

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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CONTENTS

1992 National Tall Fescue Test - 1994 data

LOCATIONS SUBMITTING DATA FOR 1994.....1

NATIONAL TALL FESCUE TEST, 1992 - Entries and Sponsors.....2

Table A - 1994 Locations, Site Descriptions and Management
Practices in the 1992 National Tall Fescue Test.....3

Table B - Locations and Data Collected in 1994.....4

Table 1 - Mean Turfgrass Quality Ratings of Tall Fescue
Cultivars at Forty-Five Locations in the U.S. and Canada.....7

Table 2 - Mean Turfgrass Quality Ratings of Tall Fescue
Cultivars for Each Month Grown at Forty-Five Locations in
the U.S. and Canada.....11

Table 3 - Ranking of Mean Turfgrass Quality Ratings of Tall
Fescue Cultivars at Forty-Five Locations in the U. S.
and Canada.....13

Table 4 - Genetic Color Ratings of Tall Fescue Cultivars.....17

Table 5 - Spring Greenup Ratings of Tall Fescue Cultivars.....19

Table 6 - Leaf Texture Ratings of Tall Fescue Cultivars.....21

Table 7 - Wear Tolerance (Summer) Ratings of Tall Fescue Cultivars.....23

Table 8 - Spring Density Ratings of Tall Fescue Cultivars.....24

Table 9 - Summer Density Ratings of Tall Fescue Cultivars.....26

Table 10 - Fall Density Ratings of Tall Fescue Cultivars.....28

Table 11 - Percent Living Ground Cover (Spring) Ratings of
Tall Fescue Cultivars.....30

Table 12 - Percent Living Ground Cover (Summer) Ratings of
Tall Fescue Cultivars.....32

Table 13 - Percent Living Ground Cover (Fall) Ratings of
Tall Fescue Cultivars.....34

Table 14 - Frost Tolerance Ratings of Tall Fescue Cultivars.....36

Table 15 - Winter Color Ratings of Tall Fescue Cultivars.....37

Table 16 - Percent Winter Kill Ratings of Tall Fescue Cultivars.....38

Table 17 - Drought Tolerance (Wilting) Ratings of Tall Fescue
Cultivars.....39

CONTENTS (continued)

Table 18 - Drought Tolerance (Dormancy) Ratings of Tall Fescue Cultivars.....	40
Table 19 - Typhula Blight Ratings of Tall Fescue Cultivars.....	41
Table 20 - Leaf Spot Ratings of Tall Fescue Cultivars.....	42
Table 21 - Brown Patch Ratings of Tall Fescue Cultivars.....	43
Table 22 - Pythium Blight Ratings of Tall Fescue Cultivars.....	45
Table 23 - Density Counts (Spring) of Tall Fescue Cultivars.....	46
Table 24 - Density Counts (Fall) of Tall Fescue Cultivars.....	47
Table 25 - Fall Color (November) Ratings of Tall Fescue Cultivars.....	48

LOCATIONS SUBMITTING DATA FOR 1994

<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
District of Columbia	Washington Monument Grounds	DC1
Georgia	Griffin (High pH)	GA1
Georgia	Griffin (Low pH)	GA2
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
Indiana	West Lafayette	IN1
Kansas	Manhattan	KS1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Maryland	Beltsville (High maintenance)	UB1
Maryland	Beltsville (Low maintenance)	UB2
Maryland	Silver Spring	MD1
Massachusetts	Deerfield	MA1
Michigan	East Lansing	MI1
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
Nevada	Reno	NV1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
New York	Ithaca	NY1
Pennsylvania	University Park (Medium maintenance)	PA1
Pennsylvania	University Park (Low maintenance)	PA2
Rhode Island	Kingston	RI1
South Dakota	Brookings	SD1
Saskatchewan	Saskatoon	SK1
Texas	Dallas	TX1
Virginia	Blacksburg	VA1
Virginia	Virginia Beach	VA4
Virginia	Norton	VA6
Virginia	Charlottesville	VA8
Washington	Pullman	WA1
Wisconsin	Madison	WI1

**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	Marksman (MB-23-92)	E.F. Burlingham
6	BAR Fa 2AB	Barenbrug/Holding	46	Apache II (PST-59D)	Pure-Seed Test., Inc.	84	Starlet (MB-24-92)	E.F. Burlingham
7	BAR Fa 0855	Barenbrug/Holding	47	Jaguar 3 (ZPS-J3)	Zajac Performance Seeds	85	Southern Choice (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	Ninja (ATF 006)	Ampac Seed Co.	49	Gazelle (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	Debutante (WXI-208-2)	Willamette Seed Co.
12	FA-22	Advanta Seeds West	52	Palisades (OFI-TF-601)	Olsen-Fennel Seeds	90	Shenandoah	Willamette Seed Co.
13	Rebel-3D	Lofts Seed Co.	53	Chieftain II (Pick CII)	Roberts Seed Co.	91	Bonanza	Standard entry
14	Rebel, Jr.	Lofts Seed Co.	54	Pick 90-10	Pickseed West	92	Pyramid (SIU-1)	Olsen-Fennel Seed Co.
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	OFI-ATK (ISI-ATK)	Olsen-Fennel Seed Co.			
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	Empress (ZPS-E2)	Zajac Performance Seeds	67	Lancer	LESCO, Inc.			
27	Crossfile II (Pick 90-12)	Pickseed West	68	Trailblazer II	LESCO, Inc.			
28	Shortstop II (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	Grande (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.

1994 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	SILT LOAM AND SILT	6.1-6.5	271-450	376-500	4.1-5.0	FULL SUN	3.1-3.5	TO PREVENT STRESS
AR2	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	3.1-4.0	UNIFORM SHADE	1.6-2.0	TO PREVENT STRESS
AZ1	SANDY LOAM	7.6-8.5	0-60	241-375	0.0-1.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
BC1	SANDY LOAM	6.1-6.5	271-450	376-500	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
CA1	LOAM	6.6-7.0	0-60	0-150	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
CA3	SANDY LOAM	6.6-7.0	0-60	0-150	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
DC1	SANDY LOAM	7.1-7.5	451+	241-375	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
GA1	SANDY CLAY LOAM	6.1-6.5	61-150	151-240	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
GA2	SANDY CLAY LOAM	3.6-4.5	61-150	151-240	1.1-2.0	FULL SUN	2.1-2.5	NO IRRIGATION
IL1	SILT LOAM AND SILT	6.1-6.5	-	-	0.0-1.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT 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	SILT LOAM AND SILT	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
KY1	SILT LOAM AND SILT	6.1-6.5	-	-	2.1-3.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
MA1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	2.1-3.0	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
MI1	SANDY LOAM	6.6-7.0	-	-	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MO1	SILTY CLAY LOAM	6.1-6.5	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	1.6-2.0	TO PREVENT STRESS
MS1	SANDY CLAY LOAM	6.6-7.0	271-450	151-240	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
NE1	SILTY CLAY LOAM	6.6-7.0	0-60	376-500	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NE2	SILTY CLAY LOAM	6.6-7.0	0-60	376-500	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NE3	SANDY LOAM	-	271-450	376-500	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NJ1	LOAM	6.1-6.5	271-450	376-500	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
NJ2	SANDY LOAM	6.1-6.5	271-450	501+	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
NV1	SANDY CLAY LOAM	6.6-7.0	-	-	1.1-2.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NY1	SILTY CLAY LOAM	5.6-6.0	-	-	-	FULL SUN	2.6-3.0	NO IRRIGATION
PA1	SILT LOAM AND SILT	6.6-7.0	61-150	-	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
PA2	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	0.0-1.0	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	SILTY CLAY AND CLAY	-	-	-	0.0-1.0	FULL SUN	1.6-2.0	NO IRRIGATION
TX1	SILTY CLAY AND CLAY	7.6-8.5	451+	501+	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
UB1	SANDY LOAM	6.1-6.5	271-450	151-240	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
UB2	SILT LOAM AND SILT	4.6-5.5	151-270	151-240	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
VA6	-	-	-	-	-	FULL SUN	-	NO IRRIGATION
VA8	-	-	-	-	2.1-3.0	FULL SUN	-	NO IRRIGATION
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1994

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	X	X	X	X	X
AR1				X	X		X		X	X		
AR2				X	X		X	X	X	X		
AZ1	X	X	X	X	X	X	X	X	X	X	X	X
BC1			X	X	X	X	X	X	X		X	
CA1	X	X	X	X	X	X	X	X	X	X	X	X
CA3	X	X	X	X	X	X	X	X	X	X	X	X
DC1				X	X	X	X	X				
GA1			X	X	X	X	X	X	X	X	X	X
GA2				X			X	X	X	X	X	X
IL1					X	X	X	X	X			
IL2					X	X	X	X	X	X		
IN1				X	X	X	X	X	X	X		
KS1				X	X	X	X	X	X	X	X	
KS2				X	X		X	X	X			
KY1			X	X	X	X	X	X	X	X		
MA1				X	X	X	X	X	X	X		
MD1					X	X		X		X		
MI1					X	X	X	X	X			
MO1				X	X	X	X	X	X	X	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	X
MS1	X	X	X	X	X	X	X	X	X	X	X	X
NE1					X	X	X	X	X			
NE2					X	X	X	X	X			
NE3					X	X	X	X	X	X		
NJ1					X	X	X	X	X			X
NJ2				X	X	X	X	X	X	X		
NV1			X	X	X	X	X	X	X	X	X	
NY1					X	X	X	X	X	X		
PA1					X	X	X	X	X	X		
PA2					X	X	X	X	X	X		
RI1					X	X	X	X	X	X		
SD1				X	X	X	X	X	X	X	X	
SK1				X	X	X	X	X	X	X		
TX1			X			X	X	X	X		X	X
UB1				X	X	X	X	X	X	X	X	
UB2				X	X	X	X	X	X	X	X	
VA1				X	X	X	X	X	X	X		
VA4				X	X	X	X	X	X	X	X	X
VA6				X	X	X	X	X	X	X	X	
VA8			X	X	X	X	X	X	X	X	X	
WA1				X	X	X	X	X	X	X		
WI1							X	X	X	X		

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1994

LOCATION	GENETIC COLOR RATING	SPRING GREENUP RATING	LEAF TEXTURE RATING	WEAR TOLERANCE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	PERCENT WINTER KILL
AL1	X		X										
AR1					X		X						
AR2					X		X						
AZ1	X		X					X	X	X		X	
BC1	X		X			X	X						
CA1	X		X										
CA3													
DC1													
GA1	X						X			X			
GA2	X						X			X			
IL1	X	X	X										
IL2													
IN1													
KS1	X	X	X										
KS2						X							
KY1													
MA1	X												
MD1													
MI1													
MO1				X	X	X	X	X	X	X			
MO2	X		X		X	X	X	X	X				
MO3	X	X	X		X	X	X						
MO4		X			X	X	X	X	X	X			
MS1	X		X										
NE1	X	X	X										
NE2	X	X	X										
NE3	X				X	X	X	X					
NJ1	X												
NJ2	X		X										
NV1	X	X	X		X	X	X	X	X	X	X		
NY1					X	X	X						
PA1	X		X		X			X					
PA2	X	X											
RI1	X	X	X										
SD1	X	X	X		X	X	X						X
SK1					X	X	X						
TX1	X		X									X	
UB1	X	X	X										
UB2	X	X	X										
VA1	X		X										
VA4	X		X										
VA6			X					X	X				
VA8	X		X										
WA1	X	X	X										
WI1	X												

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1994

LOCATION	DROUGHT TOLERANCE WILTING	DROUGHT TOLERANCE DORMANCY	TYPHULA BLIGHT	LEAF SPOT	BROWN PATCH	PYTHIUM BLIGHT	SPRING DENSITY COUNTS	FALL DENSITY COUNTS	FALL COLOR NOVEMBER
AL1									
AR1					X		X	X	
AR2					X		X	X	
AZ1						X			
BC1									
CA1									
CA3									
DC1									
GA1									
GA2									
IL1									
IL2					X				
IN1									
KS1									
KS2									
KY1									
MA1									
MD1									
MI1									
MO1									
MO2					X				
MO3									
MO4									
MS1									
NE1									
NE2									
NE3	X								
NJ1					X				
NJ2									X
NV1	X	X							
NY1									
PA1			X		X				
PA2									
RI1									
SD1									
SK1									
TX1				X					
UB1									
UB2									
VA1									
VA4					X				
VA6									
VA8									
WA1									
WI1									

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA
1994 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																						
	AL1	AR1	AR2	AZ1	BC1	CA1	CA3	DC1	GA1	GA2	IL1	IL2	IN1	KS1	KS2	KY1	MA1	MD1	MI1	MO1	MO2	MO3	MO4
* JAGUAR 3 (ZPS-J3)	5.4	6.7	6.6	6.6	5.6	7.4	5.9	4.1	4.7	2.9	7.7	7.7	6.3	6.3	8.1	7.9	6.0	6.9	7.2	7.5	7.8	5.6	7.4
* HOUNDG V (ISI-AFE)	5.4	7.4	5.1	6.6	5.7	7.1	5.9	2.6	4.7	2.9	7.9	7.2	5.6	6.5	7.8	8.0	6.2	6.6	6.8	6.0	7.9	6.2	7.2
ISI-AFA	5.4	7.1	6.4	6.7	5.8	7.2	6.0	2.4	5.2	3.5	7.3	6.9	6.3	6.8	8.3	7.8	6.3	6.6	6.7	7.5	7.9	5.5	7.2
* FALCON II (MB-21-92)	5.3	6.5	5.7	6.5	5.6	7.2	6.0	2.7	4.8	3.1	6.9	7.6	6.4	6.9	7.9	7.4	6.1	7.0	6.3	7.1	7.8	6.4	7.2
* SOUTHERN CHOICE (MB-25-92)	5.4	7.0	5.5	6.6	5.8	7.4	6.0	2.4	4.8	3.2	7.1	7.9	6.5	6.3	8.2	7.7	6.6	6.5	6.3	7.3	7.7	6.1	6.7
* GEN-91	5.3	7.3	6.4	6.3	5.4	7.0	6.0	2.3	4.6	2.6	7.3	7.2	6.2	7.0	8.0	7.4	7.0	6.6	6.9	7.5	7.9	6.2	7.4
* CROSSFIRE II (PICK 90-12)	5.4	7.6	6.3	6.7	5.9	7.3	6.0	2.1	4.9	3.4	7.7	7.1	6.6	6.8	8.2	7.9	6.6	6.3	6.7	7.4	8.1	6.5	6.8
* COYOTE (ZPS-ML)	5.3	8.5	5.0	6.9	5.9	7.3	6.0	2.6	4.9	3.0	7.5	7.1	6.1	6.5	8.0	7.4	7.0	6.3	6.1	7.3	7.7	5.6	7.5
PST-5DX W/ENDOPHYTE	5.4	7.0	5.6	6.8	5.6	7.3	6.0	2.8	5.0	3.1	7.3	7.2	6.3	6.3	7.5	7.6	5.8	6.1	6.9	6.8	7.8	6.3	7.1
ATF-007	5.3	7.9	5.1	6.6	6.3	7.4	6.1	2.1	5.0	3.2	6.8	6.9	6.3	6.4	8.1	7.5	5.9	6.3	6.8	7.0	7.7	6.6	7.3
* FINELAWN PETITE	5.4	7.3	5.4	6.6	5.5	7.1	6.0	2.7	4.9	3.5	6.5	6.7	6.5	6.3	7.9	7.5	6.2	6.3	7.2	7.0	7.7	5.7	7.4
* PIXIE	5.5	7.2	4.8	6.5	5.8	7.3	6.0	3.3	4.9	3.2	7.1	7.3	5.1	6.1	8.0	7.5	6.4	6.5	6.8	7.4	7.8	6.2	7.7
* MB-22-92	5.4	6.4	6.8	6.5	5.8	7.3	5.9	2.4	5.0	2.7	7.0	7.1	5.7	6.8	7.3	7.7	5.9	6.8	6.8	7.2	7.7	6.0	7.3
* LANCER	5.4	7.9	4.3	6.6	5.9	7.4	5.9	2.5	4.4	3.1	7.4	7.0	6.6	6.4	7.9	7.7	6.1	6.5	6.6	7.3	7.7	5.9	7.0
* REBEL, JR.	5.4	7.3	5.7	6.7	5.7	7.2	5.9	2.5	4.8	3.2	6.7	6.8	6.7	6.4	7.9	7.2	6.0	6.5	6.6	7.7	7.9	5.8	7.5
* CORONADO (PST-RDG)	5.3	7.9	6.1	6.5	5.6	7.3	5.9	1.5	5.0	3.8	6.6	7.7	5.9	6.6	8.0	7.3	6.9	6.3	6.3	7.3	7.9	6.2	7.4
* LEXUS	5.2	7.9	5.8	6.8	6.0	7.1	6.1	2.8	4.8	1.7	7.2	7.6	4.7	6.9	8.0	8.0	6.9	6.2	6.5	7.6	7.7	6.1	7.3
* EMPRESS (ZPS-E2)	5.3	7.5	6.1	6.6	6.1	7.3	5.9	2.2	4.9	2.6	7.4	7.4	5.9	6.2	8.1	7.8	5.9	6.3	6.6	7.3	7.8	6.0	7.5
* MARKSMAN (MB-23-92)	5.4	7.0	6.0	6.7	5.9	6.9	6.0	1.8	4.6	2.2	6.9	7.4	6.3	6.1	8.0	7.4	6.1	6.5	6.2	7.2	7.8	6.1	7.0
* APACHE II (PST-59D)	5.4	7.5	4.6	6.6	5.9	7.2	5.9	2.3	5.0	3.2	6.5	7.5	5.5	6.8	7.7	7.8	6.6	6.1	6.5	7.5	7.8	6.4	7.1
PICK 90-10	5.3	7.9	5.0	6.3	6.1	7.3	5.9	2.2	4.5	3.4	6.9	7.1	5.8	6.8	7.8	7.3	6.6	6.3	6.2	7.5	7.8	5.7	7.2
PST-5PM	5.4	6.7	5.6	6.8	5.9	7.1	5.9	2.3	4.6	3.0	7.4	6.4	5.9	6.3	8.1	7.6	6.1	6.5	6.7	7.4	7.6	5.7	7.3
* TOMAHAWK	5.4	7.3	6.1	6.8	5.8	7.2	6.0	2.3	4.7	2.7	7.5	7.1	6.3	6.2	7.9	7.4	6.0	6.2	6.5	7.3	7.8	5.4	7.1
* GRANDE (SR 8400)	5.3	6.9	6.3	6.4	5.6	6.9	5.9	3.3	4.7	4.0	7.8	6.6	6.0	6.6	7.7	7.7	5.0	6.3	6.7	7.4	7.6	5.0	6.8
* DEBUTANTE (WXI-208-2)	5.4	7.1	5.2	6.5	5.5	7.2	6.0	3.1	4.8	3.4	7.1	7.7	6.4	6.3	7.8	7.5	5.6	6.3	6.2	7.4	7.7	5.6	6.9
* MICRO DD	5.4	7.3	4.9	6.7	5.6	7.4	5.9	3.1	4.8	2.7	7.0	6.7	6.5	6.5	7.5	7.4	6.2	6.7	6.7	7.4	7.7	5.9	7.2
* PYRAMID (SIU-1)	5.3	6.4	6.4	6.8	6.0	7.4	5.8	3.1	4.6	2.5	6.9	6.6	6.9	6.6	7.5	7.8	5.5	6.3	6.7	7.4	7.7	5.9	7.2
* DUSTER (ITR-90-2)	5.3	7.3	5.3	6.4	5.6	7.3	6.0	2.3	4.5	2.0	6.8	6.7	6.1	6.1	7.7	7.5	6.3	6.3	6.4	7.3	7.8	5.3	7.6
SR 8210	5.2	7.1	5.3	6.5	5.9	7.1	5.9	2.8	4.9	2.2	7.1	6.6	6.2	6.3	7.7	7.4	5.4	6.3	6.3	7.2	7.7	5.3	7.1
* GAZELLE (ZPS-VL)	5.6	7.7	5.3	6.5	5.2	7.4	5.9	2.1	4.7	1.1	5.9	7.2	6.0	6.5	7.9	7.2	7.0	6.3	6.7	7.4	7.8	6.4	7.4
* STARLET (MB-24-92)	5.3	6.9	5.1	6.6	5.7	7.3	5.9	2.3	4.8	3.2	7.1	7.0	5.4	5.8	8.0	7.2	6.0	6.5	6.6	7.3	7.8	5.9	7.6
* VIRTUE	5.1	6.9	5.8	6.6	5.6	7.1	5.7	3.4	4.5	1.0	7.1	7.2	5.8	6.5	7.5	7.3	6.3	6.3	6.3	7.4	7.7	5.9	7.5
* TITAN 2 (SR 8010)	5.3	6.2	5.7	6.4	5.9	7.0	5.6	3.7	4.4	3.0	6.4	6.6	5.9	6.5	6.6	7.3	4.7	6.5	6.9	7.1	7.7	5.8	6.8
FA-19	5.4	7.2	5.3	6.6	5.7	7.2	5.9	3.1	4.5	3.0	6.4	6.9	6.8	6.2	7.4	7.4	5.5	6.1	6.6	7.1	7.8	5.6	7.1
* SILVERADO	5.4	7.3	4.9	6.3	5.7	7.2	5.8	2.3	5.1	3.5	7.1	6.8	6.9	6.3	7.7	7.8	5.3	6.2	6.8	7.4	7.7	5.6	7.1
* MONTAUK	5.3	6.5	5.7	6.6	5.6	6.9	5.8	2.7	4.6	3.2	7.2	5.9	6.3	6.3	7.0	7.4	5.8	6.6	6.5	7.3	7.6	5.4	7.2
* PALISADES (OFI-TF-601)	5.3	6.9	6.0	6.5	5.3	7.0	5.9	3.2	4.4	2.4	6.7	6.2	6.4	6.3	7.5	7.5	5.6	6.5	6.3	7.2	7.5	5.3	6.9
PST-5LX	5.4	7.2	4.8	6.6	5.6	7.0	6.0	2.4	4.7	2.6	6.9	6.9	5.4	6.2	7.9	7.5	6.0	6.2	6.1	7.0	7.6	5.9	7.1
* REBEL 3D	5.3	7.1	5.3	6.7	5.7	7.1	5.9	2.4	4.8	2.9	6.7	6.2	6.5	6.7	7.9	7.1	6.0	6.2	6.8	7.0	7.8	5.8	7.1
NINJA (ATF-006)	5.2	7.5	4.9	6.6	5.8	7.3	6.1	2.1	4.6	3.4	6.4	6.6	6.6	6.3	7.5	7.4	6.6	6.3	6.7	7.1	7.8	5.4	6.9
PST-5VC	5.2	7.1	6.1	6.5	5.6	6.9	5.8	1.6	4.7	2.3	6.7	6.2	6.9	6.3	7.3	7.6	5.8	6.3	5.7	7.1	7.9	5.1	7.1
* DUKE	5.3	6.5	5.6	6.7	5.8	7.1	5.9	3.3	4.7	2.7	7.2	5.8	6.1	6.1	7.5	7.4	5.7	6.3	6.2	7.1	7.6	5.0	6.7
* ADOBE (SFL)	5.4	6.9	4.3	6.4	6.1	7.2	5.9	2.1	5.0	2.8	6.9	6.7	6.4	6.2	7.7	7.2	5.5	6.2	6.8	7.3	7.7	5.8	6.9
* GUARDIAN	5.3	6.4	5.3	6.6	5.7	7.0	5.8	3.5	4.7	2.8	7.4	6.1	6.2	6.2	7.5	7.5	5.5	6.4	6.7	7.1	7.5	5.7	7.0
CHIEFTAIN II (PICK CII)	5.4	6.9	5.2	6.5	5.9	7.1	5.8	3.3	4.2	2.6	7.1	6.1	6.0	6.6	7.8	7.0	6.1	6.3	6.8	7.4	7.4	5.4	7.3
* BONSAI PLUS	5.4	7.0	5.9	6.4	5.7	7.3	5.8	2.3	4.7	3.8	6.8	6.9	6.0	6.3	7.3	7.1	5.6	6.2	6.6	7.4	7.7	5.7	7.3
* SR 8200	5.4	6.7	4.8	6.6	5.5	7.2	5.9	3.1	4.9	4.1	7.3	6.3	5.9	6.5	6.9	7.4	5.4	6.3	6.7	7.1	7.3	5.5	7.3
BAR FA 0855	5.4	6.3	5.3	6.6	5.6	7.2	5.9	2.5	4.7	2.7	6.7	7.1	6.2	6.1	7.7	7.2	5.5	6.3	6.2	7.2	7.4	5.8	7.2
* TRAILBLAZER II	5.3	6.4	5.4	6.5	5.4	6.9	5.8	2.5	4.9	2.4	7.1	7.1	6.3	6.4	7.2	7.2	5.9	6.5	6.9	6.9	7.8	5.4	6.7

