	4.7	6.0	7.0	6.7	3.0	5.3	6.0	3.7	5.3	5.7	3.7	4.0	6.7	5.0	5.0	4.0	5.7	5.0	7.7	5.7	5.7	5.3
VIRTUE	5.3	5.0	8.3	5.3	2.7	5.0	6.0	3.7	5.0	6.0	4.7	4.7	7.3	5.0	5.0	3.0	6.7	5.0	6.0	6.0	5.7	5.3
SR 8200	5.0	6.3	8.3	6.0	3.0	5.0	5.0	4.0	4.7	6.0	3.7	4.3	7.0	5.7	5.3	3.0	5.3	6.3	5.7	5.3	6.0	5.3
ISI-CRC	5.0	6.3	8.0	5.7	4.0	5.7	4.7	3.3	5.0	5.7	4.0	4.7	6.7	5.7	5.3	3.3	3.7	6.0	6.7	6.0	5.3	5.3
TWILIGHT	6.0	6.3	7.7	6.0	3.0	5.7	6.7	3.7	6.3	6.0	3.0	5.3	6.0	4.3	4.3	3.0	5.3	4.7	6.0	5.7	5.7	5.3
ELDORADO	5.3	4.3	8.3	6.7	3.0	5.7	6.7	3.3	5.0	6.0	3.3	4.3	6.7	5.0	5.0	3.7	5.3	4.7	6.7	5.7	5.7	5.3
HOUNDG V (ISI-AFE)	5.0	5.7	7.7	6.0	2.7	5.0	6.7	3.7	5.3	5.7	4.7	4.0	6.3	5.3	5.0	2.7	5.3	6.0	6.3	5.3	5.7	5.2
FALCON II (MB-21-92)	5.0	5.0	8.3	6.7	3.0	6.0	5.7	3.7	5.0	6.0	4.3	4.3	6.3	5.0	5.3	3.7	5.7	5.0	5.3	5.7	4.7	5.2
COCHISE	5.0	5.7	8.0	6.3	3.0	5.3	5.7	3.7	5.3	6.0	4.0	4.7	6.7	4.7	4.7	3.7	6.0	4.3	6.0	5.7	5.0	5.2
LEPRECHAUN	4.0	4.7	8.0	6.7	2.3	5.3	5.7	3.3	7.0	5.7	5.0	3.3	7.0	5.0	5.7	3.3	5.3	5.3	6.0	5.3	5.3	5.2
PIXIE	5.0	5.7	8.0	6.0	2.7	5.7	4.7	4.0	6.0	6.0	3.7	4.0	7.3	5.0	5.3	3.0	5.3	4.0	6.0	6.0	6.0	5.2
SR 8400	5.0	5.3	7.3	5.7	2.3	5.7	5.7	3.7	5.3	6.0	3.7	5.0	7.0	5.3	5.3	3.3	5.3	5.3	5.7	6.0	5.3	5.2
PST-5DX W/ENDOPHYTE	5.0	6.3	8.3	6.3	3.0	4.7	4.7	3.3	4.7	6.0	4.0	4.3	6.0	5.0	5.3	3.7	7.3	5.0	4.3	6.0	5.7	5.2
BONSAI PLUS	4.7	4.7	8.0	5.7	2.7	5.7	6.0	3.3	6.7	6.0	4.7	5.3	5.7	4.3	5.0	3.0	4.0	5.0	6.0	6.0	6.0	5.2

TABLE 7. (CONTINUED)

SEEDLING VIGOR RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR

NAME	AR1	AR2	CA3	CO1	GA1	IL1	KS1	MD1	MO3	MS1	NE3	NJ2	PA1	PA2	RI1	SD1	SK1	TX1	UB1	VA4	WA1	MEAN
JAGUAR 3 (ZPS-J3)	5.0	5.7	8.7	7.0	3.0	6.0	6.0	3.3	5.3	5.3	4.3	4.3	6.0	4.3	5.0	3.0	4.7	4.7	5.3	5.7	5.3	5.1
SILVERADO	4.0	4.3	7.7	5.7	2.7	5.0	5.7	3.7	5.0	6.0	4.0	4.0	7.3	4.7	5.0	3.3	6.3	6.0	5.7	6.0	6.0	5.1
BAR FA 0855	4.3	5.3	9.0	6.3	3.0	5.3	5.7	3.0	5.3	5.7	5.3	4.7	6.0	5.7	4.0	2.3	4.3	5.3	6.3	6.0	5.0	5.1
MONTAUK	4.7	5.3	7.3	6.7	2.7	5.0	5.3	3.3	5.7	5.7	5.3	5.0	6.0	5.3	5.0	3.3	4.0	5.7	5.7	5.7	5.0	5.1
REBEL-3D	4.0	6.0	8.3	6.3	2.7	5.7	6.0	3.3	5.0	6.0	4.3	4.7	6.3	4.3	5.0	3.3	5.0	5.7	5.3	5.0	5.0	5.1
PST-5STB	4.3	5.7	8.0	6.0	3.3	4.7	6.3	3.3	5.7	6.0	4.3	4.0	6.0	5.3	5.0	2.7	5.0	5.7	5.3	5.3	5.0	5.1
FA-22	5.0	4.7	8.0	6.0	3.0	5.3	5.7	3.7	4.7	6.0	4.3	5.0	6.0	5.0	6.0	4.0	4.0	4.7	5.0	5.7	5.0	5.1
TOMAHAWK	4.0	6.0	8.3	6.3	3.3	4.7	4.7	4.0	6.0	6.0	3.3	4.3	7.0	4.0	5.0	3.3	4.3	6.3	4.7	5.7	5.3	5.1
WXI-208-2	5.0	6.0	8.0	5.7	2.7	5.3	5.0	3.7	4.3	5.7	4.3	4.0	5.7	4.7	5.7	3.0	5.7	6.0	5.0	5.7	5.0	5.0
MB-25-92	4.7	5.3	8.0	6.3	3.0	5.7	5.3	3.7	4.7	5.7	4.3	4.0	5.0	5.0	5.0	3.0	5.3	6.0	6.0	5.0	5.0	5.0
PRO-9178	4.3	5.0	8.3	6.0	2.7	5.0	5.0	3.3	4.7	6.0	4.0	4.0	6.3	5.0	5.3	3.7	5.0	6.0	5.0	6.0	5.3	5.0
DUKE	5.3	4.7	8.7	6.0	3.3	5.0	5.0	3.0	5.7	5.3	3.7	4.0	6.3	4.3	5.3	3.0	5.7	5.3	6.0	5.3	4.7	5.0
MONARCH	5.0	5.0	8.7	6.3	2.7	4.7	5.0	3.3	4.3	6.0	3.3	5.0	6.7	4.7	5.0	3.7	4.7	5.0	5.0	6.0	5.3	5.0
FA-19	4.3	4.7	8.3	6.3	3.0	5.0	5.3	3.3	4.7	6.0	4.3	4.3	5.7	5.0	5.3	3.0	5.0	6.0	4.7	6.0	4.7	5.0
ADOBE (SFL)	4.7	6.0	7.7	5.7	3.3	6.7	5.7	3.0	5.0	6.0	3.7	4.3	6.0	4.0	4.3	3.7	4.3	5.3	5.3	5.3	5.0	5.0
BAR FA 2AB	5.3	5.7	8.0	6.0	2.7	4.7	6.0	3.3	5.3	5.7	4.7	4.0	5.7	4.3	5.3	2.0	4.7	5.0	6.0	5.3	5.0	5.0
VEGAS	4.0	5.0	7.3	5.3	2.7	5.7	6.3	3.0	5.3	5.7	4.3	4.7	6.0	3.7	4.7	2.3	5.3	5.0	6.0	5.7	6.0	5.0
PICK 90-12	4.0	4.7	6.0	5.3	3.3	5.0	5.3	4.0	5.7	6.0	3.7	3.7	6.0	4.7	3.7	2.7	8.0	5.7	6.0	5.3	5.0	4.9
SR 8210	5.3	5.3	8.0	6.0	3.0	5.3	5.0	3.3	5.3	5.7	4.0	4.0	5.7	5.3	5.3	3.0	4.7	4.3	4.7	5.0	5.3	4.9
FINELAWN PETITE	4.0	4.3	7.0	5.7	3.0	5.7	5.3	3.3	6.0	6.0	3.3	3.7	5.7	5.0	5.0	3.3	5.0	5.7	5.7	5.7	4.7	4.9
BONANZA	5.3	5.3	8.7	6.0	3.0	5.3	5.3	3.3	4.3	5.7	3.7	5.0	6.0	4.7	4.7	3.0	3.0	4.7	5.0	5.7	5.0	4.9
MB-23-92	4.0	5.0	7.3	6.0	2.7	4.7	5.0	4.0	5.0	6.0	4.0	4.0	5.3	5.7	5.0	3.3	4.3	5.7	5.3	5.0	5.0	4.9
DUSTER (ITR-90-2)	4.0	5.0	7.0	6.0	2.0	4.7	5.0	3.0	6.3	5.7	3.0	4.0	5.7	5.0	5.0	3.0	6.0	5.0	4.7	6.0	5.3	4.8
PST-5LX	4.0	4.7	7.3	5.7	2.3	4.7	5.3	3.3	4.3	5.7	4.0	4.0	6.0	4.3	5.0	2.7	6.3	4.0	6.0	6.0	5.3	4.8
PST-5PM	3.7	4.7	7.7	6.0	3.0	5.0	5.0	3.3	4.7	5.3	3.3	3.7	6.0	5.0	4.7	3.3	5.7	4.7	5.7	5.0	5.0	4.8
PST-5VC	4.3	4.3	7.7	6.0	3.0	5.0	4.7	3.7	5.0	6.0	4.3	3.3	6.0	5.0	4.3	3.3	4.3	5.0	5.3	5.0	4.7	4.8
ATF-007	4.7	4.7	8.7	5.7	2.7	4.7	5.3	3.7	4.3	5.3	4.0	4.0	5.0	4.3	4.7	3.0	5.0	5.0	4.7	5.7	5.0	4.8
BAR FA 214	3.7	4.7	7.3	5.7	2.7	5.0	5.7	3.3	4.3	5.7	4.0	3.7	6.0	4.7	5.3	2.3	5.0	5.7	6.0	4.7	4.7	4.8
ATF-006	3.7	4.7	7.3	5.7	2.7	5.3	4.7	3.3	6.0	5.3	3.3	4.3	5.7	5.0	5.0	3.3	4.0	4.3	5.7	5.7	5.0	4.8
LEXUS	3.7	4.3	7.3	6.0	2.7	5.0	6.0	3.7	5.0	6.0	4.7	3.3	5.7	4.3	4.7	2.0	5.0	4.0	6.7	5.0	5.0	4.8
CAS-MA21	5.3	4.3	8.0	4.7	3.3	4.7	6.3	3.7	4.7	4.7	3.7	4.0	5.3	4.3	4.0	3.0	5.0	5.3	5.3	5.7	4.7	4.8
EMPEROR II (ZPS-E2)	4.0	4.3	7.7	5.3	2.3	5.3	4.7	3.0	4.7	5.3	3.7	4.0	6.3	4.3	4.3	3.3	5.3	6.3	5.3	4.7	5.0	4.7
COYOTE (ZPS-ML)	4.3	4.3	7.7	5.7	2.3	5.0	4.7	3.3	4.7	5.3	4.0	3.7	5.3	4.3	4.7	3.0	5.0	5.3	5.7	5.0	5.0	4.7
APACHE II (PST-59D)	3.3	5.3	7.0	6.3	2.3	5.0	5.3	3.7	4.7	5.7	3.3	3.7	5.7	4.7	6.3	3.0	3.7	6.0	3.7	4.7	5.0	4.7
ALAMO (J-1048)	4.7	4.0	8.3	5.3	2.7	4.7	5.3	3.3	5.7	5.7	3.7	4.3	5.0	3.7	4.3	3.3	5.3	4.0	4.7	5.3	4.7	4.7
MB-22-92	4.7	4.7	7.3	4.7	3.0	4.0	5.7	3.7	4.3	5.3	4.3	3.7	4.7	4.7	5.0	3.3	5.3	5.3	5.0	5.3	4.0	4.7
PICK 90-10	3.7	4.0	6.3	5.7	2.0	4.3	5.7	3.7	5.0	5.7	3.3	3.7	5.3	4.3	4.3	2.3	6.3	5.7	5.3	4.7	4.3	4.6
ZPS-VL	3.7	4.7	7.3	4.7	2.0	5.0	4.7	3.3	4.7	5.0	4.3	3.3	5.0	4.7	5.3	2.0	5.3	4.3	4.3	5.3	5.7	4.5
CAS-LA20	4.0	4.7	7.0	5.0	2.7	4.0	5.0	3.3	4.0	5.3	4.0	4.0	5.0	4.3	5.0	2.3	4.3	5.0	5.3	5.0	4.0	4.4
CORONADO (PST-RDG)	4.0	4.3	7.0	5.0	3.0	5.3	4.0	3.0	5.0	5.3	4.0	3.7	4.7	4.7	4.3	2.7	4.0	5.0	4.0	4.7	4.7	4.4
PICK 90-06	3.0	4.0	6.7	5.3	2.0	4.0	4.7	3.0	3.7	5.3	3.3	2.3	5.7	3.7	3.7	2.3	4.0	5.0	5.7	4.7	5.0	4.1
MB-24-92	3.3	3.7	6.0	5.7	2.3	4.3	4.7	3.3	4.0	5.7	3.7	2.3	4.0	4.7	4.3	2.3	3.3	5.7	5.3	4.3	4.0	4.1
BONSAI	3.0	3.7	6.7	4.3	2.0	5.3	5.0	2.7	4.0	5.0	3.3	1.3	4.7	5.0	4.3	2.0	5.3	4.0	4.3	5.0	5.3	4.1
LSD VALUE	1.3	1.7	1.4	1.4	0.9	1.2	2.1	0.9	2.1	0.6	2.0	0.9	0.9	1.5	1.2	0.9	1.8	1.9	1.5	0.9	0.8	0.3

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

TABLE 8. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/							MEAN
	AZ1	GA1	MO2	MO3	MO4	NE3	SD1	
GUARDIAN	7.0	5.0	6.7	6.0	7.3	4.7	5.0	6.0
GEN-91	6.0	3.7	7.0	6.7	7.7	5.3	4.7	5.9
PIXIE	7.0	5.0	6.7	7.0	7.7	3.7	4.0	5.9
SR 8300	6.7	4.0	6.3	7.0	8.0	4.3	4.7	5.9
BAR FA 0855	7.0	4.0	6.0	6.7	8.0	5.0	4.0	5.8
FINELAWN PETITE	6.3	4.0	6.7	7.7	8.0	3.7	4.3	5.8
BONANZA II	7.0	4.7	6.0	6.7	6.7	4.3	5.0	5.8
LANCER	7.0	4.0	6.3	6.7	8.0	4.0	4.3	5.8
SR 8200	7.0	5.3	6.0	6.3	8.0	4.0	3.7	5.8
ISI-AFA	7.0	4.7	6.3	7.0	7.0	3.7	4.3	5.7
PST-5DX W/ENDOPHYTE	7.0	4.0	6.0	6.0	8.0	4.7	4.3	5.7
PSTF-401	7.0	4.7	6.0	5.7	8.0	4.0	4.7	5.7
TITAN 2 (SR 8010)	7.0	4.3	6.0	5.7	7.7	4.7	4.7	5.7
ATF-006	7.3	3.7	5.7	7.7	7.0	4.3	4.0	5.7
HOUNDOG V (ISI-AFE)	7.0	4.3	6.7	7.0	7.0	4.3	3.3	5.7
M-2	6.7	4.7	6.0	5.7	7.3	4.3	5.0	5.7
AVANTI	7.0	4.7	6.0	5.7	7.3	4.3	4.7	5.7
FALCON II (MB-21-92)	7.0	4.0	6.0	6.3	7.7	4.0	4.7	5.7
JAGUAR 3 (ZPS-J3)	7.0	4.3	6.0	6.3	7.0	4.3	4.7	5.7
CAFA101	6.7	4.0	5.7	6.3	7.7	4.3	4.7	5.6
KITTYHAWK	7.0	4.0	6.3	5.7	7.7	4.3	4.3	5.6
OPI-TF-601	7.0	3.3	6.0	6.7	8.0	3.7	4.7	5.6
OLYMPIC II	7.0	4.7	5.7	5.3	8.3	4.0	4.3	5.6
PICK 90-12	6.3	4.0	6.7	7.0	7.7	3.7	4.0	5.6
REBEL, JR.	7.0	4.0	6.7	5.7	7.3	4.3	4.3	5.6
SR 8210	6.3	4.7	6.3	6.0	7.7	4.3	4.0	5.6
VIRTUE	7.0	3.3	5.7	7.0	7.7	4.3	4.3	5.6
SIU-1	6.7	4.3	6.0	5.0	8.0	4.7	4.7	5.6
ELDORADO	6.7	4.3	6.0	6.7	8.0	3.0	4.3	5.6
FALCON	7.0	5.7	5.3	5.7	7.7	3.3	4.3	5.6
PSTF-LF	7.0	4.3	5.7	6.0	7.3	4.3	4.3	5.6
SR 8400	7.0	4.3	6.0	6.3	7.3	4.3	3.7	5.6
COCHISE	6.7	4.0	6.7	5.7	7.0	4.3	4.3	5.5
SHENANDOAH	6.7	4.7	6.0	5.7	7.0	4.3	4.3	5.5
ADOBE (SFL)	6.7	4.3	6.3	6.0	7.0	4.7	3.7	5.5
ASTRO 2000	7.0	4.3	6.0	6.0	7.0	4.0	4.3	5.5
MB-22-92	7.0	5.7	5.7	6.3	6.7	3.7	3.7	5.5
ISI-CRC	7.0	5.7	5.3	5.7	7.0	3.7	4.0	5.5
MICRO DD	6.0	4.7	6.3	6.0	6.7	4.3	4.3	5.5
MONPAUK	7.0	3.3	6.0	5.7	8.3	4.0	4.0	5.5
PICK CII	7.0	3.7	6.3	6.0	7.0	4.3	4.0	5.5
PSTF-200	6.7	5.3	5.0	5.7	7.0	4.3	4.3	5.5
SILVERADO	6.3	4.7	6.3	6.0	7.0	3.7	4.3	5.5
ZPS-VL	6.3	3.3	6.7	7.7	7.3	3.7	3.3	5.5
AZTEC	7.3	4.0	5.7	6.0	7.0	3.7	4.7	5.5
FA-19	6.7	4.0	6.0	5.3	7.3	4.3	4.7	5.5
ATF-007	6.7	4.0	6.3	6.7	7.3	3.3	3.7	5.4
BONSAI PLUS	7.0	3.3	6.3	6.0	7.3	4.3	3.7	5.4
MB-23-92	6.3	4.7	6.0	5.3	7.7	4.0	4.0	5.4

TABLE 8. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS
(CONTINUED) 1993 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY							
	AZ1	GA1	MO2	MO3	MO4	NE3	SD1	MEAN
MB-25-92	7.0	4.3	6.3	5.3	6.7	4.3	4.0	5.4
PST-5VC	6.0	5.0	6.3	5.7	7.0	4.3	3.7	5.4
EMPEROR II (ZPS-E2)	6.7	4.0	6.3	6.0	6.7	4.0	4.0	5.4
APACHE II (PST-59D)	7.0	4.0	6.3	7.0	5.7	3.7	4.0	5.4
KY-31 W/ENDO.	6.7	5.3	4.3	4.3	7.0	4.3	5.7	5.4
LEPRECHAUN	7.0	3.3	6.0	6.0	7.7	4.0	3.7	5.4
PRO-9178	6.7	3.7	5.7	6.0	7.0	4.0	4.7	5.4
BONANZA	7.0	4.0	5.7	5.3	7.7	3.7	4.0	5.3
FINELAWN 88	6.7	4.0	6.0	6.3	6.7	3.3	4.3	5.3
ISI-ATK	6.7	5.0	6.0	5.7	6.3	3.7	4.0	5.3
KY-31 NO ENDO.	7.0	6.0	5.0	4.0	6.7	3.7	5.0	5.3
MIRAGE (KWS-DSL)	7.0	4.0	6.0	4.7	7.7	4.0	4.0	5.3
MONARCH	7.0	4.0	6.0	5.0	7.0	4.0	4.3	5.3
PST-5STB	6.7	3.7	6.0	6.0	7.0	4.3	3.7	5.3
TOMAHAWK	6.7	3.7	6.0	6.7	6.3	4.0	4.0	5.3
WXI-208-2	6.0	4.3	6.3	5.7	6.7	4.3	4.0	5.3
COYOTE (ZPS-ML)	6.7	3.7	6.3	5.7	7.0	4.0	4.0	5.3
403	7.0	3.7	6.7	5.0	7.0	4.0	4.0	5.3
ARID	7.0	5.0	5.3	5.0	6.3	4.0	4.7	5.3
LEXUS	6.3	4.0	6.0	6.7	6.7	4.0	3.3	5.3
ANTHEM	7.0	4.0	5.0	5.0	8.0	3.3	4.7	5.3
CORONADO (PST-RDG)	6.0	4.0	6.3	6.0	6.7	4.7	3.3	5.3
DUSTER (ITR-90-2)	6.3	3.3	6.3	7.0	7.0	3.0	4.0	5.3
FA-22	7.0	4.0	5.7	5.3	6.7	4.3	4.0	5.3
PICK 90-10	6.3	3.7	6.3	6.7	7.0	4.0	3.0	5.3
MB-24-92	6.3	4.0	6.3	6.0	7.0	3.7	3.7	5.3
BAR FA 2AB	6.0	3.7	6.3	6.7	6.0	5.0	3.0	5.2
DUKE	6.7	4.7	6.0	5.7	6.7	3.7	3.3	5.2
VEGAS	6.7	4.0	6.0	5.3	7.7	3.7	3.3	5.2
PST-5PM	6.3	4.3	6.0	6.3	6.7	3.0	4.0	5.2
AUSTIN	7.0	4.7	5.3	5.3	6.0	3.7	4.3	5.2
PST-5LX	6.3	3.3	6.0	6.3	6.0	4.3	4.0	5.2
REBEL-3D	6.3	3.3	6.3	5.3	6.7	4.0	4.3	5.2
SAFARI	7.0	4.3	5.3	5.7	5.7	3.7	4.7	5.2
TRAILBLAZER II	7.0	4.0	6.0	5.0	6.3	4.0	4.0	5.2
ALAMO (J-1048)	6.7	3.0	6.0	6.0	6.7	3.3	4.3	5.1
BAR FA 214	7.0	3.7	6.0	5.7	6.3	4.3	3.0	5.1
CAS-MA21	7.0	3.7	5.7	6.0	6.3	4.0	3.3	5.1
PICK 90-06	6.0	3.3	6.7	5.0	8.0	3.7	3.3	5.1
PHOENIX	6.7	4.3	5.7	5.0	5.7	4.0	4.3	5.1
CAS-LA20	6.3	3.0	6.3	5.7	7.0	3.7	3.0	5.0
BONSAI	6.0	3.0	6.0	5.7	7.3	3.7	3.0	5.0
TWILIGHT	7.0	4.0	5.3	5.3	6.7	2.7	3.7	5.0
LSD VALUE	0.8	1.2	0.9	1.8	1.7	1.5	1.0	0.5

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

TABLE 9. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/							MEAN
	AL1	CA1	MO2	MO3	MO4	NE3	SD1	
MB-23-92	3.0	7.0	7.0	5.3	7.3	7.3	6.0	6.1
JAGUAR 3 (ZPS-J3)	2.3	6.3	7.0	5.7	7.7	7.0	6.7	6.1
ZPS-VL	2.3	7.0	7.3	6.0	7.3	7.7	5.0	6.1
FALCON II (MB-21-92)	2.7	6.7	7.3	5.7	7.0	7.3	5.7	6.0
ATF-007	3.0	6.7	7.0	5.7	7.3	7.0	5.3	6.0
LANCER	2.3	6.7	7.0	5.7	6.7	7.3	6.3	6.0
ATF-006	2.0	6.3	7.7	5.7	7.0	6.7	6.3	6.0
PST-5VC	2.7	5.7	7.0	5.0	7.3	7.7	6.3	6.0
LEPRECHAUN	2.7	6.7	7.0	5.3	7.3	6.7	6.0	6.0
MIRAGE (KWS-DSL)	3.0	6.7	7.0	4.3	7.3	7.0	6.3	6.0
SR 8210	2.7	6.3	7.0	5.0	8.0	7.0	5.7	6.0
TITAN 2 (SR 8010)	2.7	6.7	7.0	4.3	7.3	6.3	7.0	5.9
PSTF-LF	2.3	6.7	7.0	5.3	7.3	6.7	6.0	5.9
FA-22	2.0	7.0	7.0	4.7	7.0	7.0	6.3	5.9
PRO-9178	3.0	6.7	7.0	5.0	6.7	6.3	6.3	5.9
GUARDIAN	2.7	6.3	7.0	5.0	7.0	7.0	6.0	5.9
WXI-208-2	2.3	7.0	7.3	5.0	6.3	7.3	5.7	5.9
MB-25-92	2.3	7.0	7.3	5.0	6.3	7.3	5.3	5.8
PICK 90-12	2.3	7.0	7.0	5.0	7.3	6.7	5.3	5.8
ISI-ATK	2.3	7.0	7.3	5.3	7.0	6.0	5.7	5.8
REBEL-3D	2.7	6.3	7.0	4.7	6.7	7.7	5.7	5.8
SR 8300	2.3	6.3	7.0	5.7	6.7	6.7	6.0	5.8
M-2	2.0	6.7	7.0	5.0	6.3	6.3	7.0	5.8
MB-22-92	2.0	6.3	7.0	5.0	6.0	7.7	6.3	5.8
OFI-TF-601	3.0	6.0	7.0	5.0	6.7	6.7	6.0	5.8
OLYMPIC II	2.7	6.3	6.7	4.7	7.3	6.7	6.0	5.8
PST-5DX W/ENDOPHYTE	2.7	6.7	7.3	4.7	6.3	7.0	5.7	5.8
PST-5LX	2.7	6.3	7.0	5.0	6.7	7.3	5.3	5.8
SIU-1	2.3	7.0	7.0	4.7	6.3	7.0	6.0	5.8
FA-19	3.0	6.3	7.0	4.3	6.7	7.0	6.0	5.8
REBEL, JR.	2.7	6.3	7.0	4.7	6.3	7.7	5.7	5.8
MICRO DD	2.7	6.7	7.0	4.7	6.7	7.0	5.3	5.7
PHOENIX	2.7	6.3	6.7	4.7	7.7	6.7	5.3	5.7
403	3.0	6.0	6.7	5.0	6.7	7.0	5.7	5.7
BAR FA 0855	2.3	6.3	7.0	5.3	7.0	7.0	5.0	5.7
CAFA101	2.0	6.3	7.0	4.7	7.0	6.3	6.7	5.7
FINELAWN PETITE	2.3	6.7	7.0	5.3	6.3	6.0	6.3	5.7
HOUNDOG V (ISI-AFE)	2.0	6.3	7.0	5.3	6.3	7.7	5.3	5.7
PIXIE	3.0	6.7	7.0	5.0	6.0	6.3	6.0	5.7
PSTF-200	2.3	6.7	7.0	5.0	7.0	6.7	5.3	5.7
PSTF-401	2.3	6.7	7.0	5.0	7.0	6.7	5.3	5.7
SILVERADO	2.7	6.3	7.0	5.0	6.0	7.3	5.7	5.7
SR 8200	2.7	6.7	6.7	5.7	6.7	6.0	5.7	5.7
VIRTUE	3.0	6.3	7.0	5.0	5.7	7.0	6.0	5.7
MB-24-92	2.7	7.0	7.3	5.3	6.0	7.0	4.7	5.7
APACHE II (PST-59D)	2.7	7.0	6.7	5.3	5.7	7.0	5.3	5.7
BAR FA 2AB	2.3	6.3	7.0	5.3	7.3	7.0	4.3	5.7
BONANZA II	2.3	6.7	7.0	5.3	6.3	6.3	5.7	5.7
GEN-91	2.0	6.0	7.3	5.3	5.3	7.3	6.3	5.7