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA
1994 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	AL1	AR1	AR2	AZ1	BC1	CA1	CA3	DC1	GA1	GA2	IL1	IL2	IN1	KS1	KS2	KY1	MA1	MD1	MI1	MO1	MO2	MO3	MO4
* SHORTSTOP (PICK 90-06)	5.5	8.1	4.9	6.3	5.7	7.3	6.0	1.9	4.3	3.4	6.8	7.4	5.5	6.5	7.7	7.5	6.0	6.0	6.3	6.6	7.8	5.3	7.3
* VEGAS	5.2	7.1	5.1	6.6	5.7	7.2	5.8	2.7	4.6	1.8	6.9	6.5	6.0	6.9	7.5	6.9	6.1	6.1	6.6	7.3	7.7	5.8	6.7
* ELDORADO	5.4	6.7	4.9	6.6	5.7	7.2	6.0	2.6	4.7	3.5	6.7	6.7	5.0	6.5	7.1	7.5	5.5	6.2	6.5	7.5	7.6	5.6	7.3
* COCHISE	5.6	7.0	4.9	6.4	5.6	7.2	6.0	2.3	4.6	3.7	6.3	6.2	6.4	6.5	7.9	7.4	6.2	6.1	6.7	7.3	6.9	6.2	7.4
FA-22	5.2	7.6	5.3	6.1	5.9	7.3	5.7	2.2	4.7	2.2	6.5	6.9	6.2	6.3	6.7	7.2	4.8	6.3	6.1	7.5	7.7	5.1	7.1
* ALAMO (J-1048)	5.3	6.7	4.9	6.8	5.7	6.9	5.8	3.5	4.6	2.7	7.3	5.8	5.9	6.3	7.2	7.4	5.5	6.5	6.5	7.3	7.0	5.7	7.7
PSTF-401	5.3	6.3	5.4	6.7	5.7	7.0	5.6	3.1	4.4	3.6	7.1	5.8	6.2	6.7	6.8	7.3	5.3	6.4	6.5	7.2	7.4	5.7	6.9
* SAFARI	5.3	5.7	5.3	6.8	5.6	7.1	5.8	3.3	4.8	2.8	6.1	6.2	6.0	6.5	7.5	7.3	5.8	6.6	6.9	7.0	7.7	5.4	7.3
* LEPRECHAUN	5.5	7.5	5.3	6.5	5.6	7.1	5.9	2.5	4.4	3.0	7.2	6.7	6.0	6.4	7.2	7.4	5.3	6.3	6.8	7.5	7.6	5.2	7.1
* SR 8300	5.4	6.8	5.9	6.6	5.6	7.0	5.9	3.5	4.7	2.8	6.6	5.7	6.3	6.1	6.7	7.4	4.9	6.6	6.5	7.5	7.5	5.8	6.8
BAR FA 2AB	5.4	6.9	5.9	6.7	6.1	7.2	6.0	1.7	4.6	3.0	6.6	6.5	5.3	6.3	7.6	7.6	6.2	6.1	6.5	6.8	7.7	5.9	7.0
* OFI-ATK (ISI-ATK)	5.3	6.4	4.7	6.6	5.6	7.3	5.4	3.5	4.5	2.4	7.4	6.0	5.8	6.4	7.7	7.4	5.6	6.2	6.4	7.1	7.4	5.2	7.1
PRO-9178	5.4	7.1	4.7	6.6	5.7	7.3	5.9	2.8	4.5	2.7	6.6	7.2	6.0	6.3	7.7	7.0	5.5	6.2	6.5	7.3	7.8	5.5	7.1
* BONANZA II	5.4	6.0	5.9	6.6	5.6	7.1	5.9	2.9	4.8	3.1	7.4	5.4	6.0	6.2	7.3	7.0	5.2	6.3	6.8	7.1	7.6	5.7	7.4
ISI-CRC	5.3	6.3	5.2	6.6	5.3	7.0	5.7	3.3	4.5	2.6	7.7	6.1	5.4	6.5	7.1	7.0	5.5	6.4	6.7	7.2	7.6	5.5	7.0
* MIRAGE (KWS-DSL)	5.3	6.7	5.1	6.0	5.7	7.2	6.0	2.7	4.8	2.8	6.5	6.7	6.3	6.4	7.5	7.2	5.7	6.5	6.4	7.1	7.6	5.4	7.4
PSTF-200	5.5	5.7	5.7	6.4	5.5	7.1	5.6	3.9	4.9	2.7	7.5	6.1	5.8	6.3	6.5	7.7	5.0	6.2	6.6	7.3	7.3	5.1	7.1
M-2	5.4	6.5	5.1	6.6	5.4	7.2	5.8	3.7	4.8	2.2	6.6	6.9	6.6	6.1	6.7	7.0	5.5	6.2	6.9	7.2	7.6	5.5	6.8
* SHENANDOAH	5.5	5.9	4.9	6.6	5.6	6.7	5.6	2.9	4.5	3.7	6.8	6.4	6.2	6.3	6.9	7.0	5.2	6.6	7.0	7.3	7.5	5.3	7.1
403	5.3	6.1	5.5	6.3	5.8	7.0	5.6	2.6	4.7	3.1	7.3	6.4	5.8	6.5	7.7	7.3	5.9	6.4	6.5	7.2	7.6	5.4	7.3
CAFA101	5.4	5.7	5.1	6.4	5.9	6.9	5.8	3.2	4.4	2.9	6.7	5.7	5.9	6.0	7.1	7.2	5.1	6.7	6.6	7.2	7.0	5.4	7.1
PST-5STB	5.4	7.1	4.7	6.3	5.3	7.3	6.1	2.3	4.5	2.8	5.8	6.4	5.5	5.9	7.7	7.1	6.0	6.3	6.4	7.0	7.6	5.4	6.9
PSTF-LF	5.4	6.4	4.9	6.6	5.6	7.1	5.6	3.7	4.9	3.3	7.0	5.3	5.6	5.9	7.1	7.2	5.4	6.2	6.5	7.0	7.3	5.4	6.8
* AVANTI	5.3	6.0	5.3	6.6	5.9	7.1	6.0	2.5	4.9	2.0	6.2	6.3	6.5	6.4	7.1	7.4	5.5	6.0	6.5	7.0	7.6	5.3	7.1
* FINELAWN 88	5.3	6.5	5.1	6.5	5.4	7.1	5.8	2.8	4.5	3.2	6.8	5.9	5.8	6.3	7.0	7.0	5.4	6.3	6.6	7.4	7.4	5.7	7.3
* AUSTIN	5.3	6.1	5.5	6.9	5.4	7.1	5.5	3.1	4.6	2.6	6.9	5.3	5.7	6.3	7.0	6.8	5.3	6.5	6.5	7.4	7.3	5.4	6.9
* KITTYHAWK	5.7	6.6	5.1	6.6	5.9	7.2	5.7	2.9	4.4	2.5	6.5	6.3	6.0	6.5	7.0	7.3	5.3	5.9	6.5	7.4	7.4	5.4	7.2
CAS-MA21	5.4	6.3	5.6	6.6	5.4	6.9	5.9	2.7	4.5	2.3	7.3	5.9	6.3	6.4	7.5	7.1	5.4	6.3	6.7	7.1	7.6	5.3	6.9
* BONSAI	5.4	7.4	4.8	6.4	6.1	7.3	6.0	1.9	4.2	2.6	6.2	6.7	6.5	6.0	7.4	6.7	6.3	6.3	5.8	6.8	7.8	5.2	7.0
* MONARCH	5.3	6.2	6.1	6.6	5.6	7.0	5.8	2.9	4.4	2.5	6.5	6.2	6.4	5.9	7.3	7.3	5.0	6.2	6.4	7.2	7.6	5.3	7.3
* OLYMPIC II	5.3	5.5	5.2	6.8	5.3	6.9	5.6	3.4	4.4	3.3	6.1	6.1	6.2	6.2	6.5	7.0	4.9	6.3	6.8	7.0	7.0	4.9	7.1
CAS-LA20	5.4	6.6	5.7	6.3	5.4	7.0	5.9	2.7	4.4	3.0	6.7	6.2	5.3	6.0	7.7	7.0	5.3	6.1	6.4	7.1	7.7	5.3	6.9
* AZTEC	5.3	6.3	5.8	6.7	5.6	7.0	5.9	2.3	4.7	2.6	7.1	1.8	6.1	6.0	6.9	7.1	5.3	6.2	6.3	6.9	7.5	6.0	7.1
BAR FA 214	5.3	6.9	5.6	6.5	5.7	7.5	5.6	2.1	4.7	1.9	6.5	5.9	6.5	6.1	7.0	6.8	4.9	6.2	5.9	7.1	7.2	5.3	7.5
* ASTRO 2000	5.1	6.2	5.4	6.4	5.2	7.0	5.3	3.0	4.5	3.4	6.3	5.4	5.6	6.0	6.3	7.4	4.9	6.2	6.5	7.2	7.1	5.3	6.8
* PHOENIX	5.3	5.7	5.5	6.5	5.6	6.4	5.4	3.5	4.6	3.4	6.5	5.1	6.1	6.0	6.4	7.1	4.8	6.3	7.1	7.5	7.0	4.8	6.9
* BONANZA	5.5	5.5	4.8	6.4	5.4	6.2	5.7	3.2	4.5	2.9	6.4	5.2	6.0	6.0	7.1	6.9	5.2	6.3	6.4	6.9	7.2	5.2	7.5
* ARID	5.4	5.1	5.4	6.5	5.1	5.9	5.4	4.4	4.3	2.7	5.8	4.2	5.9	5.9	6.1	7.0	4.3	6.1	6.4	7.0	6.5	4.7	7.1
* TWILIGHT	5.4	7.3	4.3	6.0	5.0	7.0	5.8	2.1	5.0	2.5	5.7	6.4	4.8	6.3	7.7	6.2	6.7	5.9	6.3	7.0	7.5	5.9	6.1
* FALCON	5.4	5.0	5.0	6.3	5.2	6.0	4.9	4.1	4.3	2.9	6.1	4.2	5.5	5.9	5.9	6.8	4.3	6.3	6.2	7.0	5.8	4.2	6.7
* ANTHEM	5.3	4.7	5.2	6.3	5.0	5.8	5.1	3.9	4.2	2.9	5.7	3.9	6.3	5.7	5.2	6.8	4.1	5.9	6.4	7.2	6.6	4.2	5.7
* KY-31 NO ENDO.	5.3	3.8	3.9	6.1	4.8	4.5	4.2	3.2	4.1	2.0	4.7	2.7	3.8	5.0	4.8	6.1	3.6	5.7	5.5	6.8	5.2	3.3	7.0
* KY-31 W/ENDO.	5.1	3.4	4.2	6.2	4.6	4.3	4.2	2.9	3.9	2.3	4.7	2.8	4.0	4.9	4.5	6.1	3.7	5.5	5.2	6.1	5.1	3.1	6.0
LSD VALUE	0.2	0.8	1.5	0.5	0.5	0.4	0.3	1.0	0.4	1.9	1.2	1.0	1.0	0.5	0.8	0.5	0.6	0.7	0.6	0.5	0.5	0.9	0.9

* COMMERCIALY AVAILABLE IN THE USA IN 1995.