TABLE 9. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS
(CONTINUED) 1993 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY							
	AL1	CA1	MO2	MO3	MO4	NE3	SD1	MEAN
SAFARI	2.0	7.0	6.7	4.7	5.7	7.0	6.7	5.7
SR 8400	3.0	6.0	7.0	5.0	7.7	5.3	5.7	5.7
COYOTE (ZPS-ML)	2.7	6.7	7.3	5.0	5.7	6.7	5.7	5.7
COCHISE	2.7	6.7	7.0	4.7	6.0	6.7	5.7	5.6
ELDORADO	2.7	6.3	7.0	5.0	6.3	5.7	6.3	5.6
ISI-AFA	2.3	6.7	6.7	5.7	6.3	6.0	5.7	5.6
PICK 90-10	2.3	6.7	7.0	5.0	6.7	6.3	5.3	5.6
PICK CII	2.0	6.3	7.0	4.7	6.0	7.0	6.3	5.6
VEGAS	2.3	6.7	6.7	4.3	7.0	7.0	5.3	5.6
LEXUS	2.3	5.7	7.3	4.7	6.3	7.3	5.7	5.6
ALAMO (J-1048)	2.3	6.0	6.7	5.3	6.3	6.0	6.3	5.6
ASTRO 2000	2.0	7.0	6.7	4.7	6.0	6.7	6.0	5.6
BONANZA	2.3	6.7	6.7	4.3	6.7	6.7	5.7	5.6
BONSAI	2.3	6.7	7.3	4.7	5.3	7.3	5.3	5.6
CORONADO (PST-RDG)	2.7	6.7	7.0	5.3	5.0	7.3	5.0	5.6
DUKE	3.0	6.3	7.0	5.0	6.0	6.3	5.3	5.6
DUSTER (ITR-90-2)	2.7	6.7	7.0	5.7	6.3	5.7	5.0	5.6
KITTYHAWK	2.3	6.7	7.0	5.0	5.7	5.7	6.7	5.6
TOMAHAWK	2.3	6.3	6.7	5.3	6.0	6.3	6.0	5.6
PICK 90-06	3.0	6.3	7.0	4.7	6.3	7.0	4.7	5.6
AUSTIN	2.3	6.7	7.0	4.7	6.7	6.0	5.3	5.5
PST-5STB	2.7	6.3	7.0	4.7	5.7	7.3	5.0	5.5
BONSAI PLUS	2.0	6.3	7.0	4.7	6.3	7.0	5.3	5.5
FINELAWN 88	2.0	6.3	6.3	5.3	6.7	6.7	5.3	5.5
MONTAUK	2.0	5.7	6.7	4.7	6.3	7.7	5.7	5.5
SHENANDOAH	2.0	5.7	7.0	4.3	7.3	6.7	5.7	5.5
EMPEROR II (ZPS-E2)	2.3	6.3	7.0	5.0	5.3	7.0	5.7	5.5
ANTHEM	3.0	6.3	5.7	4.0	6.7	6.3	6.3	5.5
AVANTI	2.0	6.3	7.0	4.0	7.0	6.7	5.3	5.5
AZTEC	2.0	6.0	7.0	4.7	6.7	6.3	5.7	5.5
BAR FA 214	2.3	6.7	6.7	4.3	6.0	7.0	5.3	5.5
ISI-CRC	2.0	5.7	7.0	4.7	6.7	6.7	5.7	5.5
PST-5PM	2.3	5.3	7.0	5.3	6.3	6.7	5.3	5.5
TRAILBLAZER II	2.0	6.0	6.7	5.0	6.3	7.0	5.3	5.5
CAS-LA20	2.0	6.7	7.0	4.7	6.3	6.7	4.7	5.4
MONARCH	2.3	6.0	6.7	5.0	6.0	6.0	6.0	5.4
ADOBE (SFL)	2.0	6.3	7.0	5.0	5.3	6.7	5.7	5.4
CAS-MA21	2.0	6.7	7.0	4.7	5.3	6.3	5.3	5.3
FALCON	2.3	6.7	6.0	4.7	6.3	6.0	5.3	5.3
ARID	2.0	6.7	6.0	4.3	6.0	6.3	6.0	5.3
KY-31 NO ENDO.	2.7	5.7	5.3	3.7	7.3	5.7	6.3	5.2
TWILIGHT	3.3	6.7	6.7	4.3	5.3	5.3	4.3	5.1
KY-31 W/ENDO.	2.0	5.7	5.3	3.3	7.0	6.0	6.3	5.1
LSD VALUE	1.1	1.0	0.6	1.2	1.4	1.6	1.5	0.5

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

TABLE 10.

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/											
	AL1	AZ1	BC1	CA1	GA1	MO2	MO3	MO4	NE3	PA1	SD1	MEAN
PICK 90-12	3.3	9	5.7	7.0	6.3	7.7	7.0	8.0	7.0	7.7	7.0	6.9
JAGUAR 3 (ZPS-J3)	4.0	9	5.3	7.0	6.7	7.3	6.3	6.3	7.3	8.7	7.3	6.8
ISI-AFA	3.7	9	6.0	7.0	6.7	8.0	6.3	6.3	6.3	8.0	7.7	6.8
SR 8200	4.3	9	5.7	7.0	7.0	7.3	6.3	7.7	6.7	6.7	7.3	6.8
ISI-CRC	4.0	9	5.7	7.0	6.7	7.3	5.3	6.3	7.3	8.3	7.3	6.8
BAR FA 0855	3.7	9	6.0	7.0	5.3	7.3	6.0	8.3	7.3	7.0	7.3	6.8
PST-5VC	4.3	9	5.0	7.0	7.0	7.7	5.3	5.0	8.0	8.3	7.7	6.8
SR 8210	3.7	9	5.3	7.0	6.7	7.7	6.0	7.7	6.7	7.3	7.3	6.8
MB-22-92	3.7	9	5.7	7.0	6.3	7.7	6.3	5.3	7.7	7.7	7.7	6.7
MB-23-92	4.3	9	5.7	7.0	6.0	7.7	6.0	5.7	7.7	8.0	7.0	6.7
MICRO DD	4.0	9	6.0	7.0	6.3	7.7	6.3	5.7	7.3	7.3	7.3	6.7
EMPEROR II (ZPS-E2)	3.3	9	5.7	7.0	6.0	8.0	6.7	6.3	7.3	7.3	7.3	6.7
ISI-ATK	3.3	9	5.7	7.0	6.7	7.3	5.3	7.0	6.7	8.0	7.7	6.7
SR 8300	4.0	9	6.0	7.0	6.3	7.0	5.3	5.3	7.3	8.3	8.0	6.7
TITAN 2 (SR 8010)	4.0	9	6.0	7.0	6.0	7.0	5.3	7.0	6.7	8.3	7.3	6.7
HOUNDOG V (ISI-AFE)	4.0	9	5.3	7.0	5.7	8.0	5.7	6.3	7.3	8.3	6.7	6.7
MB-24-92	4.3	9	6.0	7.0	6.0	8.0	6.3	3.3	7.7	8.3	7.3	6.7
APACHE II (PST-59D)	4.0	9	5.0	7.0	6.7	8.0	7.3	3.3	7.0	8.3	7.3	6.6
PST-5DX W/ENDOPHYTE	4.0	9	5.3	7.0	6.0	7.3	6.0	5.7	7.0	7.7	7.7	6.6
PST-5LX	3.7	9	5.7	7.0	6.0	7.0	6.0	5.7	7.7	7.7	7.3	6.6
M-2	3.7	9	6.3	7.0	6.3	7.0	6.3	6.3	6.3	6.0	8.0	6.6
FALCON II (MB-21-92)	4.7	9	5.7	7.0	6.0	7.7	5.7	5.0	7.3	7.3	7.0	6.6
PST-5PM	4.0	9	5.3	7.0	6.3	7.3	5.7	6.7	6.7	7.3	7.0	6.6
PSTF-LF	4.0	9	6.0	7.0	6.7	6.7	6.3	6.0	7.0	6.7	7.0	6.6
WXI-208-2	4.0	9	6.0	7.0	6.7	7.7	6.0	4.0	7.0	7.7	7.3	6.6
GUARDIAN	3.7	9	5.7	7.0	6.0	7.7	5.7	5.0	7.7	6.7	8.0	6.5
COCHISE	4.0	9	6.0	7.0	6.7	7.3	5.7	5.7	7.3	7.0	6.3	6.5
FA-19	3.7	9	5.7	7.0	6.0	7.3	5.3	5.0	7.7	8.0	7.3	6.5
TRAILBLAZER II	3.3	9	5.7	7.0	6.3	7.3	5.3	7.0	7.7	6.0	7.3	6.5
ADOBE (SFL)	4.0	9	5.0	7.0	7.0	7.3	6.3	4.7	7.0	7.0	7.3	6.5
AZTEC	4.0	9	5.7	7.0	5.7	7.7	6.3	4.3	6.7	7.7	7.7	6.5
BAR FA 214	4.0	9	5.7	7.0	5.7	6.7	5.7	6.3	7.3	7.3	7.0	6.5
FINELAWN PETITE	3.0	9	5.7	7.0	5.3	7.3	7.0	5.7	7.0	7.0	7.7	6.5
PSTF-401	3.7	9	6.0	7.0	6.0	7.0	6.0	5.7	7.3	6.7	7.3	6.5
SR 8400	3.7	9	5.7	7.0	6.0	7.3	5.7	6.3	6.3	7.3	7.3	6.5
BONANZA II	3.7	9	5.3	7.0	6.7	7.0	6.0	5.0	6.7	7.0	8.0	6.5
GEN-91	3.7	9	6.0	7.0	4.7	8.0	6.3	3.7	8.0	7.3	7.7	6.5
PIXIE	3.7	9	5.7	7.0	6.3	8.0	6.0	5.0	6.3	7.0	7.3	6.5
SHENANDOAH	4.3	9	6.0	7.0	6.0	7.0	5.3	4.0	7.7	7.3	7.7	6.5
ZPS-VL	3.7	9	5.0	7.0	5.0	8.0	6.7	4.7	7.3	6.7	8.3	6.5
ATF-006	3.7	9	5.3	7.0	5.0	7.3	7.0	4.0	7.3	8.0	7.3	6.5
CORONADO (PST-RDG)	4.3	9	5.0	7.0	6.0	7.3	6.3	5.0	7.0	6.7	7.3	6.5
DUKE	4.3	9	5.3	7.0	7.0	7.0	5.7	3.7	6.3	8.7	7.0	6.5
ELDORADO	4.7	9	5.3	7.0	6.3	7.0	6.0	4.0	6.7	7.0	8.0	6.5
LANCER	3.7	9	5.3	7.0	6.3	7.3	6.3	4.7	8.0	5.7	7.7	6.5
OFI-TF-601	4.3	9	5.3	7.0	5.3	7.3	6.3	5.0	7.0	6.7	7.7	6.5
OLYMPIC II	4.0	9	5.3	7.0	6.0	7.0	4.7	6.3	6.7	7.3	7.7	6.5
PHOENIX	4.0	9	6.3	7.0	6.3	6.3	5.0	6.7	6.3	7.0	7.0	6.5
PICK 90-06	4.0	9	5.7	7.0	5.3	7.3	5.7	5.3	7.7	6.7	7.3	6.5

TABLE 10.
(CONTINUED)

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY											MEAN
	AL1	AZ1	BC1	CA1	GA1	MO2	MO3	MO4	NE3	PA1	SD1	
PRO-9178	4.0	9	5.3	6.7	5.3	7.7	6.3	4.3	7.0	7.7	7.7	6.5
REBEL, JR.	4.3	9	5.7	6.7	6.0	8.0	5.3	3.0	7.7	8.0	7.3	6.5
MB-25-92	4.0	9	5.3	7.0	6.0	8.0	5.3	3.7	7.7	7.7	7.3	6.5
REBEL-3D	4.0	9	6.0	7.0	6.0	7.0	5.7	4.3	7.3	7.0	7.3	6.4
SILVERADO	4.0	9	5.0	7.0	6.3	6.7	6.3	3.3	8.0	7.3	7.7	6.4
BONSAI PLUS	3.3	9	5.7	7.0	6.0	7.0	5.7	5.7	7.3	6.7	7.3	6.4
CAFA101	4.0	9	5.0	7.0	5.7	6.7	5.0	6.7	7.0	6.7	8.0	6.4
ATF-007	4.0	9	5.3	7.0	6.0	7.7	6.3	4.0	7.3	6.7	7.0	6.4
DUSTER (ITR-90-2)	4.3	9	5.7	7.0	4.7	7.7	6.0	5.7	6.3	7.0	7.0	6.4
PSTF-200	3.3	9	5.0	7.0	6.7	7.3	5.7	6.3	6.3	6.3	7.3	6.4
ASTRO 2000	3.3	9	5.3	7.0	5.3	7.0	5.0	7.3	7.0	6.7	7.3	6.4
FINELAWN 88	3.7	9	5.3	7.0	6.3	7.0	6.0	4.7	7.0	7.3	7.0	6.4
MONTAUK	4.0	9	5.7	7.0	5.0	6.7	5.7	5.0	7.3	7.7	7.3	6.4
PICK 90-10	3.7	9	5.3	7.0	4.3	8.0	5.7	5.7	6.7	8.0	7.0	6.4
403	4.0	9	6.0	7.0	5.0	7.3	5.7	5.0	7.3	6.3	7.3	6.4
ALAMO (J-1048)	3.7	9	5.3	7.0	5.7	7.7	6.0	4.3	6.7	7.0	7.7	6.4
MIRAGE (KWS-DSL)	3.3	9	5.7	7.0	6.3	7.3	5.3	4.7	7.3	6.3	7.7	6.4
SIU-1	3.7	9	5.3	7.0	5.7	7.7	5.7	3.7	7.0	7.3	8.0	6.4
VIRTUE	4.3	9	5.7	7.0	4.3	7.3	6.0	4.7	7.3	6.7	7.7	6.4
ARID	4.3	9	5.7	7.0	6.7	5.3	4.3	5.3	7.0	6.7	8.0	6.3
BONSAI	3.3	9	5.7	7.0	5.7	7.3	6.0	5.0	7.3	6.0	7.0	6.3
LEXUS	3.3	9	5.3	7.0	5.7	8.0	6.7	4.0	7.3	6.0	7.0	6.3
FA-22	3.3	9	5.3	7.0	5.7	7.3	5.3	3.3	7.3	8.0	7.3	6.3
AVANTI	3.0	9	5.7	7.0	6.0	7.0	5.7	4.7	7.3	6.3	7.3	6.3
BONANZA	4.0	9	5.3	7.0	5.7	6.3	5.0	5.0	7.3	7.7	6.7	6.3
LEPRECHAUN	3.7	9	5.7	7.0	4.7	7.3	6.7	3.3	7.3	6.7	7.7	6.3
MONARCH	4.0	9	5.3	7.0	5.7	7.0	5.3	4.3	6.7	7.3	7.3	6.3
PST-5STB	4.3	9	5.7	7.0	4.7	7.0	5.3	5.0	7.3	6.7	7.0	6.3
TOMAHAWK	3.7	9	5.3	7.0	6.0	7.0	6.3	4.0	6.7	7.0	7.0	6.3
COYOTE (ZPS-ML)	3.7	9	5.7	7.0	5.7	7.3	6.0	5.0	6.7	5.3	7.3	6.2
BAR FA 2AB	4.3	9	6.0	7.0	4.3	7.0	5.7	4.7	7.3	6.3	6.7	6.2
SAFARI	3.0	9	6.0	7.0	6.3	7.0	5.3	3.3	7.0	6.0	7.7	6.2
CAS-LA20	3.7	9	5.3	7.0	5.3	7.0	5.3	3.7	7.0	7.3	7.0	6.2
KITTYHAWK	3.3	9	5.3	7.0	5.0	6.7	5.0	5.3	6.0	7.7	7.0	6.1
PICK CII	3.3	9	5.3	7.0	4.7	7.0	5.3	4.0	7.0	7.3	7.3	6.1
CAS-MA21	3.3	9	5.3	7.0	5.7	7.3	5.3	3.0	6.3	7.3	7.0	6.1
AUSTIN	3.3	9	5.7	7.0	5.3	6.7	5.7	4.0	6.3	6.3	7.3	6.1
FALCON	3.0	9	5.7	7.0	6.7	5.3	5.0	6.0	5.7	7.0	6.3	6.1
VEGAS	3.3	9	5.3	7.0	5.0	7.0	5.3	4.7	7.0	6.0	6.7	6.0
ANTHEM	4.3	9	5.0	7.0	5.0	6.3	4.7	5.7	6.3	6.3	6.7	6.0
TWILIGHT	4.3	9	5.3	7.0	6.3	6.3	5.3	3.7	6.0	4.0	6.3	5.8
KY-31 NO ENDO.	4.0	9	5.0	6.7	6.3	4.7	4.0	5.3	5.7	5.0	6.7	5.7
KY-31 W/ENDO.	2.7	9	5.3	6.7	6.3	4.7	3.7	5.7	5.3	5.3	7.3	5.6
LSD VALUE	1.0	0	0.9	0.2	1.3	0.7	1.4	2.6	1.2	1.7	1.0	0.4