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

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA
1994 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																					MEAN	
	MS1	NE1	NE2	NE3	NJ1	NJ2	NV1	NY1	PA1	PA2	RI1	SD1	SK1	TX1	UB1	UB2	VA1	VA4	VA6	VA8	WA1		WI1
JAGUAR 3 (ZPS-J3)	6.3	6.2	6.7	5.2	5.9	7.3	5.7	4.2	7.6	4.2	6.1	6.4	5.5	6.7	7.7	6.5	5.5	5.7	4.0	4.9	5.8	7.7	6.2
HOUNDG V (ISI-AFE)	6.4	6.5	6.5	5.7	6.1	7.0	6.0	4.6	7.8	4.3	5.8	5.5	5.1	6.9	7.8	6.6	5.7	5.7	3.7	5.2	5.7	7.5	6.1
ISI-AFA	6.3	6.9	6.1	4.4	5.8	6.9	5.6	3.3	7.9	4.2	5.9	6.1	5.5	6.5	7.8	6.7	5.7	5.6	3.4	4.9	5.6	7.3	6.1
FALCON II (MB-21-92)	6.3	6.7	6.3	5.6	5.5	6.0	6.2	4.3	6.9	4.2	6.3	6.0	5.7	6.8	7.8	6.4	5.7	5.6	4.0	5.2	5.4	7.6	6.1
SOUTHERN CHOICE (MB-25-92)	6.2	6.7	6.9	5.4	5.5	5.8	6.3	4.3	7.6	4.4	5.9	5.7	5.3	6.7	7.5	6.8	5.5	5.2	3.7	4.7	5.9	7.5	6.1
GEN-91	6.0	6.2	5.9	5.8	5.4	6.3	6.1	3.8	7.1	4.5	5.6	5.8	5.4	6.6	7.4	7.1	5.6	5.3	3.8	5.3	5.9	7.4	6.1
CROSSFIRE II (PICK 90-12)	6.3	5.6	6.1	4.6	6.2	6.0	5.9	3.6	7.0	4.1	6.0	6.0	5.4	6.7	7.8	6.5	5.8	5.3	3.3	4.5	5.6	7.5	6.1
COYOTE (ZPS-ML)	6.1	6.0	6.2	5.3	5.5	6.2	4.6	4.2	7.1	3.9	6.1	6.5	5.6	6.7	7.5	6.6	5.4	5.7	3.3	4.8	5.8	7.9	6.1
PST-5DX W/ENDOPHYTE	6.3	6.0	6.2	5.1	5.3	6.1	6.0	3.4	7.6	4.4	5.8	6.1	5.3	7.1	7.4	6.4	5.6	5.6	4.3	4.5	5.8	7.3	6.0
ATF-007	6.3	6.3	6.2	5.1	4.5	6.7	6.2	4.3	7.3	3.9	5.7	5.9	5.0	6.8	7.6	6.9	5.5	5.0	3.2	4.2	6.0	7.7	6.0
FINELAWN PETITE	6.1	6.6	7.2	5.4	4.6	5.6	5.5	3.3	7.1	4.4	6.0	5.5	5.4	7.0	7.2	7.0	5.1	5.4	3.6	5.4	6.0	7.8	6.0
PIXIE	6.2	5.5	6.1	5.3	5.5	6.0	5.9	4.6	7.6	4.2	5.9	5.1	5.0	7.0	7.6	6.3	5.4	4.9	3.6	4.5	5.8	7.6	6.0
MB-22-92	6.2	6.8	5.7	5.9	4.5	5.0	5.5	4.6	7.8	4.2	5.8	6.4	5.3	7.1	7.1	6.4	5.2	5.0	3.6	4.7	5.8	7.3	6.0
LANCER	6.3	6.6	6.8	5.0	5.1	6.0	6.4	2.7	6.9	4.1	6.0	5.9	5.2	6.7	7.3	6.5	5.2	5.6	3.5	4.6	6.0	7.3	6.0
REBEL, JR.	6.2	5.9	6.1	5.8	4.9	6.0	5.2	3.9	7.1	4.4	5.9	5.9	5.3	6.7	7.2	6.3	5.2	4.9	3.8	5.2	5.7	7.6	6.0
CORONADO (PST-RDG)	6.3	6.0	6.1	4.9	5.7	6.0	6.0	2.7	6.2	4.1	5.7	6.0	5.4	6.4	6.8	6.3	5.6	5.6	3.7	4.8	5.5	7.8	6.0
LEXUS	6.1	6.7	6.2	5.6	5.2	6.3	5.0	3.2	6.9	3.8	5.7	5.0	5.2	6.7	7.4	6.7	5.2	4.9	3.0	4.5	5.6	8.1	5.9
EMPRESS (ZPS-E2)	6.3	6.3	6.1	5.0	5.1	6.3	5.6	2.9	6.7	3.8	5.8	5.7	5.1	7.0	7.0	6.1	5.3	5.8	3.7	4.4	5.9	7.3	5.9
MARKSMAN (MB-23-92)	6.3	6.5	5.9	5.0	5.2	5.2	5.6	5.1	7.8	4.2	6.0	5.3	5.2	7.2	7.2	6.5	5.2	4.9	3.6	4.2	5.8	7.8	5.9
APACHE II (PST-59D)	6.3	5.7	6.0	4.4	4.7	5.9	6.0	3.7	7.3	4.2	5.8	5.1	5.8	6.7	7.2	6.3	5.7	5.4	3.6	4.7	5.6	7.5	5.9
PICK 90-10	6.4	6.1	6.3	4.6	4.8	5.5	5.5	3.2	7.5	4.2	6.0	5.9	5.4	6.5	7.5	6.6	5.3	5.6	2.9	4.6	5.6	7.5	5.9
PST-5FM	6.3	5.5	6.1	4.4	5.1	6.2	5.5	4.1	7.4	4.2	5.7	5.4	5.4	7.2	7.3	6.3	5.6	5.6	3.5	5.0	5.4	7.3	5.9
TOMAHAWK	5.7	5.3	5.8	5.0	4.2	5.7	5.5	4.3	7.4	4.2	5.7	6.1	5.7	6.7	7.4	6.3	5.4	4.8	4.3	4.7	5.5	7.8	5.9
GRANDE (SR 8400)	6.3	6.5	6.1	4.6	4.7	5.6	5.6	3.9	7.6	4.3	6.0	5.5	5.8	6.9	6.7	6.2	5.1	4.6	3.6	5.3	5.6	7.2	5.9
DEBUTANTE (WXI-208-2)	6.2	6.4	6.0	4.9	5.1	5.0	5.6	4.0	6.9	4.0	5.9	6.0	5.2	6.7	6.9	6.3	5.1	5.3	4.0	5.1	5.6	7.3	5.9
MICRO DD	6.3	6.0	5.8	4.7	5.0	5.6	5.7	4.2	6.9	4.2	6.0	6.0	5.1	6.9	7.2	6.4	5.0	5.0	3.8	4.4	5.3	7.0	5.9
PYRAMID (SIU-1)	6.1	6.0	6.0	4.9	4.0	5.1	5.7	4.0	7.2	4.3	6.0	6.2	5.1	6.8	7.3	6.3	5.0	4.5	4.2	4.9	5.4	7.7	5.9
DUSTER (ITR-90-2)	6.2	6.0	6.5	4.9	4.5	5.8	5.5	4.3	7.1	4.3	5.8	5.9	5.5	6.6	7.2	6.5	5.8	5.4	3.5	4.9	5.8	7.5	5.9
SR 8210	6.3	6.4	6.3	5.2	4.4	5.4	6.2	4.9	6.9	4.3	6.0	5.8	5.6	7.0	7.0	6.4	5.4	4.7	3.4	4.7	5.9	7.6	5.9
GAZELLE (ZPS-VL)	6.2	6.1	6.1	6.6	4.7	5.4	4.5	4.1	7.1	4.0	5.5	5.9	5.0	6.3	6.9	5.9	5.7	5.4	3.8	4.9	6.0	8.0	5.9
STARLET (MB-24-92)	6.3	6.1	6.7	5.4	4.4	4.6	5.4	3.3	7.3	4.1	6.0	5.9	5.4	6.7	7.0	6.4	5.3	5.3	3.8	4.3	5.6	7.3	5.9
VIRTUE	6.2	6.0	5.1	5.6	5.1	5.6	5.8	3.8	7.2	4.3	5.7	5.1	5.3	7.0	6.8	6.3	5.3	4.9	3.8	5.1	5.7	7.6	5.9
TITAN 2 (SR 8010)	6.3	6.1	6.3	5.1	4.5	5.9	5.7	4.8	7.2	4.6	5.9	6.4	5.0	6.9	6.8	6.1	5.1	5.1	4.2	5.0	5.0	7.0	5.8
FA-19	5.9	5.9	6.0	5.7	4.5	5.4	6.2	3.5	7.6	4.3	5.3	5.5	4.9	6.8	7.3	6.4	5.2	4.6	3.5	4.6	6.0	7.3	5.8
SILVERADO	6.0	6.3	6.5	5.0	4.7	5.3	5.0	4.0	6.9	4.2	5.3	6.1	5.3	6.7	6.9	6.2	5.5	4.8	3.0	4.6	5.4	7.2	5.8
MONTAUK	6.1	5.9	5.8	5.7	4.3	5.0	6.6	4.3	7.6	4.2	5.7	5.3	5.4	6.6	7.1	6.0	5.2	5.2	3.7	4.5	5.7	7.2	5.8
PALISADES (OFI-TF-601)	6.3	5.8	5.9	5.0	4.6	5.3	5.7	4.4	7.4	4.3	6.0	5.6	5.7	6.6	7.1	6.2	5.4	5.1	3.5	4.8	5.6	7.3	5.8
PST-5LX	6.0	5.9	6.1	4.7	4.7	5.8	5.9	3.7	7.2	4.2	5.8	6.1	6.0	6.0	7.0	6.4	5.4	4.7	3.5	5.0	5.7	7.8	5.8
REBEL 3D	6.0	6.2	6.1	5.3	4.4	5.6	5.7	3.2	6.6	4.4	6.3	5.5	5.6	6.5	7.1	6.5	4.8	4.8	3.7	4.6	5.3	7.2	5.8
NINJA (ATF-006)	5.6	6.4	6.1	4.6	4.4	5.3	5.2	3.4	7.2	4.1	5.8	5.9	5.3	6.3	7.5	6.7	5.1	4.4	3.5	4.2	6.1	7.7	5.8
PST-5VC	6.0	6.4	5.5	5.3	4.3	6.0	5.5	4.1	7.3	4.2	5.8	5.8	4.9	6.2	7.5	6.8	5.7	5.2	4.2	4.4	5.5	7.4	5.8
DUKE	6.3	6.0	6.2	4.8	4.8	5.1	5.6	3.8	7.4	4.2	6.0	5.8	5.9	6.4	7.1	6.1	5.4	4.8	3.9	4.6	5.7	7.6	5.8
ADOBE (SFL)	6.4	6.0	6.0	4.8	5.1	5.4	5.6	3.1	7.0	4.0	5.9	5.7	5.2	6.7	6.9	6.3	5.1	5.7	3.7	5.3	5.5	7.3	5.8
GUARDIAN	6.2	6.2	6.2	5.5	4.4	5.5	5.7	3.3	7.1	4.3	5.6	5.3	5.2	6.5	6.7	5.8	5.2	4.9	3.8	5.0	5.4	7.3	5.8
CHIEFTAIN II (PICK CII)	5.9	5.9	6.3	4.4	4.8	5.2	5.1	4.4	6.6	4.3	6.0	5.5	4.9	6.9	7.2	6.3	5.0	5.3	3.7	4.7	5.4	7.2	5.8
BONSAI PLUS	6.3	5.9	6.3	4.8	4.3	5.3	5.7	2.9	6.9	4.1	5.7	5.0	5.0	6.9	6.5	6.1	4.9	4.9	4.0	5.3	5.7	7.3	5.8
SR 8200	6.3	5.9	5.8	4.5	4.9	5.1	5.2	4.0	6.8	4.3	5.9	5.7	5.4	6.7	6.8	6.1	5.4	4.8	3.1	5.2	5.5	7.2	5.8
BAR FA 0855	5.9	5.5	6.0	5.6	4.6	4.9	6.0	4.5	7.6	4.4	6.0	6.2	4.5	6.9	6.8	6.2	4.8	4.2	3.7	4.9	5.6	7.0	5.8
TRAILBLAZER II	6.0	6.1	5.8	5.1	4.6	5.3	5.9	3.5	6.6	4.1	5.6	5.6	5.0	6.9	7.3	5.7	5.0	5.0	4.2	5.1	5.4	7.7	5.8

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA
1994 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MS1	NE1	NE2	NE3	NJ1	NJ2	NV1	NY1	PA1	PA2	RI1	SD1	SK1	TX1	UB1	UB2	VA1	VA4	VA6	VA8	WA1	WI1	MEAN
SHORTSTOP (PICK 90-06)	6.2	5.6	6.5	5.4	4.8	5.0	5.7	2.9	6.5	3.9	5.7	5.8	5.2	6.9	7.3	6.3	5.4	4.8	3.0	4.4	5.6	7.2	5.8
VEGAS	5.9	5.8	6.2	4.9	5.1	5.9	5.6	4.8	7.0	3.8	5.7	5.5	5.6	6.7	6.9	5.9	5.1	4.8	3.7	4.3	5.7	6.8	5.8
ELDORADO	6.0	6.3	6.0	3.8	4.6	5.5	5.8	4.2	6.2	4.3	5.4	6.1	5.2	7.0	6.8	6.4	4.8	4.8	3.8	4.8	5.6	7.5	5.8
COCHISE	6.1	5.7	5.5	4.6	5.0	4.8	5.6	3.6	6.7	4.4	5.7	5.2	5.2	7.1	6.6	6.3	5.0	5.0	4.0	4.1	5.4	7.5	5.8
FA-22	6.3	5.9	6.0	5.6	3.8	5.4	5.9	4.4	7.9	4.3	6.1	5.0	5.4	7.1	7.0	6.2	5.0	5.1	3.9	4.3	5.2	7.2	5.8
ALAMO (J-1048)	6.2	5.7	6.1	4.8	4.5	5.5	6.1	3.3	6.5	3.7	6.1	5.7	5.6	6.3	6.9	6.1	5.2	5.0	4.0	5.0	5.1	7.3	5.8
PSTF-401	6.2	5.9	5.4	4.9	4.3	5.3	5.9	4.4	6.5	4.4	5.8	4.9	5.4	6.9	6.7	6.0	5.1	4.5	4.1	5.3	5.6	7.3	5.8
SAFARI	6.3	5.3	5.8	5.5	4.6	5.6	6.3	3.9	6.3	4.3	5.7	5.9	4.5	6.8	6.8	6.0	5.0	5.2	3.6	4.7	5.7	7.1	5.8
LEPRECHAUN	6.2	6.3	5.7	5.0	4.6	5.3	4.7	3.3	7.2	4.2	5.9	6.1	5.4	6.6	7.0	6.3	4.9	4.9	3.0	4.1	5.4	7.2	5.8
SR 8300	6.1	6.2	6.0	5.1	4.0	4.8	5.9	3.2	7.3	4.2	5.9	5.9	5.1	7.1	6.9	6.0	5.3	5.0	3.7	4.6	5.6	7.2	5.8
BAR FA 2AB	6.1	5.7	6.2	5.5	4.4	4.9	5.6	3.5	7.1	4.2	5.7	5.4	4.5	7.0	7.0	6.6	5.0	4.5	3.7	4.3	5.7	7.5	5.8
OFI-ATK (ISI-ATK)	6.4	6.2	6.1	4.2	4.9	5.1	5.8	4.1	7.2	4.3	5.7	6.0	4.7	7.1	6.9	5.8	4.9	4.9	4.2	4.5	5.4	7.4	5.8
PRO-9178	6.3	5.7	6.0	4.5	4.4	5.1	5.8	4.3	6.7	4.1	5.8	5.6	5.1	6.8	7.0	6.4	5.1	4.5	3.6	4.1	5.3	7.3	5.7
BONANZA II	6.3	5.1	6.0	4.7	3.8	5.1	6.3	4.3	6.9	4.0	5.8	4.9	5.4	6.9	7.0	6.1	5.0	5.0	3.9	4.6	5.4	7.1	5.7
ISI-CRC	6.3	6.0	6.0	4.6	4.3	4.5	5.4	4.7	6.9	4.4	5.6	5.7	4.9	7.2	6.9	5.8	4.8	5.1	3.5	5.4	5.1	7.8	5.7
MIRAGE (KWS-DSL)	6.1	5.7	5.7	5.0	4.6	5.3	6.0	3.4	6.7	4.2	5.9	6.0	5.5	6.4	7.0	6.0	5.1	4.3	3.5	4.2	5.3	7.2	5.7
PSTF-200	6.2	5.5	5.5	4.6	4.7	5.1	6.4	5.6	6.9	4.4	6.2	5.2	4.5	6.8	6.7	5.9	4.8	4.8	4.2	4.1	5.5	7.0	5.7
M-2	6.2	5.8	5.2	4.5	4.4	5.3	5.9	4.6	6.6	4.3	6.0	5.3	4.8	6.6	6.7	6.0	5.0	5.0	4.2	5.0	5.5	6.8	5.7
SHENANDOAH	6.2	6.4	5.3	5.3	4.8	4.6	6.0	4.3	6.5	4.3	5.3	5.5	5.0	6.9	6.8	6.0	5.1	5.0	4.0	4.9	5.4	7.0	5.7
403	6.3	5.5	5.3	4.6	4.9	5.1	5.0	4.1	6.6	4.2	5.9	4.8	5.2	6.9	6.8	6.1	4.9	4.9	4.0	4.6	5.2	7.0	5.7
CAFA101	6.3	5.8	5.9	5.1	4.3	5.0	5.5	4.4	6.9	4.4	6.1	5.9	5.1	7.1	6.5	5.7	5.3	5.0	4.3	4.8	5.3	6.8	5.7
PST-5STB	5.6	6.2	6.3	4.9	4.1	4.6	6.0	4.5	6.4	4.3	5.4	5.8	5.3	6.7	6.7	5.9	5.1	4.7	3.5	4.9	5.6	7.8	5.7
PSTF-LF	6.2	5.4	5.5	4.8	3.9	4.9	5.8	4.7	6.4	4.2	5.8	5.2	5.0	7.1	6.8	5.4	5.0	4.8	4.0	5.3	5.4	6.9	5.7
AVANTI	6.2	5.3	5.5	5.2	4.2	4.9	5.3	3.5	7.4	4.2	6.0	5.8	5.0	6.2	6.7	6.1	5.0	4.5	3.8	4.5	5.6	7.1	5.7
FINELAWN 88	6.0	5.7	5.9	4.4	4.0	4.8	6.0	3.0	6.7	4.2	6.1	6.1	4.8	6.4	6.5	6.0	4.7	5.0	4.0	4.6	5.1	7.0	5.7
AUSTIN	6.2	5.9	5.7	4.4	4.3	5.2	6.2	4.8	6.5	4.2	5.7	5.3	5.1	6.9	6.3	5.7	4.9	4.9	4.2	4.4	5.5	6.9	5.7
KITTYHAWK	6.2	5.3	5.5	4.2	3.8	4.6	6.1	4.3	6.6	4.2	5.9	5.6	4.5	6.9	6.7	5.7	5.0	4.9	4.1	4.4	5.6	7.0	5.7
CAS-MA21	6.1	5.1	5.7	4.8	3.6	4.8	6.1	2.4	7.2	3.9	6.2	5.6	5.0	6.8	6.8	5.7	4.9	4.6	3.8	5.0	5.4	7.3	5.6
BONSAI	6.1	6.7	6.5	5.1	4.4	4.5	4.9	2.6	6.7	3.9	5.6	6.0	4.5	7.0	6.8	6.3	4.6	5.0	3.3	4.0	5.7	6.7	5.6
MONARCH	6.3	5.7	5.5	4.3	3.8	4.6	5.9	3.8	6.9	4.3	5.0	5.7	4.7	6.7	6.8	5.9	5.0	4.8	3.9	4.3	5.5	7.1	5.6
OLYMPIC II	6.2	5.9	5.1	4.6	3.4	4.1	5.8	5.1	6.5	4.6	5.9	6.0	4.8	7.0	6.5	5.3	4.6	4.8	4.9	5.3	5.4	7.0	5.6
CAS-LA20	6.1	5.7	6.3	4.7	4.2	4.6	5.2	2.8	7.3	4.1	5.5	5.4	4.9	6.4	6.3	6.1	4.7	4.4	3.7	4.5	5.4	7.2	5.6
AZTEC	5.8	5.3	5.7	4.1	4.4	5.1	5.6	3.8	7.1	4.2	6.2	5.8	5.2	6.5	7.2	6.3	5.1	4.4	3.6	4.9	5.5	7.1	5.6
BAR FA 214	6.2	6.1	5.6	4.7	3.9	5.1	5.2	4.1	6.6	4.2	5.5	5.4	5.4	7.1	6.8	5.8	5.2	4.1	3.2	4.4	5.2	6.8	5.6
ASTRO 2000	6.2	6.3	5.2	5.1	4.3	4.1	5.4	5.4	6.7	4.3	6.0	5.8	4.7	6.5	6.3	5.6	4.5	4.8	4.3	4.6	5.0	6.7	5.6
PHOENIX	6.2	5.6	5.2	4.5	4.5	4.6	4.9	4.8	6.6	4.4	5.9	5.6	4.4	7.2	6.3	5.3	4.8	5.1	4.2	4.4	5.2	6.7	5.5
BONANZA	6.1	5.4	5.8	4.7	3.5	4.5	6.1	4.6	6.7	4.2	5.4	5.2	5.3	6.8	6.3	5.9	4.8	4.5	4.3	4.3	5.3	6.8	5.5
ARID	6.0	5.6	6.0	5.0	3.1	3.7	5.3	4.1	6.1	4.4	5.8	6.1	4.6	7.0	6.0	5.0	4.7	4.3	4.2	4.7	5.2	6.5	5.3
TWILIGHT	5.3	5.5	5.5	3.9	3.3	3.6	5.9	2.8	4.4	4.1	5.9	5.0	4.5	6.7	6.2	5.6	3.8	4.3	3.4	4.3	4.7	7.6	5.3
FALCON	5.9	5.1	5.4	4.2	3.2	3.1	5.9	3.7	6.1	4.3	5.1	5.3	5.0	6.7	5.6	5.0	4.2	4.3	3.4	5.1	5.0	6.4	5.2
ANTHEM	5.5	5.7	5.3	4.6	2.7	2.9	5.7	4.2	5.5	4.4	5.6	4.8	4.1	6.7	5.3	4.6	4.2	4.3	4.3	4.4	4.8	7.0	5.1
KY-31 NO ENDO.	5.2	4.1	4.5	3.2	2.2	1.9	5.2	3.4	4.5	4.4	3.5	5.5	4.4	6.6	4.3	4.0	3.6	3.7	4.5	4.5	4.4	5.6	4.4
KY-31 W/ENDO.	5.3	3.7	4.3	3.3	2.3	2.0	4.4	4.4	4.3	4.4	3.6	5.2	4.0	6.5	4.3	4.0	3.6	3.7	4.4	4.2	4.3	5.5	4.3
LSD VALUE	0.3	1.1	1.0	1.1	0.8	0.8	1.1	1.4	1.0	0.4	0.6	0.8	0.5	0.6	0.5	0.5	0.4	0.8	1.2	1.0	0.5	0.6	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 2.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA
1994 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	
JAGUAR 3 (ZPS-J3)	6.1	6.3	5.7	6.0	6.2	6.2	6.2	6.3	6.3	6.4	6.2	6.0	6.2
HOUND OG V (ISI-AFE)	5.8	6.0	5.8	5.6	6.2	6.1	6.0	6.2	6.4	6.2	6.2	6.0	6.1
ISI-AFA	6.0	6.0	5.7	6.0	6.3	6.0	6.0	6.1	6.3	6.3	6.2	6.0	6.1
FALCON II (MB-21-92)	6.0	5.9	5.7	5.9	6.3	6.1	5.8	6.2	6.3	6.3	6.3	6.0	6.1
SOUTHERN CHOICE (MB-25-92)	5.8	5.9	5.8	6.0	6.2	6.1	5.9	6.1	6.3	6.2	6.1	5.8	6.1
GEN-91	5.9	5.8	5.6	5.9	6.3	6.1	5.9	6.0	6.3	6.3	6.2	5.6	6.1
CROSSFIRE II (PICK 90-12)	5.9	6.1	5.8	5.8	6.2	6.1	6.0	6.1	6.3	6.2	6.1	6.0	6.1
COYOTE (ZPS-ML)	5.8	6.0	5.5	5.7	6.3	6.1	5.8	6.0	6.3	6.2	6.1	6.0	6.1
PST-5DX W/ENDOPHYTE	6.3	6.2	5.9	5.8	6.0	6.0	6.0	6.0	6.3	6.2	6.1	6.0	6.0
ATF-007	6.1	6.1	5.9	5.8	6.3	6.1	5.9	5.9	6.2	6.1	6.1	5.8	6.0
FINELAWN PETITE	5.9	6.0	5.6	5.8	6.3	6.1	5.7	5.9	6.2	6.1	6.1	5.9	6.0
PIXIE	5.9	6.0	5.6	5.7	6.1	6.0	5.9	5.9	6.2	6.1	6.1	6.1	6.0
MB-22-92	5.8	6.1	5.6	5.6	6.1	6.1	5.8	5.9	6.3	6.2	6.0	5.7	6.0
LANCER	5.9	6.2	5.8	5.9	6.2	6.0	5.7	5.9	6.2	6.1	6.1	5.9	6.0
REBEL, JR.	5.9	6.3	5.7	5.8	6.1	5.9	5.8	5.9	6.2	6.1	6.1	5.8	6.0
CORONADO (PST-RDG)	5.9	5.9	5.5	5.9	6.2	6.0	5.7	5.8	6.2	6.2	6.2	6.1	6.0
LEXUS	5.7	5.8	5.5	5.7	6.2	6.0	5.8	5.8	6.1	6.1	6.0	5.7	5.9
EMPRESS (ZPS-E2)	5.9	6.1	5.8	5.7	6.1	5.8	5.8	5.9	6.2	6.1	6.1	5.9	5.9
MARKSMAN (MB-23-92)	5.9	6.0	5.7	5.5	6.1	6.0	5.8	5.9	6.2	6.1	5.8	5.7	5.9
APACHE II (PST-59D)	6.0	6.0	5.6	5.8	6.1	6.0	5.8	5.9	6.1	6.1	6.1	5.9	5.9
PICK 90-10	5.7	5.9	5.5	5.7	6.1	6.1	5.8	5.9	6.1	6.0	6.0	5.8	5.9
TOMAHAWK	6.0	5.9	5.6	5.8	6.1	5.9	5.8	5.8	6.1	6.1	6.0	5.7	5.9
PST-5PM	5.9	5.9	5.7	5.6	6.1	5.8	5.8	6.0	6.1	6.1	6.2	5.8	5.9
GRANDE (SR 8400)	5.9	5.8	5.7	5.7	6.0	5.8	5.7	5.9	6.1	6.0	6.0	5.7	5.9
DEBUTANTE (WXI-208-2)	6.0	6.0	5.6	5.7	6.0	5.9	5.7	5.9	6.1	6.0	6.0	5.9	5.9
MICRO DD	6.0	6.0	5.7	5.8	6.1	6.0	5.8	5.9	6.0	6.0	6.0	5.8	5.9
PYRAMID (SIU-1)	5.9	6.1	5.8	5.7	6.0	5.9	5.8	5.9	6.1	6.0	6.1	5.7	5.9
DUSTER (ITR-90-2)	5.9	6.0	5.6	5.7	6.2	6.0	5.6	5.8	6.1	6.1	6.0	5.7	5.9
SR 8210	5.9	6.0	5.7	5.7	6.2	5.9	5.7	5.8	6.1	5.9	6.0	5.7	5.9
GAZELLE (ZPS-VL)	5.9	5.9	5.4	5.7	6.2	5.8	5.6	5.8	6.1	6.1	6.0	5.8	5.9
STARLET (MB-24-92)	5.9	5.9	5.5	5.7	6.1	5.9	5.6	5.8	6.1	6.0	6.0	5.9	5.9
VIRTUE	5.9	6.1	5.5	5.4	6.0	5.9	5.7	5.8	6.0	6.1	6.0	5.7	5.9
TITAN 2 (SR 8010)	6.0	6.1	5.8	5.7	5.9	5.8	5.7	5.7	6.0	5.9	6.0	5.7	5.8
FA-19	5.8	6.1	5.8	5.6	5.9	5.8	5.7	5.8	6.1	6.0	6.1	5.6	5.8
SILVERADO	5.9	6.0	5.5	5.7	6.0	5.9	5.8	5.6	6.0	5.9	5.9	5.8	5.8
MONTAUK	6.0	6.1	5.6	5.7	5.9	5.9	5.8	5.7	6.1	5.9	5.9	5.7	5.8
PALISADES (OFI-TF-601)	5.8	5.9	5.6	5.7	6.1	5.8	5.6	5.8	6.0	6.0	5.9	5.6	5.8
PST-5LX	5.8	5.9	5.5	5.7	6.3	5.9	5.6	5.7	5.9	6.0	5.9	5.6	5.8
REBEL 3D	5.8	5.9	5.6	5.7	6.0	5.8	5.7	5.9	5.9	5.9	6.1	5.7	5.8
NINJA (ATF-006)	5.5	5.7	5.4	5.6	6.0	6.0	5.7	5.6	6.0	6.0	5.9	5.7	5.8
DUKE	6.0	6.1	5.6	5.7	5.9	5.8	5.6	5.8	5.9	6.0	5.9	5.7	5.8
ADOBE (SFL)	5.9	5.8	5.8	5.7	5.9	5.9	5.6	5.7	6.0	5.9	6.1	6.0	5.8
PST-5VC	5.8	5.9	5.4	5.6	6.0	5.7	5.5	5.7	6.1	6.2	6.0	5.6	5.8
GUARDIAN	6.0	6.2	5.8	5.7	5.9	5.7	5.6	5.8	5.9	5.9	5.9	5.7	5.8
CHIEFTAIN II (PICK CII)	5.8	5.9	5.7	5.7	6.0	5.8	5.7	5.7	5.9	5.8	6.0	5.7	5.8
BONSAI PLUS	5.9	5.7	5.6	5.6	6.0	5.8	5.6	5.7	5.9	6.0	6.3	5.9	5.8
SR 8200	6.0	6.1	5.8	5.6	5.9	5.8	5.6	5.9	5.9	5.9	6.0	5.9	5.8
BAR FA 0855	6.1	6.1	5.7	5.5	5.8	5.9	5.7	5.8	5.9	5.9	5.9	5.5	5.8
TRAILBLAZER II	5.9	6.0	5.6	5.5	5.9	5.8	5.6	5.7	6.0	6.0	5.9	5.7	5.8