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

TABLE 11.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

NAME	PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/											MEAN	
	AZ1	MO2	MO3	MO4	NE1	NE2	PA1	PA2	TX1	VA1	VA4		VA8
FALCON	97.7	86.7	93.3	83.3	83.3	83.3	99.0	33.3	25.0	86.7	91.7	94.3	79.8
ARID	91.3	88.3	93.3	83.3	73.3	73.3	96.0	53.3	20.0	95.0	91.7	97.0	79.7
CAFA101	94.0	86.7	93.3	83.3	73.3	73.3	99.0	50.0	18.3	90.0	90.0	95.0	78.9
PIXIE	95.0	88.3	93.3	86.7	80.0	80.0	83.3	43.3	23.3	88.3	86.7	94.7	78.6
SHENANDOAH	92.0	90.0	93.3	80.0	73.3	73.3	93.0	43.3	25.0	91.7	90.0	95.3	78.4
KY-31 W/ENDO.	91.3	88.3	86.7	86.7	73.3	73.3	86.3	56.7	20.0	90.0	90.0	95.7	78.2
ISI-ATK	94.7	85.0	93.0	83.3	76.7	76.7	96.0	40.0	23.3	86.7	86.7	94.7	78.1
SIU-1	90.0	86.7	93.3	90.0	76.7	76.7	99.0	40.0	16.7	88.3	85.0	94.3	78.1
TITAN 2 (SR 8010)	93.3	88.3	93.3	86.7	66.7	66.7	99.0	46.7	18.3	90.0	93.3	94.3	78.1
SR 8210	87.7	86.7	95.0	90.0	76.7	76.7	99.0	43.3	20.0	86.7	83.3	88.3	77.8
KY-31 NO ENDO.	97.0	86.7	91.7	76.7	73.3	73.3	96.0	56.7	6.0	91.7	86.7	96.3	77.7
SR 8400	91.0	88.3	96.3	73.3	73.3	73.3	99.0	36.7	28.3	86.7	90.0	95.3	77.6
OLYMPIC II	87.7	90.0	96.3	83.3	73.3	73.3	86.7	43.3	13.3	93.3	93.3	96.3	77.5
BAR FA 0855	91.0	88.3	93.3	89.7	73.3	73.3	93.0	36.7	16.7	90.0	91.7	91.7	77.4
AVANTI	94.3	88.3	93.3	76.7	70.0	70.0	93.0	40.0	23.3	91.7	93.3	93.0	77.3
REBEL, JR.	92.0	91.7	95.0	76.7	66.7	66.7	99.0	50.0	20.0	85.0	88.3	96.0	77.3
ELDORADO	93.3	85.0	93.3	89.7	70.0	70.0	93.0	43.3	20.0	88.3	90.0	90.0	77.2
GUARDIAN	90.0	90.0	93.3	83.3	70.0	70.0	89.7	46.7	20.0	88.3	90.0	94.3	77.1
GEN-91	86.7	86.7	95.0	80.0	80.0	80.0	96.0	43.3	11.7	90.0	85.0	91.0	77.1
PHOENIX	93.3	88.3	94.7	73.3	76.7	76.7	96.0	46.7	13.3	88.3	88.3	88.3	77.0
FALCON II (MB-21-92)	95.7	86.7	96.3	86.3	70.0	70.0	99.0	33.3	15.0	91.7	88.3	91.7	77.0
DUSTER (ITR-90-2)	89.0	86.7	96.3	83.0	76.7	76.7	96.0	33.3	25.0	90.0	81.7	88.3	76.9
FA-19	91.0	83.3	90.0	83.3	76.7	76.7	99.0	46.7	11.7	86.7	88.3	89.3	76.9
MB-23-92	92.0	85.0	91.7	89.7	73.3	73.3	96.0	36.7	21.7	85.0	85.0	90.0	76.6
ASTRO 2000	95.7	88.3	93.3	89.7	76.7	76.7	70.0	40.0	20.0	86.7	90.0	91.0	76.5
ISI-CRC	95.7	83.3	93.3	73.3	76.7	76.7	89.7	43.3	15.0	90.0	86.7	94.3	76.5
SR 8300	92.3	85.0	94.7	86.7	73.3	73.3	89.7	40.0	6.7	91.7	86.7	97.3	76.4
ISI-AFA	95.3	85.0	96.0	80.0	76.7	76.7	86.7	33.3	20.0	88.3	86.7	90.0	76.2
COYOTE (ZPS-ML)	88.7	88.3	93.3	80.0	76.7	76.7	96.0	30.0	20.0	90.0	83.3	88.3	75.9
SAFARI	93.7	86.7	96.3	76.7	66.7	66.7	93.0	46.7	10.0	90.0	91.7	92.7	75.9
SR 8200	96.3	85.0	95.0	83.0	70.0	70.0	93.0	40.0	12.7	85.0	83.3	96.3	75.8
MONTAUK	86.7	86.7	95.0	86.3	66.7	66.7	96.0	33.3	23.3	86.7	86.7	93.3	75.6
PICK CII	93.0	86.7	91.7	80.0	73.3	73.3	76.7	43.3	18.3	88.3	90.0	92.7	75.6
JAGUAR 3 (ZPS-J3)	93.3	86.7	95.0	76.7	70.0	70.0	96.0	33.3	15.0	85.0	91.7	90.0	75.2
LEPRECHAUN	92.3	88.3	94.3	86.3	80.0	80.0	86.7	23.3	12.7	83.3	83.3	91.7	75.2
PST-5IX W/ENDOPHYTE	92.0	88.3	91.7	83.3	66.7	66.7	99.0	33.3	16.7	85.0	88.3	91.0	75.2
AUSTIN	95.7	86.7	95.0	76.7	66.7	66.7	90.0	36.7	10.0	91.7	91.7	92.7	75.0
COCHISE	91.0	86.7	95.0	80.0	70.0	70.0	99.0	36.7	13.3	80.0	86.7	91.0	74.9
ADOBE (SFL)	92.3	85.0	91.7	83.3	70.0	70.0	90.0	26.7	21.7	86.7	90.0	90.0	74.8
VIRTUE	92.3	88.3	93.3	86.7	66.7	66.7	86.7	40.0	17.7	90.0	80.0	88.3	74.7
VEGAS	90.0	86.7	96.3	80.0	73.3	73.3	80.0	33.3	21.7	88.3	88.3	85.0	74.7
AZTEC	91.0	83.3	93.3	76.7	73.3	73.3	86.7	36.7	25.0	85.0	83.3	88.3	74.7
PST-5VC	83.3	88.3	91.7	76.7	63.3	63.3	96.0	36.7	30.0	86.7	90.0	89.3	74.6
MIRAGE (KWS-DSL)	91.0	90.0	90.0	83.3	63.3	63.3	92.7	30.0	20.0	86.7	90.0	93.3	74.5
DUKE	90.0	85.0	86.7	80.0	70.0	70.0	93.0	33.3	23.3	86.7	85.0	90.0	74.4
CAS-MA21	86.7	86.7	95.0	73.3	70.0	70.0	96.0	33.3	16.7	88.3	83.3	92.7	74.3
HOUNDOG V (ISI-AFE)	93.0	88.3	94.7	83.3	70.0	70.0	89.7	30.0	12.7	83.3	85.0	91.7	74.3
MONARCH	91.0	90.0	88.0	83.3	60.0	60.0	99.0	33.3	18.3	88.3	88.3	91.7	74.3
MICRO DD	89.7	88.3	95.0	86.7	66.7	66.7	70.0	40.0	26.0	86.7	83.3	91.7	74.2

TABLE 11.
(CONTINUED)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS													
NAME	AZ1	MO2	MO3	MO4	NE1	NE2	PA1	PA2	TX1	VA1	VA4	VA8	MEAN
APACHE II (PST-59D)	87.7	86.7	91.7	73.3	76.7	76.7	96.0	36.7	21.7	83.3	71.7	88.3	74.2
FINELAWN PETITE	92.3	85.0	93.3	86.7	70.0	70.0	86.3	36.7	13.3	81.7	83.3	91.7	74.2
M-2	88.0	88.3	95.0	86.7	63.3	63.3	66.7	33.3	30.7	90.0	91.7	93.3	74.2
TOMAHAWK	93.3	85.0	91.7	70.0	63.3	63.3	96.0	36.7	26.7	88.3	85.0	91.0	74.2
PSTF-401	90.3	88.3	93.3	83.3	73.3	73.3	63.3	43.3	16.7	81.7	90.0	92.7	74.1
FA-22	93.0	88.3	90.0	80.0	56.7	56.7	92.7	40.0	21.7	85.0	93.3	91.3	74.1
PSTF-1F	93.3	88.3	90.0	83.3	66.7	66.7	80.0	40.0	15.0	88.3	88.3	88.3	74.0
ATF-007	90.0	86.7	95.0	83.3	70.0	70.0	86.7	26.7	19.3	86.7	81.7	91.0	73.9
PSTF-200	92.0	86.7	93.3	86.7	70.0	70.0	63.3	40.0	11.7	86.7	90.0	95.7	73.8
PRO-9178	91.3	83.3	95.0	76.7	73.3	73.3	80.0	33.3	11.7	83.3	86.7	95.3	73.6
CORONADO (PST-RDG)	77.7	85.0	95.0	80.0	70.0	70.0	96.0	30.0	22.3	85.0	81.7	90.0	73.6
ANTHEM	93.3	90.0	94.3	80.0	63.3	63.3	60.0	43.3	18.3	90.0	91.7	94.3	73.5
CAS-LA20	86.7	85.0	93.0	83.0	73.3	73.3	96.0	20.0	16.7	83.3	83.3	88.3	73.5
OFI-TF-601	92.3	85.0	95.0	76.7	60.0	60.0	93.0	40.0	18.3	86.7	85.0	88.3	73.4
ALAMO (J-1048)	87.7	83.3	91.7	73.3	76.7	76.7	93.0	23.3	14.3	88.3	83.3	88.3	73.3
FINELAWN 88	85.7	86.7	93.3	76.7	63.3	63.3	93.0	33.3	14.3	88.3	90.0	90.0	73.2
EMPEROR II (ZPS-E2)	88.7	88.3	91.7	76.7	70.0	70.0	96.0	30.0	11.7	83.3	85.0	85.0	73.0
TRAILBLAZER II	94.7	83.3	90.0	86.7	73.3	73.3	60.0	36.7	10.0	86.7	86.7	94.3	73.0
ATF-006	89.0	85.0	94.7	83.3	66.7	66.7	70.0	40.0	21.7	85.0	86.7	86.7	72.9
PST-51X	88.7	85.0	91.7	76.7	63.3	63.3	96.0	36.7	18.3	85.0	80.0	90.0	72.9
MB-24-92	87.7	90.0	96.3	80.0	70.0	70.0	89.7	30.0	12.7	86.7	75.0	86.7	72.9
REBEL-3D	90.0	90.0	93.3	76.7	70.0	70.0	70.0	33.3	15.0	85.0	90.0	91.0	72.9
LANCER	95.7	86.7	95.0	86.7	70.0	70.0	60.0	33.3	10.0	85.0	86.7	95.0	72.8
MB-25-92	93.0	88.3	90.0	73.3	66.7	66.7	86.7	33.3	15.0	83.3	85.0	91.7	72.8
KITTYHAWK	93.0	86.7	90.0	83.3	56.7	56.7	83.0	33.3	23.3	85.0	86.7	95.0	72.7
PST-5STB	88.0	85.0	95.0	83.3	60.0	60.0	96.0	23.3	16.7	86.7	90.0	88.3	72.7
PST-5EM	88.0	83.3	91.7	80.0	63.3	63.3	93.0	33.3	21.0	85.0	81.7	88.3	72.7
MB-22-92	96.3	86.7	90.0	66.7	66.7	66.7	93.0	26.7	15.7	85.0	88.3	90.0	72.6
ZPS-VL	88.7	86.7	90.0	80.0	66.7	66.7	96.0	33.3	18.3	88.3	70.0	86.7	72.6
SILVERADO	87.7	90.0	91.7	83.3	66.7	66.7	70.0	36.7	15.0	85.0	85.0	91.7	72.4
BONANZA	91.0	85.0	93.3	73.3	70.0	70.0	93.0	23.3	6.7	86.7	85.0	91.0	72.4
BONANZA II	93.0	90.0	95.0	76.7	70.0	70.0	63.3	30.0	15.0	88.3	86.7	90.0	72.3
PICK 90-12	82.3	88.3	96.3	83.3	66.7	66.7	96.0	23.3	13.3	80.0	83.3	83.3	71.9
BONSAI PLUS	94.3	88.3	90.0	83.3	66.7	66.7	56.7	33.3	26.7	83.3	81.7	91.7	71.9
LEXUS	89.0	85.0	91.7	83.3	70.0	70.0	83.3	26.7	15.0	80.0	80.0	88.3	71.9
BAR FA 2AB	87.7	85.0	91.7	83.3	70.0	70.0	76.7	36.7	12.7	83.3	81.7	83.3	71.8
BAR FA 214	93.3	85.0	91.7	70.0	63.3	63.3	86.3	26.7	13.3	85.0	86.7	91.7	71.4
PICK 90-10	84.7	86.7	93.3	80.0	66.7	66.7	86.3	36.7	15.0	78.3	76.7	85.0	71.3
403	92.3	86.7	91.7	80.0	73.3	73.3	50.0	33.3	10.7	81.7	88.3	93.3	71.2
WXI-208-2	83.3	88.3	88.3	80.0	63.3	63.3	70.0	30.0	15.0	88.3	81.7	92.7	70.4
PICK 90-06	83.3	86.7	95.0	86.7	70.0	70.0	86.7	20.0	7.7	80.0	73.3	78.3	69.8
TWILIGHT	90.0	86.7	93.3	76.7	66.7	66.7	56.7	30.0	15.7	75.0	85.0	91.7	69.5
BONSAI	88.0	83.3	95.0	76.7	70.0	70.0	63.3	16.7	15.0	80.0	63.3	83.3	67.1
LSD VALUE	8.4	5.2	6.0	14.1	15.0	15.0	14.1	13.7	16.5	6.4	8.0	8.5	3.4

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

TABLE 12.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/							
NAME	MO1	MO2	MO3	MO4	NE3	TX1	MEAN
SHENANDOAH	88.3	97.0	96.3	80.0	81.7	75.0	86.4
PIXIE	88.3	98.0	95.0	76.7	78.3	78.3	85.8
BAR FA 0855	83.3	98.0	96.3	83.3	80.0	70.0	85.2
MONTAUK	85.0	97.0	93.3	76.7	85.0	73.3	85.1
PHOENIX	90.0	97.0	96.3	83.3	76.7	66.7	85.0
JAGUAR 3 (ZPS-J3)	78.3	97.0	96.3	83.3	78.3	75.0	84.7
CAFA101	90.0	97.0	93.3	86.7	76.7	63.3	84.5
KY-31 W/ENDO.	88.3	95.0	91.7	83.3	83.3	65.0	84.4
BONSAI PLUS	90.0	98.0	91.7	76.7	80.0	70.0	84.4
MIRAGE (KWS-DSL)	85.0	98.0	93.3	80.0	81.7	68.3	84.4
REBEL, JR.	88.3	98.0	95.0	70.0	85.0	68.3	84.1
SR 8200	86.7	97.0	93.3	80.0	78.3	68.3	83.9
LEPRECHAUN	88.3	97.0	96.0	83.3	83.3	55.0	83.8
OLYMPIC II	91.7	98.0	94.7	80.0	80.0	58.3	83.8
PSTF-200	78.3	98.0	94.7	80.0	81.7	70.0	83.8
ASTRO 2000	88.3	97.0	93.3	76.7	83.3	63.3	83.7
REBEL-3D	85.0	97.0	94.7	76.7	81.7	65.0	83.3
SR 8400	90.0	97.0	94.7	76.7	75.0	66.7	83.3
FA-22	80.0	97.0	91.7	76.7	80.0	73.3	83.1
PSTF-LF	83.3	97.0	91.7	80.0	81.7	65.0	83.1
TITAN 2 (SR 8010)	83.3	97.0	95.0	80.0	76.7	66.7	83.1
TRAILBLAZER II	80.0	97.0	93.3	80.0	81.7	66.7	83.1
PSTF-401	91.7	96.0	95.0	70.0	85.0	60.0	82.9
MICRO DD	81.7	97.0	95.0	80.0	78.3	65.0	82.8
FINELAWN 88	83.3	97.0	94.7	80.0	75.0	66.7	82.8
PST-5PM	90.0	95.0	88.3	73.3	76.7	73.3	82.8
ANTHEM	83.3	95.0	94.7	76.7	81.7	65.0	82.7
WXI-208-2	83.3	98.0	90.0	76.7	76.7	71.7	82.7
COCHISE	80.0	98.0	93.3	80.0	75.0	70.0	82.7
AVANTI	83.3	96.0	91.7	83.3	80.0	61.7	82.7
ISI-ATK	81.7	97.0	96.3	76.7	78.3	65.0	82.5
MB-23-92	75.0	98.0	91.7	76.7	80.0	73.3	82.4
MB-25-92	86.7	98.0	93.3	76.7	81.7	58.3	82.4
ARID	88.3	96.0	93.3	73.3	80.0	63.3	82.4
M-2	83.3	97.0	95.0	73.3	75.0	70.0	82.3
KY-31 NO ENDO.	85.0	95.3	91.3	86.7	78.3	56.7	82.2
ATF-007	90.0	98.0	95.0	73.3	76.7	60.0	82.2
SILVERADO	85.0	98.0	91.7	70.0	78.3	70.0	82.2
SIU-1	85.0	98.0	93.3	73.3	80.0	63.3	82.2
GUARDIAN	71.7	97.0	93.3	76.7	86.7	66.7	82.0
AZTEC	85.0	97.0	95.0	73.3	71.7	70.0	82.0
KITTYHAWK	85.0	95.3	93.3	76.7	73.3	68.3	82.0
CORONADO (PST-RDG)	85.0	96.0	91.7	66.7	80.0	71.7	81.8
ZPS-VL	73.3	96.0	93.3	80.0	81.7	66.7	81.8
BAR FA 214	85.0	96.0	96.3	63.3	76.7	73.3	81.8
MB-22-92	80.0	97.0	96.3	73.3	81.7	61.7	81.7
BONANZA II	81.7	98.0	95.0	73.3	76.7	65.0	81.6
SAFARI	86.7	98.0	94.7	76.7	78.3	55.0	81.6
ATF-006	71.7	96.0	94.7	73.3	73.3	80.0	81.5

TABLE 12.
(CONTINUED)

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS							
NAME	MO1	MO2	MO3	MO4	NE3	TX1	MEAN
SR 8210	73.3	96.0	96.3	86.7	73.3	63.3	81.5
LANCER	71.7	97.0	95.0	76.7	83.3	65.0	81.4
PST-5LX	81.7	95.0	91.7	76.7	76.7	66.7	81.4
OFI-TF-601	81.7	93.3	95.0	70.0	75.0	71.7	81.1
PST-5VC	72.5	96.0	93.0	70.0	78.3	76.7	81.1
MB-24-92	76.7	98.0	95.0	73.3	78.3	65.0	81.1
APACHE II (PST-59D)	80.0	96.0	91.7	70.0	76.7	71.7	81.0
ISI-CRC	80.0	96.0	95.0	70.0	80.0	65.0	81.0
ISI-AFA	73.3	97.0	99.0	73.3	75.0	68.3	81.0
BONANZA	80.0	97.0	94.7	76.7	75.0	61.7	80.8
LEXUS	75.0	93.3	93.3	76.7	78.3	68.3	80.8
PST-5DX W/ENDOPHYTE	80.0	98.0	95.0	73.3	76.7	61.7	80.8
FALCON II (MB-21-92)	73.3	98.0	96.3	76.7	80.0	60.0	80.7
PICK CII	78.3	97.0	93.3	70.0	78.3	66.7	80.6
BAR FA 2AB	75.0	93.3	93.3	76.7	80.0	65.0	80.6
403	80.0	96.0	95.0	76.7	76.7	58.3	80.4
VIRTUE	81.7	96.0	93.3	66.7	83.3	61.7	80.4
PICK 90-12	76.7	96.0	94.7	83.3	71.7	60.0	80.4
DUSTER (ITR-90-2)	78.3	95.3	93.3	76.7	71.7	66.7	80.3
TOMAHAWK	80.0	96.0	95.0	66.7	75.0	68.3	80.2
FALCON	76.7	93.3	93.3	73.3	73.3	70.0	80.0
VEGAS	73.3	95.0	94.7	66.7	75.0	75.0	79.9
GEN-91	80.0	96.0	93.3	66.7	85.0	56.7	79.6
PICK 90-10	75.0	96.0	95.0	76.7	73.3	61.7	79.6
SR 8300	80.0	96.0	93.3	73.3	81.7	53.3	79.6
PRO-9178	80.0	96.0	94.7	70.0	75.0	61.7	79.6
AUSTIN	78.3	97.0	93.3	70.0	78.3	60.0	79.5
FA-19	70.0	95.3	93.3	73.3	80.0	65.0	79.5
PICK 90-06	70.0	96.7	95.0	76.7	75.0	63.3	79.4
MONARCH	76.7	95.0	93.0	73.3	75.0	63.3	79.4
COYOTE (ZPS-ML)	70.0	96.0	91.7	70.0	76.7	71.7	79.3
DUKE	75.0	97.0	91.3	70.0	78.3	63.3	79.2
ALAMO (J-1048)	78.3	97.0	93.3	70.0	75.0	60.0	78.9
HOUNDG V (ISI-AFE)	73.3	98.0	93.3	70.0	81.7	56.7	78.8
FINELAWN PETITE	73.3	94.3	95.0	70.0	75.0	65.0	78.8
BONSAI	76.7	96.0	95.0	63.3	73.3	66.7	78.5
ELDORADO	81.7	92.7	93.3	66.7	73.3	63.3	78.5
CAS-MA21	73.3	97.0	95.0	66.7	73.3	65.0	78.4
CAS-LA20	73.3	95.0	93.0	73.3	73.3	61.7	78.3
TWILIGHT	76.7	97.0	93.3	66.7	70.0	61.7	77.6
PST-5STB	66.7	93.3	93.3	66.7	80.0	63.3	77.2
EMPEROR II (ZPS-E2)	80.0	98.0	88.3	56.7	75.0	61.7	76.6
ADOBE (SFL)	75.0	96.0	91.7	63.3	75.0	51.7	75.4
LSD VALUE	13.8	3.0	5.4	13.2	10.0	13.8	4.4

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

TABLE 13.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/								
NAME	GA1	GA2	MO2	MO3	MO4	TX1	VA8	MEAN
SHENANDOAH	78.3	53.3	97.3	99.0	63.3	78.3	61.7	75.9
SR 8400	80.0	53.3	97.3	99.0	76.7	65.0	58.3	75.7
SR 8200	86.7	46.7	98.0	99.0	83.3	60.0	48.3	74.6
BONSAI PLUS	81.7	58.3	98.0	99.0	66.7	68.3	46.7	74.1
COCHISE	80.0	56.7	98.0	99.0	60.0	65.0	56.7	73.6
ISI-AFA	78.3	50.0	97.7	99.0	73.3	61.7	48.3	72.6
CORONADO (PST-RDG)	76.7	65.0	97.3	99.0	50.0	76.7	41.7	72.3
CAFA101	76.7	38.3	98.0	99.0	80.0	43.3	70.0	72.2
PSTF-401	78.3	50.0	97.3	99.0	73.3	55.0	51.7	72.1
TITAN 2 (SR 8010)	80.0	31.7	97.3	99.0	76.7	61.7	56.7	71.9
JAGUAR 3 (ZPS-J3)	86.7	21.0	98.0	99.0	80.0	61.7	55.0	71.6
ANTHEM	80.0	33.3	97.0	99.0	70.0	61.7	60.0	71.6
ISI-CRC	85.0	33.3	97.3	99.0	73.3	55.0	55.0	71.1
PHOENIX	85.0	43.3	97.3	99.0	76.3	51.7	43.3	70.9
PSTF-LF	81.7	41.7	98.0	99.0	70.0	45.0	60.0	70.8
MIRAGE (KWS-DSL)	81.7	41.7	98.0	99.0	53.3	68.3	53.3	70.8
PICK 90-12	81.7	30.0	98.0	99.0	93.0	53.3	38.3	70.5
ISI-ATK	80.0	20.0	97.3	99.0	73.0	73.3	48.3	70.1
MICRO DD	83.3	32.3	98.0	99.0	66.7	45.0	65.0	69.9
OLYMPIC II	80.0	31.7	98.0	99.0	79.7	28.3	71.7	69.8
FINELAWN PETITE	81.7	51.7	96.7	99.0	66.7	36.7	55.0	69.6
REBEL, JR.	81.7	46.7	98.0	99.0	40.0	61.7	58.3	69.3
BAR FA 0855	71.7	21.7	98.0	99.0	83.0	65.0	46.7	69.3
FINELAWN 88	80.0	51.7	97.7	99.0	46.7	56.7	53.3	69.3
M-2	83.3	18.3	98.0	99.0	66.7	72.3	46.7	69.2
PSTF-200	76.7	40.7	98.0	99.0	73.3	41.7	55.0	69.2
HOUNDOG V (ISI-AFE)	76.7	33.3	98.0	97.7	76.7	45.0	56.7	69.1
TRAILBLAZER II	78.3	23.3	98.0	97.7	70.0	70.0	46.7	69.1
BONANZA	80.0	30.0	97.3	99.0	63.3	63.3	50.0	69.0
BAR FA 214	83.3	22.3	98.0	99.0	63.3	70.0	46.7	69.0
KY-31 W/ENDO.	88.3	35.0	96.0	99.0	66.7	28.3	66.7	68.6
ATF-006	78.3	43.3	97.3	99.0	53.3	73.3	35.0	68.5
COYOTE (ZPS-ML)	78.3	40.0	96.7	99.0	60.0	48.3	55.0	68.2
ASTRO 2000	76.7	43.3	97.3	99.0	80.0	25.0	55.0	68.0
MB-23-92	78.3	4.7	98.0	99.0	73.0	75.7	45.0	67.7
TOMAHAWK	78.3	27.3	98.0	99.0	50.0	73.3	46.7	67.5
ARID	76.7	35.7	97.3	97.7	66.7	46.7	51.7	67.5
SR 8210	83.3	19.0	98.0	99.0	86.3	43.3	43.3	67.5
FALCON	83.3	36.7	96.0	99.0	66.7	25.0	65.0	67.4
OFI-TF-601	68.3	23.3	96.7	99.0	60.0	60.0	63.3	67.2
FALCON II (MB-21-92)	75.0	35.0	98.0	99.0	53.3	55.0	55.0	67.2
BONSAI	80.0	30.7	98.0	99.0	63.3	48.3	50.0	67.0
GUARDIAN	78.3	33.7	98.0	99.0	53.3	50.0	56.7	67.0
SR 8300	76.7	33.3	97.3	99.0	63.3	40.0	58.3	66.9
TWILIGHT	83.3	40.0	98.0	97.7	40.0	61.7	46.7	66.8
APACHE II (PST-59D)	83.3	31.7	97.3	99.0	40.0	65.0	50.0	66.6
PIXIE	83.3	30.0	98.0	99.0	53.3	56.7	45.0	66.5
KY-31 NO ENDO.	81.7	15.0	96.0	99.0	63.3	43.3	65.0	66.2
MB-24-92	76.7	53.3	98.0	99.0	36.7	48.3	50.0	66.0