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA
1994 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
SHORTSTOP (PICK 90-06)	5.8	5.9	5.5	5.6	6.0	5.9	5.6	5.6	5.9	6.0	5.9	5.8	5.8
VEGAS	5.7	5.8	5.7	5.6	6.1	5.9	5.6	5.7	5.9	5.8	5.8	5.6	5.8
ELDORADO	5.9	6.1	5.7	5.8	6.0	5.8	5.5	5.7	5.9	5.9	6.1	5.8	5.8
COCHISE	5.9	6.0	5.8	5.8	5.9	5.8	5.6	5.7	5.9	5.9	6.0	5.9	5.8
FA-22	5.9	6.0	5.7	5.6	5.9	5.8	5.6	5.7	6.0	6.0	5.9	5.5	5.8
ALAMO (J-1048)	6.0	6.1	5.8	5.6	5.8	5.8	5.6	5.7	6.0	5.9	6.0	5.7	5.8
ESTF-401	6.0	6.1	5.7	5.6	5.7	5.8	5.6	5.8	5.8	5.9	6.1	5.8	5.8
SAFARI	5.9	6.2	5.9	5.5	5.7	5.7	5.7	5.8	6.0	5.9	6.1	5.7	5.8
LEPRECHAUN	6.0	6.0	5.7	5.5	6.0	5.8	5.7	5.6	5.9	5.8	5.7	5.6	5.8
SR 8300	5.9	6.1	5.7	5.6	6.0	5.8	5.6	5.7	5.8	5.9	6.0	5.7	5.8
BAR FA 2AB	5.9	5.9	5.7	5.5	5.9	5.8	5.6	5.6	6.0	5.9	6.0	5.8	5.8
OFI-ATK (ISI-ATK)	6.0	6.4	6.0	5.5	5.7	5.7	5.7	5.8	5.9	5.9	5.9	5.6	5.8
PRO-9178	5.9	6.1	5.7	5.7	6.0	5.8	5.5	5.7	5.8	5.8	5.9	5.6	5.7
BONANZA II	6.1	6.3	5.9	5.7	5.8	5.7	5.6	5.7	5.9	5.8	6.0	5.7	5.7
ISI-CRC	5.9	6.0	5.7	5.4	5.7	5.8	5.7	5.8	5.9	5.8	6.0	5.7	5.7
MIRAGE (KWS-DSL)	5.9	6.1	5.5	5.6	5.9	5.8	5.8	5.6	5.8	5.9	5.8	5.6	5.7
ESTF-200	5.9	6.0	5.9	5.5	5.6	5.7	5.7	5.7	5.9	5.8	6.0	5.8	5.7
M-2	5.9	6.1	5.6	5.6	5.9	5.8	5.7	5.6	5.8	5.8	6.0	5.7	5.7
SHENANDOAH	6.1	6.1	5.6	5.5	5.8	5.7	5.6	5.7	6.0	5.9	6.0	5.7	5.7
403	5.9	6.1	5.6	5.5	5.8	5.8	5.6	5.6	5.9	5.8	5.9	5.7	5.7
CAFA101	6.0	6.1	5.8	5.6	5.8	5.7	5.6	5.7	5.8	5.6	5.8	5.7	5.7
EST-5STB	5.8	6.1	5.6	5.5	5.9	5.8	5.5	5.4	5.8	5.9	5.9	5.7	5.7
ESTF-LF	6.0	6.1	5.7	5.6	5.7	5.6	5.6	5.7	5.7	5.7	6.1	5.6	5.7
AVANTI	5.7	5.9	5.5	5.5	5.7	5.8	5.6	5.6	5.9	5.9	5.9	5.4	5.7
FINELAWN 88	5.8	6.1	5.7	5.5	5.8	5.7	5.6	5.6	5.7	5.7	6.0	5.8	5.7
KITTYHAWK	5.9	6.1	5.7	5.5	5.8	5.8	5.5	5.5	5.8	5.7	6.0	5.8	5.7
AUSTIN	5.9	6.2	5.8	5.5	5.7	5.8	5.5	5.6	5.8	5.7	5.9	5.6	5.7
CAS-MA21	5.7	5.9	5.7	5.5	5.8	5.7	5.5	5.6	5.7	5.8	5.9	5.6	5.6
MONARCH	6.0	6.1	5.7	5.5	5.7	5.7	5.5	5.6	5.7	5.8	5.8	5.6	5.6
BONSAI	5.7	5.6	5.3	5.4	5.9	5.8	5.5	5.4	5.9	5.7	5.8	5.6	5.6
CAS-LA20	5.9	5.9	5.4	5.4	5.7	5.6	5.5	5.6	5.7	5.8	5.8	5.6	5.6
OLYMPIC II	6.0	6.3	5.7	5.4	5.6	5.6	5.5	5.6	5.8	5.8	6.0	5.7	5.6
AZTEC	5.9	6.1	5.5	5.5	5.6	5.5	5.4	5.6	5.8	5.8	6.0	5.6	5.6
BAR FA 214	6.1	6.3	5.5	5.5	5.7	5.6	5.4	5.6	5.7	5.6	5.9	5.6	5.6
ASTRO 2000	5.8	5.8	5.4	5.2	5.5	5.5	5.5	5.6	5.7	5.7	6.0	5.7	5.6
PHOENIX	5.8	6.0	5.5	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.9	5.6	5.5
BONANZA	5.9	6.0	5.7	5.5	5.6	5.4	5.3	5.5	5.7	5.7	5.7	5.5	5.5
ARID	6.1	6.1	5.4	5.1	5.2	5.4	5.3	5.3	5.5	5.5	5.8	5.4	5.3
TWILIGHT	5.4	5.4	5.2	5.2	5.5	5.4	5.2	5.2	5.4	5.4	5.7	5.4	5.3
FALCON	5.7	6.1	5.4	5.0	5.2	5.2	5.0	5.1	5.1	5.2	5.7	5.4	5.2
ANTHEM	5.9	6.0	5.3	4.9	4.9	5.2	4.9	5.1	5.1	5.1	5.5	5.1	5.1
KY-31 NO ENDO.	5.2	5.1	5.2	4.5	4.5	4.4	4.4	4.3	4.3	4.3	5.0	4.6	4.4
KY-31 W/ENDO.	5.0	5.0	4.9	4.3	4.3	4.4	4.3	4.3	4.3	4.3	4.8	4.6	4.3
LSD VALUE	0.5	0.6	0.7	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA 1/
1994 DATA

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

NAME	AL1	AR1	AR2	AZ1	BC1	CA1	CA3	DC1	GA1	GA2	IL1	IL2	IN1	KS1	KS2	KY1	MA1	MD1	MI1	MO1	MO2	MO3	MO4
JAGUAR 3 (ZPS-J3)	26.0	51.5	2.0	30.0	56.5	4.5	46.5	2.0	46.0	42.0	4.0	3.0	31.0	43.0	4.0	3.5	31.5	2.0	1.5	4.5	23.5	44.5	18.0
HOUNDG V (ISI-AFE)	26.0	16.0	61.5	37.5	41.5	58.5	32.5	52.5	39.5	42.0	1.0	12.5	75.0	27.0	25.5	1.5	18.5	9.0	16.0	92.0	3.0	8.0	38.5
ISI-AFA	26.0	33.5	4.5	14.0	27.5	39.5	11.5	64.0	1.0	10.5	17.0	27.5	25.5	5.5	1.0	5.5	16.0	9.0	22.5	4.5	6.0	50.0	35.5
FALCON II (MB-21-92)	61.0	59.5	27.0	56.0	49.0	33.0	5.0	48.0	21.5	30.5	45.5	6.0	21.0	3.5	16.0	44.0	26.0	1.0	78.0	60.0	16.5	3.0	33.0
SOUTHERN CHOICE (MB-25-92)	44.5	38.0	34.5	37.5	25.0	2.0	11.5	64.0	30.0	22.5	34.0	1.0	14.0	51.5	2.5	13.0	7.5	19.0	73.0	39.0	31.5	12.0	87.0
GEN-91	81.5	23.5	4.5	83.5	80.0	65.5	20.5	69.0	52.5	68.0	17.0	12.5	36.5	1.0	11.0	34.5	2.0	9.0	6.0	10.5	3.0	8.0	15.5
CROSSFIRE II (PICK 90-12)	44.5	9.5	6.0	17.5	17.0	14.0	11.5	82.0	14.0	13.0	4.0	21.0	6.0	5.5	2.5	3.5	7.5	37.5	29.5	23.0	1.0	2.0	78.0
COYOTE (ZPS-ML)	53.5	1.0	68.0	1.5	17.0	19.5	20.5	52.5	11.0	37.0	7.5	21.0	46.5	23.0	11.0	34.5	2.0	53.0	86.5	39.0	31.5	47.0	9.0
PST-5DX W/ENDOPHYTE	37.0	38.0	31.0	8.0	56.5	19.5	11.5	40.5	9.0	30.5	17.0	14.0	25.5	43.0	44.5	15.0	43.5	81.5	9.0	87.0	10.0	6.0	42.5
ATF-007	53.5	5.5	61.5	45.0	1.0	4.5	1.5	85.0	3.0	22.5	48.0	31.0	25.5	31.5	7.0	27.0	36.5	37.5	16.0	71.0	42.0	1.0	28.5
FINELAWN PETITE	32.0	20.5	39.0	49.5	70.5	48.0	6.5	44.5	14.0	10.5	72.5	37.0	10.0	43.0	18.5	24.5	21.0	37.5	1.5	80.0	31.5	34.0	12.5
PIXIE	7.0	26.0	80.5	56.0	23.0	24.0	20.5	19.5	17.0	27.0	34.0	11.0	87.0	74.0	11.0	24.5	12.0	19.0	16.0	23.0	10.0	10.5	1.0
MB-22-92	44.5	66.5	1.0	56.0	23.0	10.0	46.5	61.5	6.5	60.5	38.0	18.5	73.0	7.5	61.0	10.5	36.5	3.0	16.0	46.5	42.0	15.0	23.0
LANCER	14.5	3.5	88.0	30.0	11.5	7.0	50.0	55.0	76.5	32.5	12.0	25.5	7.0	36.0	18.5	13.0	22.5	19.0	38.0	32.5	31.5	19.0	63.5
REBEL, JR.	26.0	23.5	23.0	13.0	36.5	39.5	40.0	58.0	30.0	25.0	56.5	34.5	5.0	36.0	22.0	64.0	34.0	19.0	38.0	1.0	6.0	31.0	10.0
CORONADO (PST-RDG)	53.5	7.0	9.0	61.0	56.5	10.0	40.0	92.0	4.0	3.5	63.0	3.0	64.5	14.0	11.0	48.5	4.0	53.0	77.0	23.0	3.0	10.5	15.5
LEXUS	88.5	5.5	20.5	4.5	7.5	61.0	1.5	43.0	24.5	90.0	23.5	5.0	90.0	2.0	11.0	1.5	5.0	69.0	57.5	2.0	31.5	14.0	20.0
EMPRESS (ZPS-E2)	67.0	13.0	12.0	37.5	4.0	14.0	32.5	77.5	14.0	64.5	12.0	10.0	64.5	63.5	5.5	8.0	39.5	37.5	38.0	39.0	16.5	17.0	6.5
MARKSMAN (MB-23-92)	26.0	38.0	13.5	17.5	11.5	82.0	11.5	89.0	52.5	83.5	41.0	8.0	34.0	70.0	11.0	44.0	24.0	19.0	81.5	53.0	16.5	13.0	63.5
APACHE II (PST-59D)	32.0	13.0	87.0	37.5	17.0	30.0	46.5	69.0	6.5	27.0	69.0	7.0	79.0	7.5	36.5	8.0	9.5	81.5	57.5	4.5	10.0	4.5	42.5
PICK 90-10	64.5	3.5	68.0	80.5	2.5	19.5	52.5	79.0	62.5	16.0	43.0	23.5	68.5	9.0	25.5	52.0	9.5	37.5	81.5	4.5	23.5	34.0	38.5
PST-5PM	37.0	54.5	28.5	8.0	17.0	58.5	52.5	69.0	57.5	40.0	12.0	53.0	59.5	51.5	5.5	17.0	22.5	19.0	29.5	28.0	54.0	40.5	28.5
TOMAHAWK	37.0	20.5	9.0	8.0	27.5	28.0	11.5	69.0	34.5	56.5	7.5	21.0	25.5	63.5	22.0	34.5	29.0	69.0	57.5	39.0	23.5	57.0	44.5
GRANDE (SR 8400)	81.5	44.0	7.0	68.5	62.5	84.0	27.0	16.5	39.5	2.0	2.0	47.5	51.5	14.0	36.5	10.5	78.0	37.5	29.5	23.0	62.0	84.5	81.5
DEBUTANTE (WXI-208-2)	44.5	29.0	56.5	66.5	70.5	31.0	20.5	30.0	24.5	16.0	30.5	3.0	18.0	43.0	25.5	27.0	47.5	53.0	81.5	18.0	42.0	44.5	69.5
MICRO DD	19.5	17.5	77.0	11.5	56.5	6.0	32.5	30.0	30.0	54.0	38.0	41.5	14.0	18.5	50.5	44.0	18.5	4.5	29.5	15.0	42.0	19.0	33.0
PYRAMID (SIU-1)	81.5	63.5	3.0	8.0	7.5	8.0	57.0	30.0	52.5	73.5	45.5	45.5	2.0	14.0	44.5	8.0	53.0	37.5	29.5	15.0	42.0	24.0	35.5
DUSTER (ITR-90-2)	69.0	17.5	43.0	71.5	49.0	14.0	20.5	75.0	65.5	86.5	51.0	41.5	44.0	70.0	30.0	27.0	14.0	53.0	67.0	39.0	16.5	68.5	3.0
SR 8210	85.0	33.5	49.0	64.5	21.0	46.0	32.5	40.5	19.0	83.5	27.5	47.5	40.5	51.5	36.5	44.0	66.0	53.0	73.0	46.5	42.0	68.5	56.5
GAZELLE (ZPS-VL)	2.5	8.0	49.0	61.0	87.0	3.0	46.5	82.0	46.0	91.0	86.0	16.0	56.0	18.5	18.5	64.0	2.0	37.5	29.5	23.0	23.5	4.5	11.0
STARLET (MB-24-92)	53.5	42.0	58.5	21.5	41.5	24.0	40.0	69.0	24.5	22.5	27.5	25.5	83.5	89.0	11.0	64.0	34.0	19.0	43.0	39.0	16.5	24.0	4.0
VIRTUE	92.0	42.0	19.0	37.5	66.5	55.0	72.5	14.5	62.5	92.0	34.0	16.0	68.5	18.5	50.5	52.0	14.0	53.0	73.0	23.0	31.5	19.0	6.5
TITAN 2 (SR 8010)	74.5	74.5	23.0	68.5	11.5	71.5	81.0	7.0	83.0	37.0	77.0	45.5	64.5	27.0	83.0	52.0	87.0	19.0	6.0	60.0	42.0	31.0	81.5
FA-19	10.5	26.0	43.0	37.5	32.5	39.5	32.5	30.0	65.5	37.0	75.0	31.0	4.0	63.5	56.0	34.5	57.0	81.5	38.0	67.0	16.5	44.5	56.5
SILVERADO	44.5	20.5	77.0	80.5	41.5	39.5	57.0	73.0	2.0	8.5	30.5	34.5	3.0	58.0	36.5	5.5	70.5	69.0	16.0	15.0	31.5	44.5	52.0
MONTAUK	61.0	59.5	25.5	37.5	66.5	77.0	65.5	48.0	52.5	27.0	23.5	73.5	31.0	43.0	73.0	44.0	43.5	9.0	48.0	32.5	54.0	63.0	38.5
PALISADES (OFI-TF-601)	53.5	46.0	13.5	61.0	81.5	71.5	32.5	24.0	83.0	76.5	60.0	62.5	21.0	58.0	44.5	21.0	47.5	19.0	73.0	53.0	64.5	68.5	69.5
PST-5LX	37.0	26.0	80.5	45.0	49.0	65.5	20.5	61.5	39.5	64.5	41.0	33.0	82.0	67.5	22.0	21.0	29.0	69.0	86.5	76.0	54.0	24.0	56.5
REBEL 3D	74.5	29.0	49.0	17.5	41.5	55.0	27.0	64.0	21.5	44.5	60.0	64.5	11.0	10.5	18.5	68.0	31.5	69.0	16.0	76.0	10.0	28.0	44.5
NINJA (ATF-006)	85.0	13.0	74.0	21.5	27.5	17.0	3.5	82.0	60.0	12.0	77.0	44.0	8.5	51.5	44.5	34.5	11.0	37.5	29.5	60.0	23.5	53.5	69.5
PST-5VC	87.0	29.0	9.0	52.5	56.5	77.0	60.5	91.0	34.5	78.0	54.0	60.0	1.0	43.0	58.5	17.0	41.5	53.0	90.0	70.0	6.0	82.5	56.5
DUKE	61.0	59.5	28.5	17.5	27.5	55.0	46.5	19.5	46.0	56.5	23.5	76.0	44.0	74.0	50.5	34.5	46.0	53.0	81.5	60.0	54.0	84.5	87.0
ADOBE (SFL)	44.5	46.0	89.5	77.0	2.5	33.0	27.0	86.0	6.5	49.5	45.5	41.5	21.0	63.5	36.5	59.0	60.5	69.0	16.0	32.5	42.0	28.0	75.5
GUARDIAN	67.0	66.5	49.0	25.5	41.5	65.5	69.0	13.0	46.0	49.5	12.0	67.0	36.5	63.5	50.5	21.0	53.0	27.5	22.5	60.0	64.5	38.0	61.5
CHIEFTAIN II (PICK CII)	19.5	48.0	54.0	61.0	17.0	52.5	60.5	19.5	89.5	68.0	27.5	67.0	56.0	12.0	25.5	79.5	26.0	37.5	16.0	15.0	71.5	57.0	28.5
BONSAI PLUS	14.5	38.0	16.0	75.0	32.5	24.0	62.5	75.0	34.5	3.5	51.0	29.0	51.5	51.5	58.5	68.0	49.0	69.0	38.0	23.0	31.5	34.0	20.0
SR 8200	14.5	51.5	80.5	25.5	70.5	39.5	40.0	27.0	14.0	1.0	17.0	58.0	61.5	27.0	76.0	34.5	64.5	37.5	29.5	64.0	79.0	50.0	28.5
BAR FA 0855	26.0	73.0	49.0	49.5	49.0	33.0	46.5	58.0	39.5	56.5	56.5	23.5	36.5	74.0	36.5	59.0	60.5	53.0	81.5	53.0	74.5	31.0	33.0
TRAILBLAZER II	74.5	66.5	40.5	56.0	75.5	80.0	65.5	58.0	14.0	75.0	34.0	18.5	25.5	36.0	63.0	59.0	38.0	19.0	9.0	83.5	10.0	63.0	89.0

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA
1994 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	AL1	AR1	AR2	AZ1	BC1	CA1	CA3	DC1	GA1	GA2	IL1	IL2	IN1	KS1	KS2	KY1	MA1	MD1	MI1	MO1	MO2	MO3	MO4
SHORTSTOP (PICK 90-06)	9.0	2.0	71.5	86.5	41.5	10.0	11.5	87.0	85.0	16.0	51.0	9.0	80.5	23.0	30.0	21.0	34.0	86.5	73.0	90.0	23.5	74.0	23.0
VEGAS	88.5	31.0	58.5	49.5	36.5	39.5	65.5	48.0	60.0	89.0	41.0	49.5	51.5	3.5	50.5	83.5	26.0	81.5	38.0	39.0	31.5	28.0	85.0
ELDORADO	19.5	51.5	71.5	30.0	32.5	39.5	20.5	52.5	46.0	8.5	56.5	41.5	88.0	23.0	66.5	21.0	57.0	69.0	57.5	7.5	62.0	42.0	28.5
COCHISE	2.5	38.0	70.0	71.5	49.0	39.5	20.5	75.0	52.5	5.5	79.0	64.5	18.0	18.5	15.0	44.0	18.5	81.5	24.0	29.5	87.0	8.0	12.5
FA-22	85.0	9.5	45.0	89.0	17.0	24.0	71.0	77.5	34.5	81.5	72.5	31.0	36.5	43.0	81.0	64.0	85.0	37.5	85.0	10.5	42.0	81.0	48.5
ALAMO (J-1048)	74.5	51.5	77.0	3.0	32.5	80.0	57.0	11.0	52.5	60.5	20.5	77.5	64.5	58.0	63.0	34.5	53.0	19.0	48.0	32.5	85.5	38.0	2.0
PSTF-401	61.0	70.0	37.0	11.5	41.5	65.5	82.0	26.0	76.5	7.0	27.5	77.5	40.5	10.5	79.0	48.5	70.5	27.5	48.0	46.5	71.5	36.0	72.5
SAFARI	74.5	84.5	49.0	4.5	66.5	46.0	69.0	16.5	27.0	49.5	84.5	60.0	48.5	27.0	50.5	55.5	41.5	9.0	9.0	80.0	42.0	60.0	28.5
LEPRECHAUN	4.5	11.0	43.0	52.5	62.5	50.0	32.5	56.0	83.0	37.0	23.5	37.0	48.5	31.5	63.0	34.5	67.0	53.0	16.0	10.5	54.0	79.0	48.5
SR 8300	44.5	49.0	17.5	25.5	49.0	71.5	40.0	11.0	46.0	53.0	65.5	79.0	31.0	74.0	80.0	44.0	83.0	9.0	48.0	7.5	67.0	26.0	79.0
BAR FA 2AB	44.5	42.0	17.5	17.5	5.5	39.5	11.5	90.0	57.5	37.0	63.0	49.5	85.5	43.0	42.0	17.0	18.5	81.5	57.5	87.0	42.0	21.5	66.0
OFI-ATK (ISI-ATK)	67.0	66.5	84.5	23.0	56.5	19.5	87.0	9.0	71.5	76.5	9.0	71.0	71.0	36.0	28.0	34.5	50.0	69.0	62.5	60.0	71.5	80.0	41.0
PRO-9178	19.5	33.5	86.0	49.5	32.5	24.0	32.5	40.5	69.0	60.5	65.5	16.0	56.0	58.0	36.5	75.0	57.0	69.0	52.0	39.0	16.5	50.0	48.5
BONANZA II	37.0	79.5	15.0	25.5	56.5	50.0	40.0	37.0	30.0	29.0	12.0	81.0	51.5	67.5	58.5	75.0	76.0	53.0	16.0	67.0	54.0	40.5	15.5
ISI-CRC	74.5	70.0	56.5	30.0	84.0	65.5	74.5	19.5	69.0	64.5	4.0	67.0	83.5	27.0	66.5	75.0	51.0	27.5	29.5	46.5	54.0	50.0	66.0
MIRAGE (KWS-DSL)	53.5	54.5	65.5	92.0	41.5	28.0	6.5	48.0	30.0	52.0	67.5	39.0	31.0	31.5	50.5	64.0	45.0	19.0	62.5	60.0	54.0	63.0	15.5
PSTF-200	4.5	82.5	23.0	71.5	70.5	52.5	80.0	5.0	19.0	60.5	6.0	69.5	71.0	43.0	84.5	13.0	79.5	69.0	43.0	29.5	78.0	82.5	48.5
M-2	26.0	59.5	64.0	30.0	79.0	39.5	62.5	7.0	24.5	81.5	63.0	27.5	8.5	70.0	82.0	75.0	57.0	69.0	6.0	53.0	54.0	50.0	81.5
SHENANDOAH	7.0	81.0	74.0	45.0	62.5	85.0	76.5	34.5	69.0	5.5	51.0	53.0	40.5	58.0	77.5	79.5	75.0	9.0	4.0	39.0	67.0	74.0	48.5
403	53.5	77.0	34.5	80.5	23.0	65.5	78.5	52.5	39.5	32.5	17.0	53.0	71.0	18.5	36.5	52.0	39.5	27.5	48.0	46.5	54.0	57.0	25.0
CAFA101	14.5	84.5	61.5	78.0	9.0	80.0	69.0	22.0	80.5	44.5	56.5	80.0	61.5	78.5	68.0	59.0	77.0	4.5	43.0	53.0	85.5	57.0	56.5
PST-5STB	37.0	33.5	84.5	86.5	83.0	14.0	3.5	69.0	73.5	49.5	87.5	53.0	78.0	85.5	30.0	71.0	29.0	37.5	67.0	80.0	54.0	63.0	72.5
PSTF-LF	14.5	63.5	74.0	37.5	49.0	46.0	83.0	7.0	19.0	19.5	38.0	83.5	76.5	85.5	69.5	59.0	63.0	69.0	48.0	80.0	76.5	57.0	84.0
AVANTI	74.5	79.5	49.0	37.5	11.5	50.0	20.5	60.0	10.0	86.5	81.5	56.5	14.0	31.5	69.5	34.5	57.0	86.5	53.5	73.0	62.0	68.5	56.5
FINELAWN 88	53.5	62.0	61.5	66.5	75.5	58.5	57.0	40.5	65.5	22.5	51.0	73.5	67.0	51.5	73.0	79.5	64.5	37.5	38.0	15.0	74.5	38.0	20.0
AUSTIN	74.5	78.0	34.5	1.5	75.5	58.5	84.0	30.0	56.0	68.0	45.5	83.5	74.0	51.5	73.0	85.0	70.5	19.0	48.0	23.0	76.5	63.0	75.5
KITTYHAWK	1.0	57.0	65.5	37.5	17.0	28.0	72.5	34.5	79.0	71.5	72.5	56.5	56.0	18.5	73.0	52.0	70.5	89.0	57.5	23.0	71.5	53.5	38.5
CAS-MA21	10.5	72.0	31.0	45.0	75.5	77.0	52.5	48.0	71.5	80.0	20.5	75.0	25.5	36.0	50.5	71.0	62.0	53.0	29.5	67.0	54.0	74.0	77.0
BONSAI	37.0	15.0	83.0	75.0	5.5	14.0	20.5	88.0	88.0	70.0	81.5	37.0	14.0	81.0	55.0	89.0	14.0	53.0	89.0	89.0	16.5	77.5	61.5
MONARCH	74.5	74.5	11.0	45.0	62.5	71.5	57.0	37.0	80.5	73.5	70.0	62.5	18.0	88.0	58.5	55.5	79.5	69.0	67.0	53.0	54.0	74.0	23.0
OLYMPIC II	74.5	86.5	54.0	8.0	81.5	83.0	78.5	14.5	76.5	19.5	84.5	69.5	40.5	63.5	84.5	75.0	81.5	53.0	16.0	73.0	83.5	86.0	56.5
CAS-LA20	14.5	56.0	25.5	80.5	75.5	71.5	52.5	44.5	76.5	34.0	60.0	60.0	85.5	78.5	36.5	82.0	70.5	81.5	67.0	67.0	31.5	68.5	69.5
AZTEC	53.5	70.0	20.5	17.5	66.5	75.0	40.0	69.0	39.5	64.5	34.0	92.0	44.0	78.5	77.5	71.0	70.5	69.0	73.0	83.5	69.0	16.0	56.5
BAR FA 214	64.5	46.0	31.0	61.0	32.5	1.0	76.5	82.0	46.0	88.0	72.5	72.0	14.0	74.0	73.0	87.0	81.5	69.0	88.0	67.0	80.5	74.0	6.5
ASTRO 2000	91.0	76.0	38.0	71.5	85.5	71.5	88.0	33.0	65.5	16.0	80.0	82.0	76.5	82.5	87.0	34.5	84.0	69.0	53.5	46.5	82.0	68.5	81.5
PHOENIX	81.5	82.5	34.5	64.5	56.5	86.0	86.0	11.0	60.0	16.0	67.5	86.0	46.5	82.5	86.0	68.0	86.0	37.5	3.0	10.5	83.5	87.0	74.0
BONANZA	7.0	86.5	80.5	75.0	75.5	87.0	74.5	24.0	73.5	47.0	77.0	85.0	56.0	78.5	65.0	83.5	74.0	37.5	67.0	85.0	80.5	77.5	6.5
ARID	32.0	88.0	40.5	56.0	88.0	89.0	85.0	1.0	86.0	56.5	87.5	88.0	59.5	85.5	88.0	79.5	88.5	81.5	62.5	80.0	89.0	88.0	48.5
TWILIGHT	26.0	20.5	89.5	91.0	89.5	62.0	65.5	82.0	6.5	71.5	89.0	53.0	89.0	51.5	36.5	90.0	6.0	89.0	73.0	76.0	67.0	21.5	90.0
FALCON	26.0	89.0	68.0	83.5	85.5	88.0	90.0	3.0	87.0	42.0	83.0	87.0	80.5	85.5	89.0	87.0	88.5	53.0	81.5	73.0	90.0	90.0	87.0
ANTHEM	53.5	90.0	54.0	85.0	89.5	90.0	89.0	4.0	89.5	46.0	90.0	89.0	31.0	90.0	90.0	87.0	90.0	89.0	62.5	53.0	88.0	89.0	92.0
KY-31 NO ENDO.	61.0	91.0	92.0	90.0	91.0	91.0	91.5	24.0	91.0	85.0	91.0	91.0	92.0	91.0	91.0	92.0	92.0	91.0	91.0	87.0	91.0	91.0	66.0
KY-31 W/ENDO.	90.0	92.0	91.0	88.0	92.0	92.0	91.5	37.0	92.0	79.0	92.0	90.0	91.0	92.0	92.0	91.0	91.0	92.0	92.0	91.0	92.0	92.0	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. (CONT'D)

 RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA 1/
 1994 DATA

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

NAME	MS1	NE1	NE2	NE3	NJ1	NJ2	NV1	NY1	PA1	PA2	RI1	SD1	SK1	TX1	UB1	UB2	VA1	VA4	VA6	VA8	WA1	WI1	MEAN
JAGUAR 3 (ZPS-J3)	9.5	29.0	4.0	27.0	3.0	1.0	50.0	38.0	9.0	63.0	9.5	2.5	16.0	64.0	5.0	14.5	13.0	3.0	28.5	27.0	15.0	13.0	1
HOUNDG V (ISI-AFE)	1.5	10.0	6.0	6.5	2.0	2.0	20.5	12.5	5.0	24.0	50.0	59.5	51.5	33.0	2.5	9.5	6.5	2.0	48.5	10.5	21.0	27.0	2
ISI-AFA	17.0	1.0	37.5	80.0	4.0	3.0	53.5	73.0	2.0	63.0	33.0	8.0	13.0	80.0	2.5	7.5	3.0	6.5	79.0	27.0	41.5	39.0	3
FALCON II (MB-21-92)	6.0	3.0	12.5	9.5	7.5	16.0	8.0	26.5	57.5	48.0	1.5	18.0	5.5	46.5	2.5	25.0	6.5	10.0	24.5	12.5	62.0	19.0	4
SOUTHERN CHOICE (MB-25-92)	49.0	5.5	2.0	19.0	7.5	22.5	4.5	31.5	12.5	13.0	33.0	49.5	33.5	49.5	9.5	4.5	15.0	25.0	48.5	39.5	7.0	27.0	5
GEN-91	79.0	25.5	55.5	4.0	10.0	5.5	15.5	54.5	37.0	3.0	78.0	41.5	22.0	69.5	13.0	1.0	11.0	17.5	44.5	5.5	9.0	33.0	6
CROSSFIRE II (PICK 90-12)	9.5	72.0	37.5	67.5	1.0	12.5	36.0	63.0	44.0	79.0	28.0	21.5	22.0	64.0	2.5	14.5	1.0	19.5	83.5	61.0	41.5	27.0	7
COYOTE (ZPS-ML)	60.0	40.5	22.5	22.0	7.5	8.5	90.0	35.5	41.0	86.5	9.5	1.0	8.0	56.0	12.0	9.5	18.5	4.5	82.0	36.0	11.5	3.0	8
PST-5DX W/ENDOPHYTE	6.0	40.5	22.5	30.5	11.0	10.0	20.5	70.5	9.0	13.0	55.5	14.0	33.5	6.0	15.0	20.0	11.0	10.0	6.0	65.0	15.0	47.5	9
ATF-007	17.0	18.0	22.5	28.5	49.0	4.0	10.5	26.5	21.0	86.5	64.0	35.0	62.0	40.0	6.0	3.0	14.0	35.5	85.5	84.0	4.0	13.0	10
FINELAWN PETITE	62.0	7.5	1.0	17.5	44.0	28.5	65.5	73.0	41.0	8.0	21.0	65.0	17.5	19.0	28.5	2.0	50.5	16.0	61.0	1.5	4.0	7.5	11
PIXIE	55.0	78.5	37.5	22.0	7.5	11.0	33.0	16.0	6.5	48.0	43.5	82.5	67.0	19.0	7.0	41.5	23.5	46.5	65.5	58.0	15.0	19.0	12
MB-22-92	37.0	2.0	68.5	2.0	49.0	62.0	68.0	14.5	3.0	48.0	50.0	4.0	33.5	11.0	32.0	20.0	37.5	31.5	61.0	43.5	15.0	39.0	13
LANCER	17.0	7.5	3.0	40.0	16.0	16.0	2.5	90.0	50.5	72.5	21.0	32.5	47.0	56.0	20.0	14.5	37.5	6.5	76.0	54.0	4.0	39.0	14
REBEL, JR.	37.0	48.0	29.5	3.0	23.5	16.0	80.0	52.0	37.0	4.5	40.0	32.5	38.0	64.0	28.5	31.5	34.0	54.0	38.5	10.5	21.0	19.0	15
CORONADO (PST-RDG)	12.0	40.5	37.5	50.5	5.0	12.5	20.5	89.0	85.5	77.5	64.0	24.0	22.0	83.5	66.5	41.5	9.0	10.0	55.0	36.0	51.0	7.5	16
LEXUS	69.5	5.5	22.5	12.0	12.5	7.0	84.5	80.5	54.5	89.5	71.0	86.0	48.5	49.5	15.0	7.5	34.0	48.0	90.5	61.0	32.5	1.0	17
EMPRESS (ZPS-E2)	27.5	18.0	29.5	40.0	18.0	5.5	57.5	84.5	65.0	89.5	46.0	46.0	56.0	19.0	37.5	57.5	29.0	1.0	55.0	70.0	9.0	39.0	18
MARKSMAN (MB-23-92)	17.0	10.0	55.5	40.0	12.5	49.5	57.5	4.0	4.0	63.0	15.0	72.5	43.0	3.5	24.5	17.5	34.0	50.5	65.5	86.5	15.0	7.5	19
APACHE II (PST-59D)	9.5	65.0	47.0	82.5	36.0	19.5	20.5	59.5	23.5	63.0	46.0	82.5	4.0	49.5	24.5	41.5	4.0	14.5	65.5	39.5	41.5	27.0	20
PICK 90-10	1.5	30.5	12.5	70.5	30.5	31.5	70.0	78.0	14.0	63.0	15.0	27.0	22.0	76.5	9.5	11.5	26.0	10.0	92.0	54.0	32.5	27.0	21
PST-5PM	17.0	78.5	33.5	80.0	20.0	8.5	65.5	41.0	15.5	63.0	59.0	67.5	22.0	1.5	20.0	41.5	11.0	10.0	76.0	18.5	62.0	47.5	22
TOMAHAWK	86.0	84.5	59.5	40.0	71.5	24.0	65.5	31.5	18.5	48.0	64.0	11.0	7.0	64.0	15.0	36.5	23.5	60.0	8.0	43.5	48.0	7.5	23
GRANDE (SR 8400)	27.5	10.0	37.5	70.5	32.5	28.5	62.0	53.0	11.0	24.0	21.0	62.0	3.0	27.0	70.0	46.5	44.0	72.0	61.0	5.5	37.0	57.5	24
DEBUTANTE (WXI-208-2)	55.0	14.5	47.0	48.5	18.0	63.0	57.5	48.5	50.5	80.0	40.0	18.0	48.5	49.5	51.5	36.5	47.5	19.5	28.5	15.0	32.5	39.0	25
MICRO DD	17.0	40.5	63.0	59.5	21.5	25.5	50.0	38.0	47.0	48.0	25.5	18.0	51.5	27.0	24.5	25.0	58.5	35.5	42.5	70.0	75.5	73.5	26
PYRAMID (SIU-1)	66.0	40.5	47.0	48.5	76.0	54.0	50.0	48.5	30.5	29.5	15.0	5.5	56.0	43.5	20.0	41.5	58.5	79.5	17.5	31.5	69.5	13.0	27
DUSTER (ITR-90-2)	49.0	40.5	7.5	45.0	49.0	22.5	70.0	31.5	37.0	35.5	50.0	30.0	14.5	69.5	24.5	17.5	2.0	14.5	69.0	27.0	11.5	27.0	28
SR 8210	27.5	14.5	17.0	25.5	59.0	35.5	8.0	5.0	47.0	35.5	21.0	36.5	11.0	19.0	40.5	25.0	18.5	69.0	81.0	43.5	9.0	19.0	29
GAZELLE (ZPS-VL)	43.5	34.0	37.5	1.0	36.0	37.0	91.0	43.5	34.0	82.0	81.0	27.0	62.0	88.5	51.5	69.0	6.5	13.0	38.5	31.5	6.0	2.0	30
STARLET (MB-24-92)	17.0	30.5	5.0	17.5	55.0	75.5	73.0	73.0	21.0	77.5	15.0	27.0	28.0	56.0	37.5	20.0	29.0	17.5	38.5	76.5	32.5	39.0	31
VIRTUE	37.0	40.5	90.0	9.5	14.5	28.5	41.0	56.5	30.5	29.5	71.0	84.0	33.5	19.0	62.5	41.5	29.0	44.5	42.5	17.0	21.0	19.0	32
TITAN 2 (SR 8010)	27.5	34.0	12.5	30.5	49.0	18.0	45.0	7.0	30.5	1.5	33.0	2.5	67.0	27.0	66.5	52.5	47.5	29.0	12.5	18.0	86.5	73.5	33
FA-19	84.0	54.0	47.0	6.5	49.0	38.5	10.5	65.5	9.0	35.5	87.0	59.5	73.5	43.5	20.0	25.0	40.0	73.5	76.0	54.0	2.0	39.0	34
SILVERADO	74.5	18.0	9.5	40.0	36.0	45.5	84.5	48.5	50.5	48.0	87.0	14.0	33.5	56.0	47.0	46.5	16.0	65.0	90.5	54.0	56.5	57.5	35
MONTAUK	66.0	48.0	59.5	5.0	67.0	64.5	1.0	26.5	6.5	48.0	71.0	72.5	17.5	72.0	32.0	60.5	34.0	22.5	55.0	61.0	21.0	57.5	36
PALISADES (OFI-TF-601)	17.0	58.5	55.5	40.0	44.0	45.5	45.0	20.0	15.5	35.5	15.0	55.5	5.5	73.5	34.5	46.5	18.5	26.5	72.5	34.0	41.5	47.5	37
PST-5LX	71.5	54.0	33.5	59.5	34.0	21.0	35.0	59.5	30.5	48.0	55.5	11.0	1.0	92.0	43.5	25.0	18.5	70.5	72.5	22.5	21.0	4.0	38
REBEL 3D	71.5	25.5	29.5	22.0	59.0	28.5	45.0	79.0	73.0	6.0	1.5	58.0	9.0	81.0	32.0	14.5	79.0	65.0	55.0	48.5	75.5	57.5	39
NINJA (ATF-006)	87.5	14.5	29.5	65.0	55.0	41.0	78.0	70.5	27.0	72.5	55.5	32.5	38.0	88.5	9.5	6.0	44.0	82.0	72.5	84.0	1.0	13.0	40
PST-5VC	77.5	12.0	75.5	22.0	67.0	14.0	70.0	45.5	23.5	63.0	50.0	41.5	73.5	90.5	9.5	4.5	6.5	24.0	17.5	70.0	51.0	33.0	41
DUKE	27.5	40.5	22.5	53.0	28.0	54.0	62.0	56.5	17.0	48.0	21.0	41.5	2.0	83.5	34.5	57.5	21.0	56.0	32.0	48.5	26.5	19.0	42
ADOBE (SFL)	3.5	40.5	47.0	53.0	18.0	38.5	62.0	82.0	44.0	82.0	43.5	49.5	43.0	64.0	47.0	31.5	50.5	4.5	55.0	5.5	54.0	47.5	43
GUARDIAN	37.0	25.5	22.5	14.0	59.0	31.5	48.0	76.0	37.0	35.5	78.0	72.5	43.0	76.5	74.0	75.0	34.0	50.5	38.5	22.5	62.0	47.5	44
CHIEFTAIN II (PICK CII)	82.0	54.0	17.0	80.0	28.0	51.0	83.0	22.0	69.0	24.0	15.0	65.0	72.0	27.0	28.5	36.5	58.5	21.0	55.0	43.5	62.0	57.5	45
BONSAI PLUS	17.0	54.0	12.5	53.0	67.0	45.5	52.0	84.5	54.5	76.0	64.0	86.0	64.5	33.0	80.5	57.5	69.5	50.5	28.5	5.5	26.5	47.5	46
SR 8200	27.5	48.0	63.0	75.5	26.0	54.0	78.0	48.5	59.0	24.0	40.0	49.5	22.0	56.0	66.5	57.5	23.5	65.0	87.0	12.5	48.0	57.5	47
BAR FA 0855	80.0	75.5	47.0	9.5	41.0	69.0	17.5	17.0	12.5	13.0	25.5	5.5	85.5	37.0	62.5	46.5	75.5	89.0	48.5	27.0	32.5	73.5	48
TRAILBLAZER II	77.5	32.0	63.0	33.0	44.0	45.5	28.0	65.5	69.0	72.5	75.5	53.0	64.5	33.0	17.0	78.5	66.5	41.0	12.5	15.0	62.0	13.0	49