TABLE 13.
(CONTINUED)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS								
NAME	GA1	GA2	MO2	MO3	MO4	TX1	VA8	MEAN
WXI-208-2	81.7	38.3	98.0	99.0	46.7	48.3	50.0	66.0
PST-5PM	81.7	26.0	98.0	94.3	76.7	48.3	36.7	66.0
LANCER	78.3	23.3	96.7	99.0	60.0	53.3	50.0	65.8
MONARCH	76.7	17.0	98.0	99.0	53.3	60.0	56.7	65.8
AZTEC	78.3	30.0	98.0	99.0	53.3	53.3	48.3	65.8
BONANZA II	81.7	36.7	98.0	99.0	50.0	50.0	43.3	65.5
DUSTER (ITR-90-2)	68.3	21.7	97.3	94.7	70.0	55.0	51.7	65.5
MB-25-92	80.0	33.3	98.0	99.0	43.3	53.3	48.3	65.0
PICK 90-06	73.3	30.0	98.0	99.0	63.3	45.0	46.7	65.0
MONTAUK	71.7	36.7	97.3	97.7	63.3	35.0	53.3	65.0
PICK 90-10	66.7	44.0	98.0	99.0	50.0	48.3	48.3	64.9
PST-5DX W/ENDOPHYTE	78.3	20.0	98.0	99.0	63.3	48.3	46.7	64.8
ALAMO (J-1048)	75.0	20.3	97.3	99.0	50.0	70.0	41.7	64.8
ADOBE (SFL)	85.0	25.0	98.0	94.3	63.3	40.0	46.7	64.6
403	75.0	45.0	98.0	99.0	53.3	28.3	53.3	64.6
REBEL-3D	83.3	28.3	98.0	99.0	46.7	48.3	48.3	64.6
SILVERADO	76.7	48.3	98.0	99.0	33.3	40.0	56.7	64.6
FA-19	80.0	38.3	97.3	99.0	63.3	40.0	31.7	64.2
KITTYHAWK	75.0	20.0	97.3	99.0	66.7	38.3	53.3	64.2
ELDORADO	76.7	23.3	96.7	99.0	50.0	48.3	53.3	63.9
DUKE	81.7	33.3	97.3	97.7	43.3	35.0	58.3	63.8
PST-5STB	66.7	28.7	96.7	99.0	50.0	61.7	41.7	63.5
VEGAS	75.0	18.7	98.0	99.0	56.7	48.3	48.3	63.4
AVANTI	85.0	20.0	97.0	99.0	56.7	39.0	43.3	62.9
LEPRECHAUN	76.7	28.3	98.0	99.0	43.3	40.0	51.7	62.4
SIU-1	76.7	26.7	98.0	99.0	40.0	33.3	63.3	62.4
PST-5VC	80.0	21.0	97.7	92.7	60.0	43.3	40.0	62.1
FA-22	78.3	20.0	98.0	99.0	43.3	60.0	35.0	62.0
PST-5LX	76.7	17.0	97.3	99.0	56.7	41.7	45.0	61.9
PICK CII	73.3	25.0	97.0	96.3	33.3	48.3	60.0	61.9
BAR FA 2AB	65.0	27.7	97.3	91.3	66.7	45.0	40.0	61.9
MB-22-92	80.0	22.3	98.0	97.7	60.0	21.7	53.3	61.9
ATF-007	78.3	30.3	98.0	99.0	50.0	36.7	40.0	61.8
VIRTUE	68.3	0.7	97.3	99.0	53.3	54.0	58.3	61.6
PRO-9178	76.7	13.3	97.3	99.0	46.7	38.3	53.3	60.7
SAFARI	81.7	19.0	98.0	99.0	36.7	36.7	53.3	60.6
AUSTIN	75.0	36.7	98.0	99.0	46.7	23.3	43.3	60.3
CAS-MA21	75.0	17.7	98.0	99.0	33.3	46.7	51.7	60.2
EMPEROR II (ZPS-E2)	83.3	13.3	98.0	92.7	60.0	33.3	31.7	58.9
GEN-91	70.0	16.7	98.0	99.0	46.7	38.3	35.0	57.7
ZPS-VL	70.0	3.3	98.0	99.0	53.3	31.7	46.7	57.4
LEXUS	75.0	3.3	97.3	99.0	46.7	43.3	35.0	57.1
CAS-LA20	63.3	26.7	96.3	92.7	43.3	38.3	35.0	56.5
LSD VALUE	11.8	41.0	1.1	4.3	29.4	33.3	23.5	9.4

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

TABLE 14.

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS
1993 DATAWINTER COLOR RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

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

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

NAME	AZ1	BC1	CO1	MEAN	NAME	AZ1	BC1	CO1	MEAN
OFI-TF-601	8.0	6.0	3.3	5.8	MB-23-92	8.0	5.3	2.7	5.3
TOMAHAWK	8.0	6.3	3.0	5.8	PICK 90-10	8.0	5.3	2.7	5.3
VIRTUE	8.0	6.3	3.0	5.8	PST-5DX W/ENDOPHYTE	8.0	5.3	2.7	5.3
COYOTE (ZPS-ML)	8.0	6.0	3.3	5.8	PST-5STB	7.7	5.3	3.0	5.3
EMPEROR II (ZPS-E2)	8.0	6.0	3.0	5.7	PSTF-LF	8.0	5.3	2.7	5.3
ZPS-VL	8.0	6.0	3.0	5.7	TWILIGHT	8.0	6.0	2.0	5.3
DUKE	8.0	5.7	3.0	5.6	APACHE II (PST-59D)	8.0	5.3	2.3	5.2
DUSTER (ITR-90-2)	8.0	5.7	3.0	5.6	ARID	7.3	5.3	3.0	5.2
JAGUAR 3 (ZPS-J3)	8.0	6.0	2.7	5.6	ATF-007	8.0	5.0	2.7	5.2
PICK CII	8.0	5.7	3.0	5.6	AUSTIN	7.7	5.0	3.0	5.2
REBEL, JR.	8.0	5.7	3.0	5.6	BONANZA	7.7	5.3	2.7	5.2
SHENANDOAH	8.0	5.7	3.0	5.6	FA-19	7.7	5.3	2.7	5.2
ALAMO (J-1048)	8.0	5.3	3.3	5.6	FINELAWN PETITE	8.0	5.3	2.3	5.2
SR 8210	8.0	5.3	3.3	5.6	MB-24-92	8.0	5.3	2.3	5.2
403	8.0	5.7	2.7	5.4	MICRO DD	8.0	5.3	2.3	5.2
AVANTI	7.7	5.7	3.0	5.4	MIRAGE (KWS-DSL)	7.7	5.3	2.7	5.2
BONANZA II	8.0	5.7	2.7	5.4	PICK 90-12	7.7	5.7	2.3	5.2
MONARCH	8.0	5.7	2.7	5.4	PRO-9178	8.0	5.0	2.7	5.2
PHOENIX	7.7	6.0	2.7	5.4	PST-5LX	8.0	5.3	2.3	5.2
PIXIE	8.0	5.7	2.7	5.4	PST-5PM	7.7	5.0	3.0	5.2
FALCON II (MB-21-92)	8.0	5.3	3.0	5.4	PSTF-200	8.0	5.0	2.7	5.2
HOUND OG V (ISI-AFE)	8.0	5.0	3.3	5.4	REBEL-3D	7.7	5.0	3.0	5.2
ISI-CRC	8.0	5.3	3.0	5.4	SR 8300	7.7	5.3	2.7	5.2
LEXUS	8.0	5.3	3.0	5.4	TITAN 2 (SR 8010)	7.7	5.3	2.7	5.2
MB-25-92	8.0	5.3	3.0	5.4	TRAILBLAZER II	8.0	5.3	2.3	5.2
MONTAUK	8.0	5.3	3.0	5.4	WXI-208-2	7.7	5.3	2.7	5.2
SAFARI	8.0	5.3	3.0	5.4	ANTHEM	7.0	5.7	2.7	5.1
SIU-1	8.0	5.3	3.0	5.4	ATF-006	8.0	4.7	2.7	5.1
SR 8200	8.0	5.3	3.0	5.4	BONSAI	7.7	5.0	2.7	5.1
SR 8400	7.7	5.3	3.3	5.4	CAS-LA20	8.0	5.0	2.3	5.1
ADOBE (SFL)	8.0	5.3	2.7	5.3	CAS-MA21	8.0	5.0	2.3	5.1
AZTEC	8.0	5.0	3.0	5.3	KITTYHAWK	7.7	5.0	2.7	5.1
BAR FA 0855	8.0	5.0	3.0	5.3	LEPRECHAUN	8.0	5.0	2.3	5.1
BAR FA 2AB	7.7	5.3	3.0	5.3	OLYMPIC II	7.7	4.7	3.0	5.1
BONSAI PLUS	8.0	5.0	3.0	5.3	PICK 90-06	7.7	5.3	2.3	5.1
COCHISE	8.0	5.3	2.7	5.3	PST-5VC	7.7	5.3	2.3	5.1
CORONADO (PST-RDG)	7.7	5.0	3.3	5.3	SILVERADO	8.0	4.7	2.7	5.1
ELDORADO	7.7	5.3	3.0	5.3	VEGAS	7.7	5.0	2.7	5.1
FA-22	7.7	5.3	3.0	5.3	ASTRO 2000	7.3	5.3	2.7	5.1
FINELAWN 88	7.7	5.3	3.0	5.3	CAFA101	7.3	5.3	2.7	5.1
GEN-91	8.0	5.0	3.0	5.3	FALCON	7.0	5.3	2.7	5.0
GUARDIAN	8.0	5.3	2.7	5.3	PSTF-401	7.3	5.0	2.7	5.0
ISI-AFA	8.0	5.3	2.7	5.3	BAR FA 214	7.3	4.7	2.7	4.9
ISI-ATK	8.0	5.0	3.0	5.3	KY-31 W/ENDO.	7.0	5.0	2.7	4.9
LANCER	8.0	5.7	2.3	5.3	KY-31 NO ENDO.	6.7	5.0	2.7	4.8
M-2	7.7	5.7	2.7	5.3					
MB-22-92	8.0	5.7	2.3	5.3	LSD VALUE	0.5	0.8	0.8	0.4

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

TABLE 15.

FUSARIUM PATCH RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE 1/

NAME	PA1	MEAN
ALAMO (J-1048)	8.0	8.0
ARID	8.0	8.0
BONANZA	8.0	8.0
CORONADO (PST-RDG)	8.0	8.0
DUSTER (ITR-90-2)	8.0	8.0
ISI-AFA	8.0	8.0
ISI-CRC	8.0	8.0
JAGUAR 3 (ZPS-J3)	8.0	8.0
MB-23-92	8.0	8.0
PST-5DX W/ENDOPHYTE	8.0	8.0
PST-5VC	8.0	8.0
SR 8400	8.0	8.0
TOMAHAWK	8.0	8.0
COYOTE (ZPS-ML)	8.0	8.0
ADOBE (SFL)	7.7	7.7
APACHE II (PST-59D)	7.7	7.7
AVANTI	7.7	7.7
CAS-LA20	7.7	7.7
CAS-MA21	7.7	7.7
COCHISE	7.7	7.7
ELDORADO	7.7	7.7
FA-19	7.7	7.7
FA-22	7.7	7.7
FALCON	7.7	7.7
FALCON II (MB-21-92)	7.7	7.7
GEN-91	7.7	7.7
GUARDIAN	7.7	7.7
ISI-ATK	7.7	7.7
KY-31 NO ENDO.	7.7	7.7
KY-31 W/ENDO.	7.7	7.7
MB-22-92	7.7	7.7
MB-24-92	7.7	7.7
MONTAUK	7.7	7.7
PICK 90-06	7.7	7.7
PICK 90-10	7.7	7.7
PICK 90-12	7.7	7.7
PIXIE	7.7	7.7
PST-5STB	7.7	7.7
SIU-1	7.7	7.7
SR 8200	7.7	7.7
SR 8300	7.7	7.7
TITAN 2 (SR 8010)	7.7	7.7
EMPEROR II (ZPS-E2)	7.7	7.7
ZPS-VL	7.7	7.7
BAR FA 0855	7.3	7.3
CAFA101	7.3	7.3
DUKE	7.3	7.3

FUSARIUM PATCH RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE

NAME	PA1	MEAN
FINELAWN 88	7.3	7.3
HOUNDOG V (ISI-AFE)	7.3	7.3
LEPRECHAUN	7.3	7.3
MB-25-92	7.3	7.3
MONARCH	7.3	7.3
OLYMPIC II	7.3	7.3
PHOENIX	7.3	7.3
PRO-9178	7.3	7.3
PST-5LX	7.3	7.3
REBEL, JR.	7.3	7.3
SAFARI	7.3	7.3
SHENANDOAH	7.3	7.3
SR 8210	7.3	7.3
VIRTUE	7.3	7.3
ANTHEM	7.0	7.0
KITTYHAWK	7.0	7.0
MIRAGE (KWS-DSL)	7.0	7.0
OFI-TF-601	7.0	7.0
PST-5PM	7.0	7.0
PSTF-LF	7.0	7.0
ATF-006	6.7	6.7
ATF-007	6.7	6.7
AZTEC	6.7	6.7
BONANZA II	6.7	6.7
BONSAI	6.7	6.7
FINELAWN PETITE	6.7	6.7
PICK CII	6.7	6.7
PSTF-200	6.7	6.7
ASTRO 2000	6.3	6.3
AUSTIN	6.3	6.3
M-2	6.3	6.3
MICRO DD	6.3	6.3
LEXUS	6.0	6.0
PSTF-401	6.0	6.0
WXI-208-2	6.0	6.0
SILVERADO	5.7	5.7
TWILIGHT	5.7	5.7
403	5.0	5.0
LANCER	5.0	5.0
TRAILBLAZER II	5.0	5.0
BONSAI PLUS	4.7	4.7
VEGAS	4.7	4.7
REBEL-3D	4.3	4.3
BAR FA 2AB	4.0	4.0
BAR FA 214	3.7	3.7
LSD VALUE	1.2	1.2

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

TABLE 16.