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FORTY-FIVE LOCATIONS IN THE U.S. AND CANADA
1994 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	MS1	NE1	NE2	NE3	NJ1	NJ2	NV1	NY1	PA1	PA2	RI1	SD1	SK1	TX1	UB1	UB2	VA1	VA4	VA6	VA8	WA1	WI1	MEAN
SHORTSTOP (PICK 90-06)	43.5	72.0	9.5	16.0	28.0	64.5	45.0	86.0	78.5	86.5	64.0	41.5	43.0	27.0	20.0	31.5	23.5	65.0	88.5	74.5	32.5	57.5	50
VEGAS	82.0	58.5	22.5	50.5	14.5	19.5	57.5	6.0	44.0	91.0	64.0	62.0	11.0	56.0	51.5	72.0	44.0	60.0	48.5	81.5	26.5	82.0	51
ELDORADO	74.5	21.5	47.0	90.0	41.0	33.0	38.5	38.0	85.5	24.0	84.0	8.0	43.0	19.0	57.5	25.0	79.0	65.0	38.5	36.0	41.5	27.0	52
COCHISE	62.0	63.0	75.5	21.5	73.0	57.5	62.0	65.0	13.0	71.0	79.5	50.0	11.0	77.0	31.5	58.5	35.5	28.5	89.5	56.5	27.0	53	
FA-22	27.5	54.0	47.0	9.5	81.0	35.5	33.0	19.0	1.0	35.5	9.5	86.0	28.0	6.0	43.5	49.0	63.5	29.0	34.0	79.0	80.5	57.5	54
ALAMO (J-1048)	43.5	68.0	29.5	55.0	49.0	34.0	13.0	76.0	78.5	92.0	6.5	49.5	11.0	87.0	51.5	52.5	40.0	35.5	28.5	22.5	84.5	47.5	55
PSTF-401	37.0	48.0	81.5	46.5	67.0	45.5	28.0	24.0	78.5	18.0	50.0	89.5	28.0	37.0	74.0	63.5	44.0	76.0	20.5	9.0	41.5	39.0	56
SAFARI	27.5	84.5	63.0	14.0	38.5	25.5	6.0	51.0	84.0	35.5	64.0	27.0	85.5	40.0	57.5	63.5	66.5	22.5	61.0	43.5	21.0	66.0	57
LEPRECHAUN	49.0	21.5	68.5	40.0	41.0	41.0	89.0	76.0	30.5	63.0	40.0	11.0	28.0	69.5	40.5	36.5	73.5	46.5	88.5	89.5	69.5	57.5	58
SR 8300	69.5	25.5	47.0	28.5	76.0	73.0	28.0	80.5	21.0	48.0	40.0	32.5	56.0	11.0	51.5	63.5	29.0	41.0	55.0	54.0	32.5	57.5	59
BAR FA 2AB	62.0	68.0	22.5	14.0	55.0	67.0	53.5	65.5	41.0	56.0	64.0	69.5	82.5	23.0	43.5	11.5	58.5	79.5	48.5	81.5	26.5	27.0	60
OFI-ATK (ISI-ATK)	3.5	25.5	29.5	87.0	25.0	60.0	38.5	41.0	26.0	24.0	64.0	21.5	79.5	8.0	47.0	77.0	73.5	54.0	12.5	61.0	69.5	33.0	61
PRO-9178	6.0	61.0	47.0	75.5	62.0	54.0	41.0	31.5	65.0	72.5	55.5	53.0	53.0	40.0	43.5	25.0	53.5	77.5	61.0	89.5	75.5	39.0	62
BONANZA II	9.5	89.0	47.0	59.5	81.0	60.0	4.5	31.5	54.5	82.0	55.5	89.5	28.0	27.0	37.5	52.5	63.5	41.0	34.0	54.0	62.0	66.0	63
ISI-CRC	27.5	40.5	47.0	70.5	63.0	82.0	74.0	11.0	57.5	13.0	78.0	46.0	70.5	3.5	51.5	75.0	75.5	26.5	69.0	1.5	83.0	7.5	64
MIRAGE (KWS-DSL)	66.0	68.0	68.5	40.0	23.5	41.0	24.0	69.0	65.0	48.0	33.0	16.0	14.5	83.5	37.5	63.5	44.0	85.0	72.5	86.5	72.5	57.5	65
PSTF-200	55.0	75.5	75.5	70.5	32.5	60.0	2.5	1.0	50.5	13.0	4.5	77.5	85.5	43.5	74.0	69.0	79.0	57.5	17.5	89.5	54.0	73.5	66
M-2	55.0	58.5	87.0	75.5	59.0	45.5	28.0	14.5	73.0	35.5	25.5	72.5	76.5	69.5	70.0	66.5	66.5	35.5	12.5	22.5	48.0	82.0	67
SHENANDOAH	41.0	14.5	85.0	22.0	30.5	81.0	24.0	26.5	78.5	35.5	87.0	62.0	67.0	37.0	57.5	66.5	50.5	35.5	22.5	31.5	69.5	73.5	68
403	27.5	78.5	83.5	65.0	23.5	57.0	86.0	45.5	73.0	48.0	33.0	92.0	43.0	33.0	57.5	52.5	69.5	44.5	22.5	48.5	78.5	73.5	69
CAFA101	27.5	58.5	58.0	35.0	67.0	66.0	65.5	22.0	54.5	8.0	9.5	27.0	56.0	11.0	78.0	81.0	29.0	41.0	4.5	38.0	75.5	82.0	70
PST-5STB	87.5	25.5	15.0	46.5	74.0	79.0	24.0	18.0	82.5	24.0	84.0	41.5	38.0	64.0	74.0	72.0	50.5	70.5	69.0	31.5	32.5	7.5	71
PSTF-LF	37.0	81.5	75.5	56.5	79.0	68.0	37.0	10.0	82.5	63.0	46.0	79.5	59.5	11.0	57.5	85.0	66.5	65.0	24.5	5.5	67.0	79.5	72
AVANTI	43.5	84.5	75.5	25.5	71.5	70.0	75.0	65.5	18.5	63.0	15.0	38.0	59.5	90.5	74.0	52.5	58.5	75.0	38.5	61.0	41.5	66.0	73
FINELAWN 88	74.5	63.0	55.5	82.5	76.0	73.0	17.5	83.0	61.0	48.0	6.5	8.0	76.5	83.5	79.0	60.5	82.0	31.5	28.5	54.0	84.5	73.5	74
AUSTIN	49.0	51.0	68.5	78.0	67.0	49.5	8.0	8.5	78.5	63.0	71.0	75.5	56.0	27.0	83.5	78.5	71.5	50.5	17.5	70.0	51.0	79.5	75
KITTYHAWK	37.0	84.5	79.5	85.5	83.0	77.0	15.5	31.5	69.0	63.0	33.0	57.0	88.0	33.0	70.0	81.0	58.5	54.0	20.5	70.0	41.5	73.5	76
CAS-MA21	66.0	90.0	68.5	56.5	84.0	71.0	13.0	92.0	30.5	84.0	4.5	53.0	69.0	46.5	62.5	81.0	71.5	73.5	44.5	20.0	62.0	47.5	77
BONSAI	58.5	4.0	7.5	33.0	53.0	84.0	87.0	91.0	65.0	86.5	74.0	21.5	82.5	14.5	57.5	31.5	85.5	41.0	83.5	92.0	21.0	87.0	78
MONARCH	27.5	68.0	79.5	84.0	81.0	75.5	28.0	58.0	47.0	24.0	90.0	46.0	78.0	56.0	66.5	72.0	58.5	60.0	34.0	79.0	46.0	66.0	79
OLYMPIC II	49.0	48.0	89.0	73.0	86.0	85.5	41.0	3.0	78.5	1.5	33.0	21.5	75.0	19.0	80.5	86.0	85.5	57.5	1.0	5.5	62.0	73.5	80
CAS-LA20	66.0	63.0	17.0	62.0	73.0	79.0	78.0	88.0	25.0	72.5	81.0	69.5	70.5	86.0	83.5	52.5	83.5	81.0	48.5	65.0	62.0	57.5	81
AZTEC	85.0	87.0	68.5	88.0	59.0	54.0	57.5	54.5	37.0	48.0	3.0	36.5	43.0	79.0	28.5	31.5	53.5	83.0	65.5	27.0	54.0	66.0	82
BAR FA 214	49.0	34.0	72.0	59.5	78.0	58.0	81.5	43.5	73.0	48.0	81.0	67.5	22.0	6.0	62.5	75.0	40.0	90.0	85.5	74.5	82.0	84.5	83
ASTRO 2000	49.0	20.0	87.0	33.0	67.0	85.5	72.0	2.0	61.0	24.0	25.5	41.5	79.5	76.5	86.0	83.5	87.0	65.0	4.5	48.5	86.5	87.0	84
PHOENIX	55.0	74.0	87.0	75.5	49.0	79.0	88.0	8.5	73.0	4.5	33.0	55.5	89.0	1.5	83.5	87.0	79.0	29.0	12.5	70.0	78.5	87.0	85
BONANZA	58.5	81.5	63.0	63.0	85.0	83.0	13.0	12.5	61.0	63.0	84.0	77.5	33.5	43.5	83.5	69.0	79.0	77.5	8.0	76.5	72.5	84.5	86
ARID	74.5	72.0	47.0	40.0	89.0	87.0	76.0	41.0	88.0	8.0	55.5	14.0	81.0	14.5	88.0	89.0	83.5	85.0	12.5	43.5	80.5	89.0	87
TWILIGHT	91.0	78.5	75.5	89.0	87.0	88.0	33.0	87.0	91.0	72.5	33.0	88.0	85.5	56.0	87.0	83.5	90.0	88.0	79.0	79.0	90.0	19.0	88
FALCON	82.0	88.0	81.5	85.5	88.0	89.0	31.0	61.0	87.0	35.5	89.0	75.5	62.0	56.0	89.0	88.0	88.0	87.0	79.0	15.0	88.0	90.0	89
ANTHEM	89.0	68.0	83.5	65.0	90.0	90.0	45.0	35.5	89.0	13.0	75.5	91.0	91.0	64.0	90.0	90.0	89.0	85.0	8.0	70.0	89.0	73.5	90
KY-31 NO ENDO.	92.0	91.0	91.0	92.0	92.0	92.0	81.5	68.0	90.0	18.0	92.0	65.0	90.0	73.5	92.0	91.5	91.5	92.0	2.0	65.0	91.0	91.0	91
KY-31 W/ENDO.	90.0	92.0	92.0	91.0	91.0	91.0	92.0	22.0	92.0	18.0	91.0	81.0	92.0	76.5	91.0	91.5	91.5	91.0	3.0	84.0	92.0	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
1994 DATA

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

NAME	AL1	AZ1	BC1	CA1	GA1	GA2	IL1	KS1	MA1	MO2	MO3	MS1	NE1	NE2	NE3	NJ1	NJ2	NV1	PA1	PA2	RI1	SD1	TX1	UB1	UB2	VA1	VA4	VA8	WA1	WI1	MEAN	
TWILIGHT	7.7	8.0	6.0	7.7	6.0	2.3	7.7	7.7	7.0	8.7	7.7	6.7	5.3	6.0	6.7	7.3	8.7	6.0	8.7	7.0	7.7	8.0	8.7	8.0	7.0	7.0	7.7	7.3	8.0	8.0	7.2	
CORONADO (PST-RDG)	8.0	7.7	5.3	8.0	5.3	5.0	8.0	7.0	7.7	8.3	7.3	6.3	6.0	6.7	7.0	7.3	8.0	7.0	7.7	7.0	7.0	7.3	8.3	8.0	6.0	6.3	6.7	6.3	7.0	8.3	7.1	
LEXUS	7.3	8.0	6.0	8.0	5.7	3.0	7.7	7.7	8.0	8.3	6.7	6.3	6.3	6.7	7.0	7.0	8.3	5.3	7.7	6.3	7.7	7.3	9.0	8.0	5.7	6.0	6.0	7.0	8.3	8.3	7.0	
GEN-91	7.3	8.0	6.3	8.0	5.0	3.7	7.7	8.0	8.0	8.0	7.0	6.0	6.7	6.0	6.7	6.7	8.0	6.7	8.0	6.3	7.3	6.3	9.0	8.0	6.0	5.7	7.0	6.7	8.0	8.0	7.0	
GAZELLE (ZPS-VL)	8.0	8.0	6.3	8.0	5.7	2.3	7.7	6.3	8.0	8.3	7.3	6.0	5.7	7.0	6.0	7.3	8.3	5.7	8.3	6.7	7.0	7.0	9.0	7.7	5.7	6.7	6.3	6.7	8.7	8.3	7.0	
PICK 90-10	7.3	8.0	6.0	8.0	5.0	4.0	7.3	7.7	7.7	8.7	5.7	6.0	7.3	6.7	6.3	8.0	8.7	6.0	7.7	6.7	7.7	6.3	8.0	8.0	6.0	6.0	6.0	6.3	7.7	7.7	6.9	
FINELAWN PETITE	7.3	8.0	6.0	8.0	5.7	4.7	6.7	7.7	7.3	8.0	6.3	6.0	6.7	7.0	6.0	6.7	7.7	5.7	7.7	6.0	8.0	7.3	9.0	8.0	5.7	6.0	6.3	6.7	8.0	7.7	6.9	
COYOTE (ZPS-ML)	7.7	8.0	6.3	8.0	5.7	4.0	8.3	7.3	7.7	8.0	4.7	6.0	6.3	6.7	7.0	7.0	7.7	5.3	8.7	6.0	7.7	7.0	8.3	7.3	6.0	6.0	6.3	6.0	8.0	8.3	6.9	
CROSSFIRE II (PICK 90-12)	7.3	8.0	6.0	8.0	6.0	5.0	7.3	6.3	7.7	8.3	7.3	5.7	6.0	7.0	6.7	6.7	7.7	6.0	6.7	6.3	7.3	6.7	8.3	7.3	6.0	5.7	6.3	6.3	7.7	7.7	6.8	
SHORTSTOP (PICK 90-06)	7.7	7.7	6.0	8.0	5.7	4.7	7.3	7.3	7.0	8.0	6.0	6.0	5.7	7.0	6.3	7.7	8.0	6.3	7.3	6.3	7.0	6.0	9.0	8.0	6.0	5.7	6.0	6.7	7.3	7.7	6.8	
LANCER	8.0	8.0	6.0	8.0	5.7	4.7	7.7	7.0	6.7	7.3	7.0	6.0	6.0	6.0	7.3	6.3	6.3	7.3	5.7	8.3	6.0	7.3	6.7	8.3	6.7	5.7	5.7	6.3	6.0	8.0	7.7	6.8
DUSTER (ITR-90-2)	8.0	8.0	6.3	7.7	5.7	3.7	7.7	6.7	7.7	8.3	6.3	6.0	6.3	6.7	7.0	7.0	7.7	5.3	8.7	6.0	7.7	7.0	8.3	7.3	6.0	6.0	6.3	6.0	8.0	8.3	6.9	
MICRO DD	7.3	8.0	6.3	8.0	6.0	4.7	7.3	7.0	7.3	8.3	6.0	6.0	6.3	6.3	6.3	6.0	7.7	5.3	8.0	6.3	6.7	6.3	8.3	8.0	5.7	5.3	6.0	6.7	8.0	7.3	6.8	
SOUTHERN CHOICE (MB-25-92)	7.3	7.7	5.7	8.0	6.0	4.3	7.7	7.3	7.3	8.0	5.7	6.0	6.3	6.3	7.0	6.3	7.3	5.3	7.3	6.3	7.7	6.7	8.3	7.7	5.7	5.7	6.3	6.3	7.7	7.7	6.8	
REBEL 3D	7.3	8.0	6.0	8.0	5.7	4.7	7.0	7.3	7.0	8.7	6.0	6.3	6.3	6.0	6.3	6.0	7.7	5.3	7.7	6.0	7.7	6.3	8.3	7.0	6.0	5.7	6.3	7.0	7.0	7.7	6.7	
APACHE II (PST-59D)	8.0	8.0	6.3	8.0	5.7	4.0	7.7	6.7	7.3	8.0	6.3	6.0	6.0	6.0	6.0	6.7	8.0	6.7	7.3	6.0	7.7	7.0	9.0	7.3	5.0	5.7	6.0	6.7	7.3	7.3	6.7	
ISI-AFA	7.7	7.3	6.0	8.0	6.0	4.7	7.3	7.3	7.0	8.3	7.0	6.0	6.3	6.3	6.0	6.7	6.7	6.3	7.0	6.0	7.0	7.3	8.7	7.0	5.3	4.7	6.0	6.0	7.7	8.0	6.7	
PST-5STB	7.7	8.0	6.3	8.0	6.0	4.0	7.0	5.7	7.0	8.0	6.7	6.3	5.3	6.5	6.7	6.7	6.7	5.3	6.7	5.7	7.0	7.0	8.7	7.7	5.7	5.7	6.7	6.3	8.0	8.0	6.7	
ATF-007	8.0	7.7	6.3	8.0	5.7	4.3	7.0	7.3	6.3	8.3	6.0	6.0	6.3	5.7	6.3	6.7	7.3	6.0	7.0	6.3	7.0	7.0	8.7	8.0	5.7	4.3	6.0	5.3	8.0	7.7	6.7	
BONSAI	7.7	7.7	5.7	8.0	5.3	4.7	6.3	7.0	7.7	8.3	6.3	6.0	5.7	6.5	7.0	7.0	8.3	4.3	8.0	6.0	6.7	6.3	8.0	7.3	5.7	6.0	6.0	5.7	7.7	7.3	6.7	
FALCON II (MB-21-92)	8.0	8.0	6.0	8.0	5.7	4.0	7.7	6.7	7.3	8.3	6.0	6.0	6.3	6.3	6.7	6.3	6.3	6.0	6.7	6.0	7.0	6.7	8.3	7.3	5.0	6.0	6.0	6.0	7.3	7.7	6.7	
TOMAHAWK	7.7	8.0	6.0	8.0	5.3	4.7	8.0	6.7	6.7	8.0	6.3	6.7	5.7	5.5	5.7	6.0	6.7	5.7	7.0	6.3	6.3	6.3	8.7	7.3	5.7	5.7	6.3	6.0	8.0	8.3	6.6	
HOUNDOG V (ISI-AFE)	7.7	8.0	6.7	8.0	5.3	3.7	8.0	7.0	7.3	8.3	6.3	6.3	6.7	6.3	5.7	6.3	7.0	5.3	7.0	6.0	6.7	6.7	8.7	7.0	5.3	4.7	6.0	5.7	7.3	8.0	6.6	
MARKSMAN (MB-23-92)	7.3	7.7	6.0	8.0	5.3	4.0	7.3	6.7	7.0	8.0	7.0	6.0	6.7	6.0	6.7	6.3	7.0	5.0	7.0	6.0	7.3	6.3	8.0	7.3	5.0	5.7	5.3	6.0	6.0	8.0	7.7	6.6
BAR FA 2AB	7.7	7.7	6.0	8.0	5.0	5.0	7.7	6.7	7.0	8.0	6.0	6.0	6.0	6.5	6.0	5.3	6.7	6.3	6.3	6.3	7.0	6.7	8.0	7.3	5.7	6.0	6.0	6.0	7.7	7.3	6.6	
CHIEFTAIN II (PICK CII)	7.3	7.7	5.7	8.0	5.0	3.7	8.3	7.3	7.0	7.7	7.0	6.0	7.0	6.7	6.7	5.7	7.0	5.7	6.7	6.0	7.0	6.3	8.0	7.0	5.0	5.7	6.0	6.0	7.0	7.7	6.6	
NINJA (ATF-006)	7.3	8.0	6.0	8.0	5.3	4.7	7.0	5.0	7.7	8.0	7.3	6.0	5.7	6.0	6.3	6.0	7.0	5.3	6.7	6.0	6.7	6.7	8.0	8.0	6.0	5.3	5.7	6.3	8.3	7.3	6.6	
PIXIE	8.0	7.7	6.0	8.0	5.3	4.7	7.0	7.0	7.3	7.7	5.7	6.0	6.3	6.0	6.7	6.3	7.0	5.3	6.3	6.0	7.3	6.0	8.7	7.3	5.0	5.7	6.0	6.3	7.3	7.3	6.6	
MB-22-92	7.3	8.0	6.0	8.0	6.0	4.0	7.7	7.0	6.7	8.0	6.3	6.0	5.7	6.0	6.0	6.0	6.0	5.0	7.7	6.0	6.7	6.0	8.0	7.0	5.0	5.3	6.0	6.7	8.3	8.0	6.6	
PST-5LX	7.3	8.0	6.3	8.0	6.0	4.3	7.3	6.7	6.7	8.0	5.0	6.0	6.0	5.5	5.7	6.3	7.7	6.0	6.7	6.3	6.7	6.3	9.0	7.7	5.3	4.7	6.3	6.0	8.0	7.0	6.6	
VIRTUE	7.3	8.0	6.3	8.0	5.0	3.3	7.7	7.0	7.0	8.0	5.3	6.3	6.0	6.0	6.0	6.3	6.7	5.3	6.7	6.0	6.3	7.7	8.7	7.0	6.0	6.0	6.0	4.7	8.0	7.7	6.5	
PST-5PM	8.0	8.0	6.0	8.0	5.7	4.7	8.0	5.7	7.7	8.0	6.3	6.0	5.3	6.0	6.0	6.7	7.0	5.0	7.0	6.0	6.0	6.0	8.0	7.3	5.0	5.3	6.3	5.7	7.7	7.3	6.5	
BONSAI PLUS	8.0	7.7	6.0	8.0	5.0	4.7	7.7	6.7	6.0	8.0	6.7	6.0	6.0	5.3	6.0	5.7	6.7	5.7	7.3	6.3	6.7	7.3	8.3	7.0	5.0	5.3	6.3	5.0	8.0	7.0	6.5	
STARLET (MB-24-92)	7.0	7.7	6.0	8.0	6.0	4.3	7.7	6.3	7.0	8.3	5.3	6.0	6.0	6.0	6.0	6.7	6.7	4.7	7.0	6.0	6.7	6.0	8.7	7.0	5.3	5.3	6.0	6.7	7.7	7.3	6.5	
LEPRECHAUN	8.0	8.0	5.7	8.0	5.3	4.0	7.3	6.7	6.3	7.7	6.3	6.0	6.7	6.3	6.0	6.0	7.3	5.7	6.0	6.0	6.7	6.0	8.3	7.0	4.7	5.0	6.0	7.0	8.0	7.3	6.5	
EMPRESS (ZPS-E2)	8.0	7.3	6.0	8.0	6.0	3.3	7.0	6.0	7.0	8.0	6.3	5.7	6.3	6.7	5.7	6.3	7.0	5.0	6.7	6.3	7.0	6.0	8.0	7.3	5.0	5.0	6.0	6.3	7.7	8.0	6.5	
VEGAS	7.3	7.7	5.0	8.0	5.0	2.3	7.7	6.7	7.0	8.0	6.7	6.0	6.0	6.3	6.3	6.7	7.3	5.3	7.7	6.0	7.0	6.0	8.3	7.0	5.7	5.3	6.0	5.7	7.7	7.3	6.5	
PST-5VC	8.0	8.0	6.0	8.0	5.7	5.0	8.0	6.7	6.3	7.7	6.0	6.0	5.5	6.3	5.3	6.0	7.0	5.3	6.3	6.0	6.3	6.0	8.3	7.0	5.0	4.7	5.7	6.0	7.3	7.7	6.4	
403	7.3	7.0	6.0	8.0	4.7	4.3	7.7	7.0	7.0	8.0	7.0	5.3	5.3	6.7	5.7	6.0	6.3	5.7	7.7	6.0	6.3	7.0	8.0	6.7	5.0	5.3	6.3	5.0	7.0	7.0	6.4	
ADOBE (SFL)	7.7	7.7	5.7	8.0	5.3	4.0	7.0	6.7	6.3	8.3	6.7	6.0	6.0	6.0	6.0	6.0	6.3	5.3	6.0	6.0	7.0	5.7	8.0	7.0	5.0	5.7	6.0	6.0	7.3	7.0	6.4	
PST-5DX W/ENDOPHYTE	7.0	8.0	6.0	8.0	5.3	3.7	8.0	6.0	6.3	8.3	5.7	6.0	5.7	6.0	6.0	6.0	6.0	6.3	5.3	5.7	6.0	6.7	6.7	8.3	7.0	5.0	5.0	6.0	6.0	8.0	7.7	6.4
DEBUTANTE (WXI-208-2)	8.0	8.0	6.0	8.0	5.3	4.3	7.7	7.7	6.3	7.7	5.7	5.7	6.0	6.3	5.3	6.0	6.0	5.0	6.0	6.0	7.0	5.7	8.3	6.7	4.7	5.0	5.7	6.0	7.7	8.0	6.4	
TRAILBLAZER II	7.3	8.0	5.7	8.0	5.3	4.0	8.0	7.0	7.0	7.7	5.3	6.3	6.0	6.7	5.0	5.0	6.7	5.0	6.3	6.0	5.7	6.3	8.3	7.0	5.3	5.7	6.0	5.7	7.7	7.3	6.4	
JAGUAR 3 (ZPS-J3)	7.0	7.7	5.7	8.0	5.0	5.0	7.0	7.0	6.7	7.7	5.3	6.0	6.0	6.3	5.7	5.7	6.0	5.7	6.0	6.0	7.3	6.0	8.7	6.7	5.0	5.0	6.0	5.3	7.7	7.7	6.4	
REBEL, JR.	7.3	8.0	6.0	8.0	5.0	4.7	7.0	6.3	6.7	8.0	6.3	6.0	5.7	6.3	5.3	5.7	7.3	5.3	6.0	5.7	6.3	6.0	8.3	7.0	5.0	5.0	6.0	4.7	8.0	7.7	6.3	
COCHISE	7.3	7																														

TABLE 4. (CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	AL1	AZ1	BC1	CA1	GA1	GA2	IL1	KS1	MA1	MO2	MO3	MS1	NE1	NE2	NE3	NJ1	NJ2	NV1	PA1	PA2	RI1	SD1	TX1	UB1	UB2	VA1	VA4	VA8	WA1	WI1	MEAN
GUARDIAN	7.7	7.7	5.7	8.0	5.3	4.0	7.3	6.0	6.3	8.0	5.7	6.0	6.0	5.7	5.7	5.7	6.0	5.0	6.3	6.0	6.0	6.3	8.3	7.0	5.3	4.7	6.0	6.0	7.0	7.7	6.3
SR 8210	7.7	7.3	6.0	8.0	5.3	3.3	7.0	7.3	6.3	7.7	6.0	5.3	6.3	6.0	5.0	6.3	6.7	5.7	5.7	6.0	6.0	5.3	8.0	7.0	4.7	4.7	6.0	5.3	8.3	8.0	6.3
SR 8200	7.0	7.7	6.7	8.0	5.3	4.7	7.0	7.0	6.0	7.0	6.7	6.0	6.0	5.7	5.7	5.0	6.0	5.3	5.3	5.7	6.0	6.0	8.3	7.0	5.0	5.0	6.3	6.0	7.3	7.3	6.3
MONTAUK	7.7	7.7	6.0	8.0	5.0	3.7	7.7	6.7	6.3	7.3	6.0	6.0	6.3	5.7	5.3	5.3	5.7	5.3	5.7	6.0	6.0	6.0	9.0	6.7	5.7	5.0	6.0	5.3	7.7	7.3	6.3
MIRAGE (KWS-DSL)	8.0	7.3	6.0	8.0	5.7	3.0	7.3	7.0	6.3	8.0	5.3	6.0	5.7	6.0	5.0	5.7	6.3	6.0	7.0	5.7	6.0	5.7	8.0	7.0	5.3	5.0	5.7	5.3	7.0	7.3	6.3
SAFARI	8.0	7.7	6.0	8.0	5.3	4.7	6.7	7.0	6.3	7.7	7.0	5.7	6.0	6.3	6.0	5.7	4.7	5.3	4.7	5.7	7.0	6.0	8.3	6.3	5.0	5.0	6.0	5.0	7.7	7.0	6.3
SILVERADO	7.3	7.7	6.0	8.0	5.7	4.7	7.7	6.3	6.0	8.0	5.0	6.0	5.7	6.0	5.3	5.7	6.3	5.0	6.3	6.0	5.0	6.0	8.7	7.0	4.7	5.3	6.0	5.3	7.0	7.7	6.2
PRO-9178	8.0	7.7	6.0	8.0	5.3	4.0	7.0	7.0	6.7	6.3	8.0	6.3	6.0	6.3	6.0	5.3	5.7	5.3	5.7	6.0	5.7	5.3	8.3	7.0	5.0	5.0	5.7	6.0	6.7	7.3	6.2
CAS-MA21	7.7	8.0	6.0	8.0	4.7	4.3	7.3	6.7	6.3	7.0	5.7	6.0	5.3	6.0	5.3	5.0	5.7	6.0	6.3	6.0	6.7	6.0	8.0	6.7	4.3	5.3	6.0	5.7	7.3	7.3	6.2
DUKE	7.7	8.0	6.0	8.0	5.7	3.0	7.0	6.3	6.7	7.7	6.0	6.0	6.0	6.7	5.7	5.0	5.0	5.0	6.3	6.0	6.0	6.3	8.7	6.7	4.7	4.7	5.7	5.0	7.7	7.7	6.2
OFI-ATK (ISI-ATK)	7.0	7.7	6.0	8.0	5.0	2.7	7.0	6.3	6.3	7.3	6.0	5.7	6.0	6.3	6.3	6.0	5.0	5.7	6.7	5.7	7.0	6.7	8.0	6.7	5.0	5.0	6.0	4.7	7.3	7.3	6.2
PALISADES (OFI-TF-601)	7.3	8.0	5.7	8.0	5.0	4.0	7.0	7.0	6.0	7.7	6.3	6.0	6.3	6.0	5.3	5.7	5.7	5.3	5.7	6.0	6.0	6.7	8.3	7.0	5.0	5.0	5.7	7.0	7.0	6.2	
ALAMO (J-1048)	7.3	7.7	5.7	8.0	5.0	3.3	7.7	6.3	6.0	7.3	5.3	6.0	6.0	6.3	5.7	5.7	6.0	5.3	6.0	5.3	6.3	6.3	8.3	7.0	5.0	5.0	6.0	5.3	7.0	7.7	6.2
ISI-CRC	7.7	7.7	5.7	8.0	4.3	3.7	7.3	7.0	5.7	8.0	6.3	5.7	6.0	6.3	6.3	5.7	5.0	4.7	6.7	5.7	6.7	6.3	8.3	6.7	5.0	4.7	6.0	4.7	7.0	7.3	6.2
AZTEC	7.3	8.0	6.0	8.0	5.3	3.3	8.0	6.7	5.7	7.7	6.0	6.0	6.0	5.7	5.0	4.7	5.0	5.0	6.3	5.7	6.7	6.3	8.3	6.7	4.7	5.0	5.7	6.3	7.3	7.3	6.2
BONANZA II	7.3	8.0	6.0	8.0	5.3	4.0	7.7	6.0	5.7	7.7	6.3	5.7	6.3	6.0	5.7	5.0	5.3	5.3	6.0	6.0	6.0	6.3	8.7	6.3	4.3	5.0	6.0	5.0	7.7	7.0	6.2
CAS-LA20	7.7	7.3	6.0	8.0	5.0	4.3	7.7	6.7	5.7	7.3	6.7	6.0	5.3	6.0	5.7	6.0	5.7	4.7	6.7	5.7	5.7	5.7	5.7	7.0	5.0	5.0	6.0	5.3	8.0	7.0	6.1
KITTYHAWK	7.7	8.0	6.0	8.0	5.3	3.7	7.0	7.0	6.0	7.3	6.0	5.7	6.0	6.0	5.7	4.7	5.0	5.0	6.3	6.0	6.0	5.7	8.3	6.3	5.0	5.0	5.7	5.0	7.7	7.3	6.1
AVANTI	7.7	7.7	5.7	8.0	5.7	3.3	7.0	6.7	6.3	8.0	5.3	6.0	6.0	6.0	6.3	4.3	4.3	4.7	6.3	5.7	6.0	6.3	8.3	6.0	5.0	5.0	6.3	5.7	7.7	7.0	6.1
MONARCH	7.7	8.0	5.7	8.0	5.0	3.7	7.0	6.0	5.3	8.0	5.3	5.7	6.3	6.0	5.3	5.3	6.0	5.3	6.0	6.0	6.0	6.3	8.7	6.3	4.3	5.0	6.0	5.0	7.7	7.0	6.1
PYRAMID (SIU-1)	7.3	8.0	6.0	8.0	5.3	3.3	7.3	7.0	6.3	8.0	6.3	6.0	5.3	6.0	5.7	4.3	6.0	5.3	6.0	5.7	5.7	6.0	7.7	7.0	5.0	5.0	6.0	4.3	7.0	6.7	6.1
PSTF-401	7.3	8.0	5.7	7.7	4.7	4.7	7.3	7.3	6.0	7.3	6.0	5.3	6.0	5.7	6.0	5.0	5.0	5.3	5.3	6.0	5.3	6.7	8.0	6.7	4.3	5.0	6.0	5.3	7.3	7.0	6.1
FINELAWN 88	7.3	8.0	5.3	8.0	5.7	4.3	6.7	6.0	6.0	8.0	7.0	5.7	6.0	6.3	4.3	5.3	6.7	5.3	5.3	5.7	5.7	5.7	8.0	6.3	5.3	4.7	6.0	4.3	7.3	6.7	6.1
GRANDE (SR 8400)	7.0	8.0	6.0	8.0	4.7	4.3	7.0	6.3	5.7	8.0	5.7	5.3	6.3	6.0	5.7	5.3	6.0	4.7	6.3	5.3	6.3	5.7	8.0	6.3	4.0	5.0	5.7	5.0	7.7	7.3	6.1
M-2	7.7	7.7	6.0	8.0	5.0	3.0	6.7	7.0	5.7	7.7	4.7	5.7	6.3	5.7	5.7	5.0	6.0	4.7	6.0	5.7	6.0	6.0	8.3	6.3	5.0	5.0	6.0	5.0	7.3	7.7	6.1
AUSTIN	7.7	7.7	5.3	7.7	5.0	3.3	6.7	6.7	5.7	7.7	5.0	6.0	5.7	6.3	6.7	4.3	4.7	5.0	5.3	6.0	5.3	6.0	8.0	6.7	5.3	5.0	6.0	5.7	8.0	7.3	6.1
PSTF-200	7.7	7.7	6.0	7.7	5.0	3.3	7.0	7.0	5.3	7.7	5.3	5.0	6.0	6.0	6.0	4.7	5.0	5.0	5.7	5.7	7.0	6.3	8.0	6.3	4.3	5.0	6.0	5.0	7.3	7.0	6.0
FA-22	7.3	7.7	5.7	8.0	5.0	4.7	6.0	6.3	5.7	7.7	5.0	6.0	5.7	6.0	6.3	4.3	5.7	4.7	6.3	5.3	6.0	5.7	8.0	7.0	5.0	4.3	5.3	5.0	7.3	7.3	6.0
SHENANDOAH	7.7	7.3	6.0	7.7	5.0	4.0	7.0	6.7	5.7	7.3	6.0	6.0	5.7	5.7	5.3	4.7	4.7	5.3	5.3	5.3	6.0	5.7	8.7	6.0	4.7	5.0	6.0	5.3	7.7	7.0	6.0
CAFA101	8.0	7.0	6.3	8.0	4.7	3.7	7.0	6.0	5.7	7.7	6.0	5.7	6.0	5.7	5.3	5.0	5.3	5.0	5.7	5.0	5.7	5.7	8.0	6.3	4.0	5.3	6.0	5.3	7.7	6.7	6.0
PSTF-LF	7.3	7.7	6.0	8.0	5.3	4.3	7.7	6.7	6.3	8.0	4.7	6.0	5.0	5.7	6.0	4.7	5.0	4.7	5.0	5.7	5.3	5.7	8.0	6.7	4.7	4.3	6.0	4.7	7.0	7.0	6.0
TITAN 2 (SR 8010)	7.7	7.3	5.7	8.0	4.7	4.0	5.7	6.7	5.7	8.0	5.3	5.7	5.7	6.0	5.7	5.0	6.0	4.7	6.0	5.3	5.7	5.0	8.0	6.3	4.7	4.7	6.0	5.0	7.3	7.0	5.9
SR 8300	7.3	8.0	5.7	8.0	5.0	4.3	6.7	6.0	5.3	7.7	6.0	5.7	6.0	5.7	4.3	4.0	5.7	5.3	5.3	6.0	6.0	5.0	8.0	6.7	4.7	4.3	5.7	5.3	7.7	7.0	5.9
BONANZA	7.3	7.7	5.7	7.7	5.3	4.3	6.7	6.3	6.3	7.0	5.3	6.0	6.0	6.0	4.7	5.0	4.0	5.7	5.7	5.0	6.0	5.7	8.0	6.0	5.0	4.3	6.0	4.7	7.3	7.0	5.9
BAR FA 214	8.0	7.7	5.7	8.0	5.3	3.3	6.0	6.3	6.0	7.3	4.0	5.3	5.7	5.0	4.7	5.0	5.0	4.7	5.7	5.7	5.0	6.0	8.0	6.0	4.3	5.0	5.7	6.0	7.3	7.0	5.8
ASTRO 2000	7.3	7.0	6.0	7.7	5.0	4.0	5.7	7.0	5.7	7.0	5.7	5.7	6.0	5.7	5.0	4.3	4.7	5.0	5.0	5.0	6.3	5.0	8.0	6.0	4.7	4.3	6.0	4.0	7.0	6.7	5.7
OLYMPIC II	7.7	7.3	5.3	7.7	4.0	4.7	6.7	6.3	5.7	7.3	6.0	5.3	6.0	5.7	5.3	4.3	3.7	6.0	5.0	5.7	5.0	5.0	8.0	6.0	4.0	4.3	5.7	4.3	7.0	6.3	5.7
PHOENIX	8.0	7.0	5.7	7.7	4.7	4.3	6.7	6.0	5.7	7.3	5.3	5.7	6.0	5.3	5.3	4.0	4.0	4.7	5.0	5.0	5.0	5.7	8.0	6.0	4.0	4.3	6.0	4.7	7.3	6.7	5.7
ARID	7.3	7.0	6.0	6.0	4.7	3.7	6.0	5.3	4.7	7.3	5.3	5.3	5.0	5.7	3.7	3.7	2.7	4.3	3.3	5.0	4.3	4.7	8.0	5.7	3.7	4.3	5.3	3.7	7.3	6.0	5.2
FALCON	8.0	7.0	6.0	6.7	4.3	2.7	6.3	5.3	4.7	6.0	5.7	4.7	5.3	5.3	4.3	3.3	3.0	4.3	4.3	5.0	4.3	4.3	7.7	5.0	4.7	3.7	5.0	4.3	6.3	6.0	5.1
ANTHEM	7.7	7.0	6.0	5.3	3.0	3.0	5.3	6.0	4.7	6.7	6.0	4.7	5.0	4.7	3.7	3.0	2.3	3.7	3.3	4.7	3.7	4.3	7.0	5.0	4.0	4.0	5.0	3.7	6.7	4.9	4.9
KY-31 W/ENDO.	8.0	6.7	5.0	5.0	4.0	2.3	4.3	4.3	4.0	5.3	4.3	4.0	4.3	4.0	4.0	2.3	2.0	4.0	2.0	4.3	2.0	4.0	7.3	4.0	3.0	4.0	4.0	4.0	6.3	5.7	4.3
KY-31 NO ENDO.	7.7	6.7	5.3	4.7	4.0	2.7	4.3	4.3	3.7	5.7	3.7	4.0	4.7	4.0	3.7	2.3	2.0	4.7	2.0	4.3	2.3	4.0	7.7	4.0	3.0	3.7	4.0	3.7	6.0	4.7	4.2
LSD VALUE	0.8	0.7	0.7	0.5	0.8	2.2	1.2	1.5	1.0	0.9	2.0	0.6	1.0	1.0	1.0	0.8	1.1	1.3	1.2	0.6	1.3	0.9	1.1	0.6	0.8	1.0	0.6	1.4	1.1	0.9	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 5.