NET BLOTCH RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE 1/

NAME	NJ2	MEAN
LEXUS	8.3	8.3
CORONADO (PST-RDG)	7.7	7.7
PST-5VC	7.7	7.7
DUSTER (ITR-90-2)	7.3	7.3
ELDORADO	7.3	7.3
PIXIE	7.3	7.3
COYOTE (ZPS-ML)	7.3	7.3
ZPS-VL	7.3	7.3
APACHE II (PST-59D)	7.0	7.0
JAGUAR 3 (ZPS-J3)	7.0	7.0
MICRO DD	7.0	7.0
PST-5STB	7.0	7.0
REBEL-3D	7.0	7.0
ISI-AFA	6.7	6.7
MONTAUK	6.7	6.7
PST-5DX W/ENDOPHYTE	6.7	6.7
PST-5PM	6.7	6.7
SILVERADO	6.7	6.7
TOMAHAWK	6.7	6.7
ATF-007	6.3	6.3
FALCON II (MB-21-92)	6.3	6.3
FINELAWN PETITE	6.3	6.3
GEN-91	6.3	6.3
HOUNDOG V (ISI-AFE)	6.3	6.3
SAFARI	6.3	6.3
BAR FA 214	6.0	6.0
BONANZA	6.0	6.0
DUKE	6.0	6.0
FA-19	6.0	6.0
LANCER	6.0	6.0
MB-25-92	6.0	6.0
PICK 90-10	6.0	6.0
BONSAI	5.7	5.7
MB-24-92	5.7	5.7
PRO-9178	5.7	5.7
SR 8210	5.7	5.7
VEGAS	5.7	5.7
WXI-208-2	5.7	5.7
EMPEROR II (ZPS-E2)	5.7	5.7
AUSTIN	5.3	5.3
BAR FA 0855	5.3	5.3
CAFA101	5.3	5.3
CAS-LA20	5.3	5.3
LEPRECHAUN	5.3	5.3
M-2	5.3	5.3
MB-22-92	5.3	5.3
MB-23-92	5.3	5.3

NET BLOTCH RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE

NAME	NJ2	MEAN
OLYMPIC II	5.3	5.3
PICK 90-06	5.3	5.3
PICK 90-12	5.3	5.3
PICK CII	5.3	5.3
PST-5LX	5.3	5.3
SR 8400	5.3	5.3
ADOBE (SFL)	5.0	5.0
BONSAI PLUS	5.0	5.0
CAS-MA21	5.0	5.0
FALCON	5.0	5.0
MONARCH	5.0	5.0
OFT-TF-601	5.0	5.0
PHOENIX	5.0	5.0
PSTF-200	5.0	5.0
TRAILBLAZER II	5.0	5.0
ALAMO (J-1048)	4.7	4.7
COCHISE	4.7	4.7
FINELAWN 88	4.7	4.7
GUARDIAN	4.7	4.7
ISI-ATK	4.3	4.3
PSTF-401	4.3	4.3
PSTF-LF	4.3	4.3
REBEL, JR.	4.3	4.3
VIRTUE	4.3	4.3
403	4.0	4.0
ASTRO 2000	4.0	4.0
AVANTI	4.0	4.0
BAR FA 2AB	4.0	4.0
ISI-CRC	4.0	4.0
KITTYHAWK	4.0	4.0
SR 8200	4.0	4.0
TITAN 2 (SR 8010)	4.0	4.0
ANTHEM	3.7	3.7
ARID	3.7	3.7
SHENANDOAH	3.7	3.7
SR 8300	3.7	3.7
TWILIGHT	3.7	3.7
ATF-006	3.3	3.3
BONANZA II	3.3	3.3
FA-22	3.3	3.3
KY-31 NO ENDO.	3.3	3.3
KY-31 W/ENDO.	2.3	2.3
AZTEC	2.0	2.0
MIRAGE (KWS-DSL)	2.0	2.0
SIU-1	2.0	2.0
LSD VALUE	1.6	1.6

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

TABLE 17. BROWN PATCH RATINGS OF TALL BEESCUE CULTIVARS
1993 DATA

NAME	BROWN PATCH RATINGS 1-9; 9=NO DISEASE 1/							
	AR1	AR2	AZ1	IL2	KS1	VA1	VA8	MEAN
JAGUAR 3 (ZPS-J3)	8.3	8.3	9.0	8.0	7.0	6.7	5.7	7.6
BAR FA 0855	6.3	8.0	8.0	8.3	8.0	6.3	6.0	7.3
BONANZA II	8.0	9.0	8.0	7.7	6.3	7.3	4.3	7.2
LEXUS	7.7	8.0	9.0	6.7	7.3	7.0	4.0	7.1
SIU-1	8.0	7.7	7.3	8.3	7.3	6.7	4.3	7.1
VEGAS	6.7	7.7	9.0	7.3	7.7	6.7	4.3	7.0
GUARDIAN	7.7	8.3	9.0	8.0	6.0	5.3	4.7	7.0
M-2	7.3	8.0	9.0	8.3	7.0	5.3	4.0	7.0
SAFARI	7.7	8.3	9.0	7.3	7.0	6.0	3.3	7.0
AVANTI	7.7	8.7	8.0	8.7	7.3	5.0	3.0	6.9
BAR FA 2AB	7.3	8.7	8.0	6.0	7.7	6.3	4.0	6.9
GEN-91	7.3	7.3	9.0	8.0	7.0	6.3	3.0	6.9
EMPEROR II (ZPS-E2)	5.7	7.3	9.0	8.3	6.0	6.0	5.3	6.8
ISI-CRC	6.0	8.7	8.0	7.7	7.3	6.7	3.3	6.8
KY-31 NO ENDO.	6.7	8.7	9.0	7.3	7.0	5.3	3.3	6.8
PIXIE	6.7	8.7	9.0	7.3	7.3	7.0	1.3	6.8
CAFA101	6.7	8.0	9.0	7.7	7.0	6.0	2.7	6.7
AUSTIN	6.3	7.3	9.0	8.0	6.3	6.3	3.3	6.7
ALAMO (J-1048)	7.0	6.3	9.0	8.7	6.7	6.3	2.7	6.7
ARID	7.3	7.7	8.0	8.7	5.7	6.3	3.0	6.7
MB-25-92	6.3	7.7	9.0	7.0	8.0	6.0	2.7	6.7
FINELAWN PETITE	6.7	9.0	8.0	6.0	7.0	5.3	4.3	6.6
ASTRO 2000	6.7	7.0	8.0	8.0	7.7	5.7	3.3	6.6
AZTEC	7.3	8.3	7.0	7.7	6.7	6.0	3.3	6.6
FALCON II (MB-21-92)	8.0	7.3	9.0	5.0	6.7	7.3	3.0	6.6
ISI-AFA	8.7	8.3	7.3	6.0	6.7	5.7	3.7	6.6
PHOENIX	7.0	8.3	7.3	7.0	8.0	6.0	2.3	6.6
ATF-006	7.7	7.0	7.3	6.0	7.3	6.7	4.0	6.6
SR 8400	7.7	8.7	6.3	9.0	6.7	6.3	1.3	6.6
TOMAHAWK	6.3	7.0	9.0	6.3	7.0	6.0	4.3	6.6
MIRAGE (KWS-DSL)	7.3	8.3	9.0	6.0	7.7	5.3	2.0	6.5
PSTF-LF	6.3	8.3	8.0	7.3	6.3	6.0	3.3	6.5
WXI-208-2	6.7	8.0	8.0	8.0	5.3	7.0	2.7	6.5
FINELAWN 88	7.0	7.7	8.0	7.0	7.3	6.3	2.0	6.5
PST-5LX	5.3	7.3	9.0	9.0	7.7	6.0	1.0	6.5
TITAN 2 (SR 8010)	6.0	8.7	9.0	7.3	6.7	6.0	1.7	6.5
ANTIHEM	6.3	8.7	9.0	8.3	5.3	6.3	1.0	6.4
DUKE	7.0	6.7	8.0	6.7	8.0	6.3	2.3	6.4
MB-22-92	7.7	7.3	9.0	4.0	6.3	6.3	4.3	6.4
MONARCH	6.7	7.7	9.0	6.3	7.0	6.7	1.7	6.4
OFI-TF-601	6.7	8.7	6.3	8.0	7.3	5.7	2.3	6.4
ADOBE (SFL)	5.0	7.0	8.0	8.0	7.7	5.7	3.7	6.4
DUSTER (ITR-90-2)	7.0	8.7	8.0	6.7	7.0	5.7	2.0	6.4
PICK 90-12	6.0	7.7	7.3	7.7	6.0	7.0	3.0	6.4
BONANZA	7.3	7.3	8.0	7.3	6.3	6.0	2.3	6.4
PSTF-401	6.7	8.3	9.0	6.7	6.3	6.0	1.7	6.4
SHENANDOAH	7.3	8.0	9.0	6.0	5.7	6.7	2.0	6.4

TABLE 17. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONTINUED) 1993 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	AR1	AR2	AZ1	IL2	KS1	VA1	VA8	MEAN
403	6.7	7.3	7.3	7.7	7.7	6.3	1.3	6.3
CAS-LA20	6.7	7.3	8.0	6.0	5.3	5.7	5.3	6.3
FALCON	6.7	7.7	8.0	6.7	6.7	5.0	3.7	6.3
SR 8300	6.7	7.7	8.0	7.7	7.0	6.3	1.0	6.3
FA-19	6.0	6.3	8.0	5.0	7.3	7.0	4.7	6.3
COYOTE (ZPS-ML)	6.3	7.3	9.0	8.0	6.3	5.7	1.7	6.3
ATF-007	5.3	7.3	8.0	5.3	7.0	7.7	3.3	6.3
SR 8210	5.7	8.3	8.0	6.3	6.3	5.0	4.3	6.3
CAS-MA21	6.0	7.0	9.0	7.3	6.0	6.0	2.7	6.3
PST-5STB	6.7	6.3	8.0	9.0	6.7	5.7	1.7	6.3
BAR FA 214	4.7	7.0	8.0	6.3	7.3	5.0	5.3	6.2
COCHISE	5.3	6.7	8.0	8.3	7.3	6.0	2.0	6.2
HOUNDG V (ISI-AFE)	7.7	7.0	7.0	7.7	6.3	6.0	2.0	6.2
MB-23-92	5.7	6.7	9.0	6.7	5.0	7.3	3.3	6.2
PICK 90-06	6.3	7.7	7.0	6.3	6.3	6.0	4.0	6.2
PST-5DX W/ENDOPHYTE	7.3	7.3	7.0	6.3	6.0	6.0	3.7	6.2
TRAILBLAZER II	7.3	7.7	7.3	5.7	6.7	4.3	4.7	6.2
PSTF-200	7.0	8.0	9.0	6.0	5.3	6.0	2.0	6.2
SILVERADO	7.0	7.3	6.0	6.3	7.0	7.0	2.7	6.2
REBEL-3D	6.7	8.3	7.0	6.7	7.0	5.3	2.0	6.1
KITTYHAWK	6.0	6.7	9.0	6.3	7.0	5.0	3.0	6.1
APACHE II (PST-59D)	7.3	7.3	7.0	7.0	7.7	5.0	1.3	6.1
ELDORADO	7.0	6.3	8.0	7.3	7.0	5.0	2.0	6.1
MONIAUK	6.7	7.3	6.3	8.0	6.7	6.7	1.0	6.1
ISI-ATK	7.3	7.7	6.3	6.3	7.3	6.0	1.3	6.0
PST-5VC	7.7	7.0	9.0	5.7	6.0	4.7	2.3	6.0
MB-24-92	7.0	6.3	7.3	6.3	7.0	5.7	2.7	6.0
PST-5PM	7.3	7.0	7.0	4.3	7.7	4.0	4.7	6.0
LEPRECHAUN	6.3	7.7	8.0	5.7	6.3	6.3	1.0	5.9
CORONADO (PST-RDG)	7.0	6.0	8.0	6.0	6.7	6.0	1.3	5.9
OLYMPIC II	4.7	7.7	8.0	7.7	6.3	5.0	1.7	5.9
REBEL, JR.	6.7	8.0	6.3	5.0	6.0	6.0	3.0	5.9
SR 8200	6.7	7.3	6.3	8.0	5.7	4.3	2.7	5.9
KY-31 W/ENDO.	5.3	8.3	9.0	5.7	6.7	4.7	1.0	5.8
MICRO DD	5.3	6.7	6.3	6.7	7.7	5.3	2.7	5.8
FA-22	6.7	7.7	5.7	6.0	5.3	6.7	1.7	5.7
VIRTUE	6.0	7.0	8.0	5.7	5.7	5.7	1.7	5.7
BONSAI PLUS	4.3	8.0	5.7	7.0	6.7	4.3	3.0	5.6
PRO-9178	6.0	6.3	8.0	6.7	6.0	4.3	1.0	5.5
ZPS-VL	5.3	6.0	5.3	8.0	5.7	4.7	3.0	5.4
PICK CII	5.7	7.7	5.7	7.0	5.0	4.7	1.3	5.3
PICK 90-10	5.7	6.0	7.0	5.0	4.0	5.7	3.0	5.2
LANCER	6.3	5.0	7.3	5.7	7.0	4.0	1.0	5.2
BONSAI	4.7	4.3	6.3	7.0	6.0	3.7	3.0	5.0
TWILIGHT	4.0	5.0	8.0	6.7	6.3	3.3	1.7	5.0
LSD VALUE	2.2	1.7	2.8	3.9	2.7	2.1	3.9	1.1

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

TABLE 18.

UNIFORMITY RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

UNIFORMITY RATINGS 1-9; 9=BEST 1/

NAME	NE3	MEAN
BONSAI	6.0	6.0
PST-5STB	6.0	6.0
CORONADO (PST-RDG)	5.7	5.7
FALCON II (MB-21-92)	5.7	5.7
GEN-91	5.7	5.7
LANCER	5.7	5.7
LEXUS	5.7	5.7
MB-24-92	5.7	5.7
SILVERADO	5.7	5.7
ZPS-VL	5.7	5.7
ADOBE (SFL)	5.3	5.3
BAR FA 0855	5.3	5.3
BAR FA 214	5.3	5.3
FA-19	5.3	5.3
GUARDIAN	5.3	5.3
HOUNDG V (ISI-AFE)	5.3	5.3
LEPRECHAUN	5.3	5.3
MB-25-92	5.3	5.3
MONTAUK	5.3	5.3
PICK 90-06	5.3	5.3
PST-5VC	5.3	5.3
REBEL-3D	5.3	5.3
SAFARI	5.3	5.3
SHENANDOAH	5.3	5.3
SR 8210	5.3	5.3
TRAILBLAZER II	5.3	5.3
WXI-208-2	5.3	5.3
EMPEROR II (ZPS-E2)	5.3	5.3
ATF-006	5.0	5.0
ATF-007	5.0	5.0
AUSTIN	5.0	5.0
AVANTI	5.0	5.0
BONSAI PLUS	5.0	5.0
FA-22	5.0	5.0
ISI-CRC	5.0	5.0
JAGUAR 3 (ZPS-J3)	5.0	5.0
M-2	5.0	5.0
MB-22-92	5.0	5.0
MB-23-92	5.0	5.0
MIRAGE (KWS-DSL)	5.0	5.0
OFT-TF-601	5.0	5.0
PICK CII	5.0	5.0
PRO-9178	5.0	5.0
PSTF-401	5.0	5.0
REBEL, JR.	5.0	5.0
SR 8200	5.0	5.0
TITAN 2 (SR 8010)	5.0	5.0

UNIFORMITY RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

UNIFORMITY RATINGS 1-9; 9=BEST

NAME	NE3	MEAN
VIRTUE	5.0	5.0
COYOTE (ZPS-ML)	5.0	5.0
ARID	4.7	4.7
ASTRO 2000	4.7	4.7
BAR FA 2AB	4.7	4.7
BONANZA II	4.7	4.7
CAFA101	4.7	4.7
COCHISE	4.7	4.7
DUKE	4.7	4.7
DUSTER (ITR-90-2)	4.7	4.7
FINELAWN 88	4.7	4.7
ISI-ATK	4.7	4.7
KITTYHAWK	4.7	4.7
MICRO DD	4.7	4.7
MONARCH	4.7	4.7
OLYMPIC II	4.7	4.7
PICK 90-10	4.7	4.7
PST-5DX W/ENDOPHYTE	4.7	4.7
PST-5PM	4.7	4.7
SIU-1	4.7	4.7
SR 8300	4.7	4.7
SR 8400	4.7	4.7
TOMAHAWK	4.7	4.7
ALAMO (J-1048)	4.3	4.3
APACHE II (PST-59D)	4.3	4.3
AZTEC	4.3	4.3
CAS-LA20	4.3	4.3
FINELAWN PETITE	4.3	4.3
ISI-AFA	4.3	4.3
PHOENIX	4.3	4.3
PICK 90-12	4.3	4.3
PIXIE	4.3	4.3
PST-5LX	4.3	4.3
PSTF-200	4.3	4.3
TWILIGHT	4.3	4.3
VEGAS	4.3	4.3
403	4.0	4.0
ANTHEM	4.0	4.0
BONANZA	4.0	4.0
CAS-MA21	4.0	4.0
ELDORADO	4.0	4.0
KY-31 NO ENDO.	4.0	4.0
PSTF-LF	4.0	4.0
FALCON	3.7	3.7
KY-31 W/ENDO.	3.7	3.7
LSD VALUE	1.3	1.3

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

TABLE 19. FLOOD RECOVERY RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

FLOOD RECOVERY RATINGS 1-9; 9=BEST 1/

NAME	NE2	MEAN
CAS-MA21	6.0	6.0
ANTHEM	5.3	5.3
CAFA101	5.3	5.3
FALCON II (MB-21-92)	5.3	5.3
PST-5DX W/ENDOPHYTE	5.3	5.3
ELDORADO	5.0	5.0
LEPRECHAUN	5.0	5.0
MIRAGE (KWS-DSL)	5.0	5.0
SIU-1	5.0	5.0
WXI-208-2	4.7	4.7
BONANZA II	4.3	4.3
MB-23-92	4.3	4.3
MB-24-92	4.3	4.3
REBEL-3D	4.3	4.3
SR 8400	4.3	4.3
ASTRO 2000	4.0	4.0
ATF-006	4.0	4.0
DUSTER (ITR-90-2)	4.0	4.0
FINELAWN 88	4.0	4.0
GUARDIAN	4.0	4.0
PICK 90-10	4.0	4.0
PSTF-200	4.0	4.0
COYOTE (ZPS-ML)	4.0	4.0
ALAMO (J-1048)	3.7	3.7
BONANZA	3.7	3.7
FA-22	3.7	3.7
JAGUAR 3 (ZPS-J3)	3.7	3.7
LANCER	3.7	3.7
MONARCH	3.7	3.7
PST-5LX	3.7	3.7
PST-5VC	3.7	3.7
ADOBE (SFL)	3.3	3.3
ARID	3.3	3.3
AUSTIN	3.3	3.3
AZTEC	3.3	3.3
CORONADO (PST-RDG)	3.3	3.3
MB-22-92	3.3	3.3
PHOENIX	3.3	3.3
PICK 90-06	3.3	3.3
PICK CII	3.3	3.3
PRO-9178	3.3	3.3
TOMAHAWK	3.3	3.3
COCHISE	3.0	3.0
HOUND OG V (ISI-AFE)	3.0	3.0
MICRO DD	3.0	3.0
SHENANDOAH	3.0	3.0
SR 8200	3.0	3.0

FLOOD RECOVERY RATINGS OF TALL FESCUE CULTIVARS
1993 DATA

FLOOD RECOVERY RATINGS 1-9; 9=BEST

NAME	NE2	MEAN
VEGAS	3.0	3.0
403	2.7	2.7
GEN-91	2.7	2.7
M-2	2.7	2.7
MB-25-92	2.7	2.7
OFI-TF-601	2.7	2.7
OLYMPIC II	2.7	2.7
PSTF-401	2.7	2.7
REBEL, JR.	2.7	2.7
SR 8210	2.7	2.7
VIRTUE	2.7	2.7
EMPEROR II (ZPS-E2)	2.7	2.7
ATF-007	2.3	2.3
FA-19	2.3	2.3
ISI-AFA	2.3	2.3
ISI-CRC	2.3	2.3
KY-31 NO ENDO.	2.3	2.3
KY-31 W/ENDO.	2.3	2.3
PICK 90-12	2.3	2.3
PSTF-LF	2.3	2.3
SAFARI	2.3	2.3
TWILIGHT	2.3	2.3
ZPS-VL	2.3	2.3
BAR FA 214	2.0	2.0
BONSAI	2.0	2.0
DUKE	2.0	2.0
FALCON	2.0	2.0
ISI-ATK	2.0	2.0
KITTYHAWK	2.0	2.0
IEXUS	2.0	2.0
MONTAUK	2.0	2.0
PIXIE	2.0	2.0
PST-5PM	2.0	2.0
SR 8300	2.0	2.0
TITAN 2 (SR 8010)	2.0	2.0
TRAILBLAZER II	2.0	2.0
APACHE II (PST-59D)	1.7	1.7
BAR FA 2AB	1.7	1.7
BONSAI PLUS	1.7	1.7
SILVERADO	1.7	1.7
AVANTI	1.3	1.3
BAR FA 0855	1.3	1.3
CAS-LA20	1.3	1.3
FINELAWN PETITE	1.3	1.3
PST-5STB	1.3	1.3
ISD VALUE	3.5	3.5

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

TABLE 20. DENSITY COUNTS (SPRING) OF TALL FESCUE CULTIVARS
1993 DATA

NAME	NUMBER OF STEMS PER 81 SQ. CENTIMETERS 1/	
	AR2	MEAN
BAR FA 214	193.3	193.3
PRO-9178	190.0	190.0
PST-5VC	184.0	184.0
PICK CII	180.3	180.3
LEXUS	179.7	179.7
ZPS-VL	177.3	177.3
PST-5LX	175.7	175.7
REBEL, JR.	173.7	173.7
ALAMO (J-1048)	169.7	169.7
FA-22	164.7	164.7
ISI-CRC	164.7	164.7
PIXIE	164.7	164.7
ATF-007	163.0	163.0
MB-24-92	163.0	163.0
BAR FA 2AB	159.3	159.3
DUSTER (ITR-90-2)	159.3	159.3
M-2	159.3	159.3
MB-23-92	159.3	159.3
MICRO DD	158.0	158.0
MB-25-92	157.7	157.7
PSTF-200	157.7	157.7
OLYMPIC II	157.3	157.3
CAS-MA21	156.0	156.0
COCHISE	155.7	155.7
FA-19	155.3	155.3
FALCON	155.0	155.0
MB-22-92	155.0	155.0
GUARDIAN	153.3	153.3
LEPRECHAUN	153.0	153.0
WXI-208-2	151.7	151.7
CAFA101	151.3	151.3
SR 8200	150.7	150.7
PSTF-401	150.3	150.3
403	149.7	149.7
PST-5PM	149.7	149.7
GEN-91	146.7	146.7
SR 8300	146.3	146.3
ADOBE (SFL)	145.7	145.7
OFI-TF-601	145.7	145.7
FINELAWN PETITE	145.3	145.3
JAGUAR 3 (ZPS-J3)	145.3	145.3
PICK 90-10	145.3	145.3
PICK 90-06	145.0	145.0
BONSAI	142.0	142.0
SILVERADO	141.3	141.3
ELDORADO	141.0	141.0
SR 8210	141.0	141.0

DENSITY COUNTS (SPRING) OF TALL FESCUE CULTIVARS
1993 DATA

NAME	NUMBER OF STEMS PER 81 SQ. CENTIMETERS	
	AR2	MEAN
MIRAGE (KWS-DSL)	140.3	140.3
APACHE II (PST-59D)	139.7	139.7
LANCER	139.7	139.7
ISI-AFA	138.7	138.7
EMPEROR II (ZPS-E2)	137.7	137.7
BONANZA II	136.7	136.7
BAR FA 0855	136.3	136.3
TRAILBLAZER II	136.0	136.0
PST-5STB	135.0	135.0
TITAN 2 (SR 8010)	133.0	133.0
HOUNDOG V (ISI-AFE)	132.3	132.3
VIRTUE	132.0	132.0
CORONADO (PST-RDG)	131.7	131.7
TOMAHAWK	131.3	131.3
ISI-ATK	131.0	131.0
DUKE	130.0	130.0
BONANZA	129.3	129.3
PICK 90-12	129.0	129.0
ANTHEM	128.7	128.7
FINELAWN 88	128.7	128.7
REBEL-3D	128.3	128.3
AUSTIN	127.7	127.7
MONTAUK	127.7	127.7
VEGAS	127.3	127.3
CAS-LA20	126.7	126.7
MONARCH	126.3	126.3
SHENANDOAH	123.0	123.0
COYOTE (ZPS-ML)	122.7	122.7
PST-5DX W/ENDOPHYTE	120.7	120.7
ARID	120.0	120.0
TWILIGHT	120.0	120.0
PHOENIX	117.0	117.0
FALCON II (MB-21-92)	116.3	116.3
KITTYHAWK	115.3	115.3
ASTRO 2000	114.7	114.7
BONSAI PLUS	114.0	114.0
AZTEC	113.3	113.3
AVANTI	109.7	109.7
PSTF-LF	109.0	109.0
SAFARI	109.0	109.0
KY-31 NO ENDO.	106.0	106.0
STU-1	104.7	104.7
ATF-006	102.0	102.0
KY-31 W/ENDO.	93.3	93.3
SR 8400	91.3	91.3
LSD VALUE	52.1	52.1

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

TABLE 21.

DENSITY COUNTS (FALL) OF TALL FESCUE CULTIVARS
1993 DATA

NAME	NUMBER OF STEMS PER 81 SQ. CENTIMETERS 1/		
	AR1	AR2	MEAN
JAGUAR 3 (ZPS-J3)	105.3	31.0	68.2
SILVERADO	94.0	24.3	59.2
TOMAHAWK	75.0	41.3	58.2
ZPS-VL	66.3	50.0	58.2
LEXUS	75.3	39.0	57.2
PICK 90-10	97.3	15.7	56.5
EMPEROR II (ZPS-E2)	78.0	33.7	55.8
M-2	74.0	37.0	55.5
VEGAS	83.7	27.0	55.3
REBEL, JR.	79.7	30.3	55.0
MIRAGE (KWS-DSL)	89.3	18.3	53.8
TITAN 2 (SR 8010)	90.0	17.3	53.7
VIRTUE	77.7	28.0	52.8
CAS-LA20	76.7	28.7	52.7
ADOBE (SFL)	73.3	32.0	52.7
PST-5VC	82.0	22.7	52.3
FA-22	93.3	11.0	52.2
PST-5LX	86.0	17.0	51.5
PST-5STB	84.0	16.7	50.3
DUSTER (ITR-90-2)	88.0	11.3	49.7
MB-22-92	75.3	24.0	49.7
WXI-208-2	70.7	28.0	49.3
FINELAWN 88	78.0	19.3	48.7
ATF-007	79.0	18.0	48.5
ISI-AFA	74.3	22.7	48.5
LEPRECHAUN	71.0	26.0	48.5
MONTAUK	68.0	29.0	48.5
DUKE	72.7	24.0	48.3
BAR FA 214	73.3	23.3	48.3
ANTHEM	71.3	25.0	48.2
403	72.0	23.7	47.8
MB-23-92	77.3	18.3	47.8
KITTYHAWK	77.7	17.7	47.7
SR 8210	77.3	18.0	47.7
FALCON II (MB-21-92)	73.7	21.0	47.3
FA-19	77.3	17.3	47.3
AZTEC	66.7	27.7	47.2
MB-24-92	72.7	21.7	47.2
CAFA101	72.0	22.3	47.2
PST-5PM	65.7	28.3	47.0
BAR FA 2AB	67.0	26.0	46.5
PSTF-401	76.0	17.0	46.5
OPI-TF-601	73.7	19.0	46.3
COYOTE (ZPS-ML)	68.7	23.3	46.0
FINELAWN PETITE	71.0	20.7	45.8
PICK CII	60.3	31.0	45.7
BAR FA 0855	63.0	28.0	45.5

DENSITY COUNTS (FALL) OF TALL FESCUE CULTIVARS
1993 DATA

NAME	NUMBER OF STEMS PER 81 SQ. CENTIMETERS		
	AR1	AR2	MEAN
PICK 90-12	64.3	26.7	45.5
LANCER	73.7	17.0	45.3
BONSAI PLUS	67.3	23.3	45.3
PST-5DX W/ENDOPHYTE	67.3	23.3	45.3
TRAILBLAZER II	58.7	32.0	45.3
BONANZA	71.0	19.3	45.2
PRO-9178	67.7	22.3	45.0
PICK 90-06	70.3	19.3	44.8
CAS-MA21	66.0	22.3	44.2
FALCON	64.3	24.0	44.2
CORNADO (PST-RDG)	62.7	25.3	44.0
MB-25-92	65.0	23.0	44.0
OLYMPIC II	58.3	29.7	44.0
HOUNDG V (ISI-AFE)	69.3	18.0	43.7
ELDORADO	60.0	27.0	43.5
PIXIE	70.7	15.7	43.2
MONARCH	60.3	25.3	42.8
PSTF-200	61.0	24.7	42.8
SAFARI	57.3	28.3	42.8
SR 8300	67.0	18.7	42.8
BONANZA II	61.7	23.3	42.5
SHENANDOAH	66.0	18.7	42.3
PHOENIX	63.7	20.7	42.2
ARID	60.3	23.0	41.7
REBEL-3D	67.3	16.0	41.7
PSTF-LF	56.7	26.3	41.5
SR 8400	55.3	27.0	41.2
ASTRO 2000	63.3	18.7	41.0
GEN-91	66.0	16.0	41.0
GUARDIAN	62.3	19.7	41.0
SR 8200	60.0	22.0	41.0
BONSAI	63.0	18.3	40.7
COCHISE	62.7	18.7	40.7
ATF-006	60.0	21.0	40.5
ISI-CRC	56.0	24.3	40.2
SIU-1	60.7	18.3	39.5
APACHE II (PST-59D)	68.0	9.3	38.7
AUSTIN	50.7	26.7	38.7
ALAMO (J-1048)	58.0	16.0	37.0
AVANTI	54.0	18.0	36.0
MICRO DD	56.0	14.3	35.2
ISI-ATK	53.3	16.3	34.8
TWILIGHT	49.7	18.7	34.2
KY-31 NO ENDO.	55.7	12.0	33.8
KY-31 W/ENDO.	45.3	19.0	32.2
LSD VALUE	25.8	20.9	16.6

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