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

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

NAME	IL1	KS1	MO3	MO4	NE1	NE2	NV1	PA2	RI1	SD1	UB1	UB2	WA1	MEAN
KY-31 NO ENDO.	8.7	8.3	2.7	6.0	9.0	7.7	4.7	4.3	6.7	7.0	8.7	7.0	7.3	6.8
KY-31 W/ENDO.	9.0	8.0	3.0	7.7	8.0	8.7	3.0	4.0	5.3	6.0	9.0	7.3	7.0	6.6
ANTHEM	8.0	8.0	4.3	7.0	8.3	7.3	5.3	4.0	6.3	3.7	8.3	6.3	7.0	6.5
ARID	7.7	7.7	4.3	6.0	7.7	6.7	3.7	4.3	5.3	5.7	8.3	6.7	7.3	6.3
FALCON	8.0	7.7	3.3	6.0	8.0	6.7	3.7	4.0	4.3	4.3	8.0	6.3	6.7	5.9
OFI-ATK (ISI-ATK)	7.3	7.0	5.3	5.7	8.0	6.7	4.7	4.0	4.3	4.3	7.3	5.0	6.7	5.9
BONANZA	6.7	6.7	6.0	6.7	7.7	6.0	5.0	4.3	4.3	3.7	7.0	5.3	6.7	5.8
OLYMPIC II	7.0	6.7	3.3	7.0	7.3	6.5	4.7	4.3	5.0	4.7	7.3	5.3	6.7	5.8
SAFARI	6.3	6.3	4.3	6.0	7.7	6.5	5.7	4.0	4.3	4.0	7.7	5.3	6.7	5.8
PHOENIX	7.7	7.0	5.0	5.3	8.7	7.3	2.7	4.0	4.3	4.0	7.0	5.0	6.7	5.7
HOUNDG V (ISI-AFE)	6.7	6.7	6.7	6.0	6.3	6.7	4.3	4.7	3.7	3.3	7.0	5.0	6.7	5.7
JAGUAR 3 (ZPS-J3)	6.7	6.3	5.7	5.7	7.3	6.7	4.7	4.3	4.3	3.0	7.0	5.0	7.0	5.7
TITAN 2 (SR 8010)	6.7	6.7	6.0	7.0	6.7	7.0	4.7	4.3	3.7	4.3	6.3	4.3	6.0	5.7
PSTF-200	7.0	6.7	4.3	6.3	7.3	6.0	5.0	4.0	4.7	3.3	7.7	5.0	6.3	5.7
AUSTIN	7.0	6.3	5.3	5.3	7.3	6.5	5.7	4.0	4.3	3.3	6.7	5.3	6.3	5.7
PYRAMID (SIU-1)	6.3	6.7	6.0	6.7	6.7	5.7	4.3	4.7	4.7	3.7	6.7	5.3	6.0	5.6
SHENANDOAH	6.7	6.3	5.0	6.3	7.7	6.0	3.3	4.0	5.0	4.0	7.0	5.7	6.3	5.6
CAFA101	7.3	6.3	5.3	6.3	6.7	7.3	4.7	4.3	4.0	3.7	6.7	3.7	6.7	5.6
PSTF-IF	7.0	6.7	5.3	7.0	7.3	5.7	3.7	4.0	4.7	3.3	7.0	4.7	6.3	5.6
AVANTI	6.0	7.0	4.7	6.0	7.7	6.0	3.3	4.3	4.7	4.0	7.0	4.7	7.0	5.6
AZTEC	7.3	6.0	6.3	6.3	7.7	5.0	3.7	4.3	4.0	3.3	7.0	5.0	6.3	5.6
DUKE	6.7	6.3	5.3	5.7	6.7	7.0	4.0	4.0	5.0	3.0	7.3	4.3	6.7	5.5
FINELAWN 88	6.7	6.7	5.0	7.0	6.0	6.7	5.3	4.0	4.7	3.3	7.0	4.0	5.3	5.5
BONANZA II	7.0	6.0	6.3	5.7	7.3	6.5	5.0	4.0	4.0	2.3	7.0	4.7	5.7	5.5
CHIEFTAIN II (PICK CII)	6.3	6.7	6.3	6.7	7.3	6.3	3.0	4.0	4.0	3.3	7.3	4.0	6.0	5.5
ISI-AFA	6.0	6.3	6.7	6.7	7.3	6.0	3.7	5.0	4.3	2.7	6.7	4.3	5.7	5.5
COCHISE	6.0	6.3	7.7	6.7	6.5	6.0	4.0	4.3	3.7	3.3	6.3	4.3	5.7	5.4
ASTRO 2000	6.7	6.3	4.7	6.7	6.5	6.0	4.0	3.7	3.7	4.0	7.0	4.7	7.0	5.4
BAR FA 2AB	5.3	6.3	6.3	5.7	7.0	6.5	3.7	5.0	3.0	4.3	7.0	4.3	6.3	5.4
PST-5STB	5.3	6.0	5.3	6.0	7.7	6.0	4.0	4.3	4.0	3.3	7.0	5.0	6.7	5.4
GEN-91	6.0	6.0	8.0	6.3	6.3	5.0	5.0	4.3	4.0	3.0	6.7	3.7	6.3	5.4
PALISADES (OFI-TF-601)	6.3	6.7	5.3	7.0	7.0	5.7	3.3	4.3	3.7	3.0	7.0	4.7	6.7	5.4
BAR FA 0855	6.7	7.0	5.7	6.0	5.7	6.0	4.3	4.3	3.7	3.3	6.7	4.7	6.3	5.4
PSTF-401	6.0	7.0	4.3	6.0	7.3	6.3	4.3	3.7	4.3	2.3	6.7	5.7	6.3	5.4
GUARDIAN	6.3	7.0	6.0	6.3	6.7	4.3	4.0	4.0	4.0	3.3	7.7	4.0	6.3	5.4
LANCER	6.3	6.3	6.7	5.7	6.7	6.7	4.0	4.0	4.0	3.0	7.0	3.3	6.0	5.4
GRANDE (SR 8400)	6.3	6.3	5.3	5.7	7.0	6.3	4.3	4.0	3.7	3.0	6.7	4.7	6.3	5.4
KITTYHAWK	6.3	7.0	5.0	7.0	5.7	5.5	4.3	4.0	4.0	3.0	7.0	4.3	6.3	5.3
ADOBE (SFL)	6.0	6.7	6.7	4.3	7.3	5.3	4.3	4.0	3.7	4.0	7.0	4.0	6.0	5.3
FALCON II (MB-21-92)	5.7	6.0	6.3	5.7	8.0	5.3	5.0	3.7	4.0	3.3	6.3	4.0	6.0	5.3
VEGAS	6.0	6.7	6.3	6.3	6.3	6.3	4.0	4.3	3.7	4.0	6.3	3.0	6.0	5.3
ALAMO (J-1048)	6.3	6.3	5.0	5.7	7.7	7.0	4.3	4.3	4.0	2.3	7.0	4.0	5.3	5.3
MARKSMAN (MB-23-92)	5.7	5.7	6.3	6.3	7.0	5.7	4.0	3.7	4.3	3.3	6.3	4.7	6.3	5.3
MONTAUK	6.7	6.3	5.3	5.7	7.7	4.3	4.3	4.0	4.0	3.0	7.0	4.7	6.3	5.3
PRO-9178	5.7	6.0	5.7	6.0	7.3	6.3	3.3	4.0	4.3	3.3	7.0	4.0	6.0	5.3
FINELAWN PETITE	5.7	6.0	5.0	6.3	7.0	6.5	3.7	4.7	3.7	3.0	6.7	4.3	6.0	5.3
MONARCH	6.7	6.0	5.3	6.0	6.7	5.5	5.0	4.3	3.7	3.0	6.3	4.0	6.0	5.3
BAR FA 214	6.0	5.7	6.3	5.7	8.0	5.0	3.3	4.7	3.7	3.0	7.3	3.3	6.3	5.3
PST-5DX W/ENDOPHYTE	6.0	6.3	5.3	5.7	6.7	6.0	4.3	4.3	3.3	3.0	6.3	4.0	6.7	5.2

TABLE 5. (CONT'D)

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS
 1994 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	IL1	KS1	MO3	MO4	NE1	NE2	NV1	PA2	RI1	SD1	UB1	UB2	WA1	MEAN
M-2	6.3	6.3	5.3	6.7	5.0	4.5	4.7	4.0	4.3	2.7	7.0	4.7	6.3	5.2
ELDORADO	6.7	6.7	6.0	5.7	5.7	5.0	3.3	4.3	3.7	3.3	6.7	4.3	6.3	5.2
ISI-CRC	6.7	6.7	5.3	4.7	7.3	5.0	3.0	4.0	3.0	3.7	7.0	5.0	6.3	5.2
VIRTUE	6.0	6.3	5.0	6.7	6.3	6.0	3.7	4.7	3.3	2.7	7.0	4.3	5.7	5.2
PICK 90-10	5.3	6.0	6.7	5.3	8.0	6.7	3.3	4.3	3.7	3.0	6.3	3.0	5.7	5.2
EMPRESS (ZPS-E2)	6.0	6.0	5.3	6.3	7.0	6.3	3.0	3.7	3.7	4.3	6.7	3.0	6.0	5.2
ATF-007	6.0	5.7	6.7	6.3	7.0	4.0	5.0	4.3	3.3	3.0	5.7	3.7	6.3	5.2
CAS-MA21	6.0	6.7	5.0	5.7	7.3	5.0	4.0	3.7	4.3	3.0	6.0	4.3	6.0	5.2
FA-19	5.7	5.7	5.0	6.0	7.0	4.3	4.7	4.0	4.0	3.3	6.3	4.0	7.0	5.2
SOUTHERN CHOICE (MB-25-92)	5.7	6.0	6.0	6.0	6.0	6.3	4.0	3.7	3.7	3.0	7.0	3.7	6.0	5.2
SR 8300	6.7	6.0	5.7	5.3	6.7	5.3	3.3	4.0	3.7	3.0	6.7	4.0	6.3	5.1
403	6.7	7.0	5.3	6.7	5.0	5.5	3.7	3.7	4.0	2.3	7.3	4.0	5.3	5.1
PST-5VC	6.7	6.0	5.0	5.7	5.5	6.0	3.7	5.0	4.0	2.0	7.0	4.0	6.0	5.1
SR 8210	6.3	6.0	5.7	5.7	7.0	5.7	4.7	4.0	3.3	3.0	6.3	3.0	5.7	5.1
PIXIE	5.7	6.0	6.0	6.3	7.3	4.7	4.0	4.0	3.3	2.7	6.7	3.7	6.0	5.1
MB-22-92	6.0	5.7	7.0	6.7	6.0	5.0	2.7	4.3	3.3	2.7	6.0	4.7	6.0	5.1
PST-5EM	6.3	6.0	5.3	6.0	7.3	6.0	3.3	4.3	2.7	3.0	6.7	3.7	5.3	5.1
SHORTSTOP (PICK 90-06)	5.3	6.3	6.0	6.0	6.0	6.5	3.3	4.0	3.3	3.3	6.7	3.0	6.0	5.1
CORONADO (PST-RDG)	5.3	6.0	6.7	5.7	6.7	5.7	4.0	4.3	2.3	3.0	6.7	3.0	6.3	5.1
REBEL, JR.	6.7	6.3	5.3	5.3	5.7	6.3	3.0	4.3	3.3	2.7	6.3	4.0	6.3	5.1
STARLET (MB-24-92)	5.3	6.0	7.0	6.7	6.7	5.7	3.0	4.0	4.0	3.3	5.3	3.3	5.3	5.1
MIRAGE (KWS-DSL)	6.0	6.3	5.7	6.3	6.0	4.0	4.3	4.0	3.7	3.0	6.7	3.3	6.0	5.0
APACHE II (PST-59D)	5.3	6.7	6.3	5.3	5.0	5.7	4.3	4.3	3.7	3.0	6.3	3.0	6.0	5.0
LEPRECHAUN	6.0	6.0	5.7	6.0	7.7	5.7	2.7	4.3	3.7	3.0	6.0	3.3	5.0	5.0
SILVERADO	6.7	6.3	5.7	6.0	6.0	6.0	3.0	4.3	3.7	2.7	6.3	2.7	5.7	5.0
CROSSFIRE II (PICK 90-12)	5.3	6.7	6.0	4.7	5.0	7.3	3.3	4.0	4.0	3.0	6.3	3.3	5.7	5.0
DEBUTANTE (WXI-208-2)	5.3	6.3	5.3	6.7	7.0	5.7	3.3	4.0	3.3	3.0	5.7	3.7	5.3	5.0
FA-22	6.3	6.0	4.7	5.0	7.0	5.7	4.0	4.0	3.0	3.0	6.7	3.3	6.0	5.0
REBEL 3D	5.7	6.3	5.7	5.3	7.7	5.7	3.3	4.0	3.7	2.3	6.0	3.0	5.7	4.9
TRAILBLAZER II	6.0	6.0	5.3	4.7	6.3	5.3	4.3	4.0	3.3	3.0	6.3	4.0	5.3	4.9
TOMAHAWK	6.0	6.3	5.0	6.0	6.0	4.5	3.7	4.3	3.0	3.0	6.3	4.0	5.7	4.9
LEXUS	6.3	6.0	6.3	5.7	6.3	4.3	2.7	4.3	3.3	3.0	6.0	3.3	6.0	4.9
SR 8200	5.3	6.0	5.7	5.7	6.7	4.0	4.0	4.0	3.3	3.0	6.3	3.7	6.0	4.9
CAS-LA20	5.7	6.3	5.0	5.0	6.3	5.7	3.3	4.0	3.7	3.3	5.7	3.7	5.7	4.9
COYOTE (ZPS-ML)	5.0	6.0	7.3	6.3	6.7	4.0	2.3	4.7	2.7	3.0	6.0	2.7	6.3	4.8
DUSTER (ITR-90-2)	5.7	5.7	5.3	5.7	7.7	4.0	3.7	4.7	3.0	2.3	6.0	3.3	5.7	4.8
MICRO DD	5.0	6.0	6.3	5.0	7.0	5.5	3.3	4.0	3.0	2.7	6.3	2.0	6.0	4.8
BONSAI PLUS	5.7	6.0	6.0	6.0	5.3	4.0	4.0	4.3	3.3	2.7	6.3	2.3	5.7	4.7
GAZELLE (ZPS-VL)	5.0	5.7	6.7	6.0	5.7	5.0	2.7	4.3	2.7	3.0	6.0	2.7	6.0	4.7
NINJA (ATF-006)	5.3	5.7	6.0	6.0	5.0	4.0	3.7	4.3	4.0	2.3	6.3	3.0	5.3	4.7
TWILLIGHT	4.7	6.0	5.7	6.0	6.3	5.3	3.0	4.0	3.3	3.0	4.3	3.3	5.3	4.6
BONSAI	5.7	5.7	6.0	5.3	6.0	5.5	2.3	5.3	3.0	2.3	4.3	2.7	5.7	4.6
PST-5LX	5.0	5.7	6.0	6.0	6.3	4.5	3.3	4.3	2.3	2.7	5.7	2.0	5.0	4.5
LSD VALUE	1.2	1.1	1.6	1.7	3.2	2.2	1.9	0.9	1.4	1.0	0.8	1.3	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 6.

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

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

NAME	AL1	AZ1	BC1	CA1	IL1	KS1	MO2	MO3	MS1	NE1	NE2	NJ2	NV1	PA1	RI1	SD1	TX1	UB1	UB2	VA1	VA4	VA6	VA8	WA1	MEAN
ATF-007	4.3	5.7	6.0	7.3	6.0	7.3	8.0	6.7	6.3	2.7	3.3	9.0	5.3	7.7	3.3	6.0	3.3	7.0	6.0	6.7	6.3	7.0	5.7	2.0	5.8
BONSAI	4.3	6.3	6.3	7.3	6.0	7.7	8.0	6.3	5.7	4.0	3.3	7.3	4.7	8.0	3.3	6.3	3.0	6.7	7.0	6.0	6.7	7.0	4.7	3.0	5.8
EMPRESS (ZPS-E2)	4.3	6.0	5.3	7.0	6.3	6.7	8.0	5.7	5.7	3.7	3.3	8.7	4.3	7.7	4.0	5.3	3.3	6.7	6.3	6.7	7.0	7.0	5.7	2.0	5.7
NINJA (ATF-006)	4.7	6.3	5.7	7.0	5.7	7.3	8.0	6.0	5.3	4.0	4.0	7.3	4.7	7.7	4.0	6.3	2.7	6.3	6.7	6.0	6.0	6.7	5.3	2.7	5.7
ADOBE (SFL)	4.7	6.0	6.0	7.3	5.7	7.0	8.0	5.7	6.0	3.7	3.7	7.3	5.0	7.3	3.3	5.3	3.3	6.0	6.7	6.3	6.7	7.0	6.3	2.0	5.7
SHORTSTOP (PICK 90-06)	4.0	6.0	5.7	7.3	5.7	7.3	7.7	7.3	5.3	5.0	2.7	7.3	4.7	8.0	3.0	5.3	3.0	6.7	6.7	6.3	6.3	7.0	5.0	2.3	5.7
FA-22	4.0	6.0	6.0	7.0	6.0	6.3	7.7	6.7	6.0	4.0	4.0	8.0	5.7	7.3	3.0	5.3	2.7	6.0	6.3	6.0	6.0	7.0	5.7	2.0	5.6
JAGUAR 3 (ZPS-J3)	4.3	6.0	5.0	7.0	6.3	7.0	8.0	6.7	6.0	2.7	3.3	7.7	4.3	7.0	3.0	6.3	3.0	6.7	6.3	6.3	6.0	7.0	6.3	2.3	5.6
BAR FA 214	4.7	5.7	6.3	7.3	6.7	7.3	7.7	7.0	6.7	3.3	3.3	7.0	3.3	8.0	2.7	5.7	3.3	6.0	5.3	6.0	6.3	7.0	5.3	2.3	5.6
LEXUS	4.0	6.0	6.3	6.7	5.7	7.7	8.0	6.0	5.7	3.3	2.7	7.0	4.0	7.7	3.0	5.0	3.3	6.7	7.0	7.3	6.3	7.3	5.3	2.0	5.6
GAZELLE (ZPS-VL)	4.7	5.7	5.0	7.3	5.7	7.3	8.0	6.7	6.7	3.7	3.3	6.7	3.7	7.3	3.0	5.3	3.3	6.3	6.3	6.0	6.3	7.0	5.7	2.7	5.6
MICRO DD	4.0	5.3	5.7	7.0	6.0	6.3	8.0	7.0	5.7	3.7	3.0	7.7	5.0	7.0	3.3	5.7	3.3	6.3	6.3	6.7	6.0	7.0	5.3	2.0	5.6
PST-5VC	4.0	6.0	5.7	7.0	5.7	6.7	8.0	6.0	4.3	4.3	2.7	7.7	4.3	7.7	4.0	5.3	3.0	6.0	6.7	7.3	6.3	7.0	5.7	2.0	5.6
MIRAGE (KWS-DSL)	4.0	6.0	5.7	7.0	5.7	6.0	8.0	7.0	5.0	3.7	3.3	6.7	4.3	7.3	3.7	6.3	3.0	6.3	6.0	6.7	6.3	6.3	6.7	2.0	5.5
LANCER	4.3	5.7	5.7	7.3	6.3	7.0	7.3	7.0	5.3	2.7	3.0	7.3	4.3	6.3	3.3	6.0	3.0	7.0	6.3	5.7	6.7	7.0	5.3	2.3	5.5
FA-19	5.0	5.7	5.0	7.0	6.3	6.3	8.0	6.3	5.7	4.0	3.0	7.0	5.0	7.3	3.3	5.3	2.7	6.3	6.0	6.0	6.3	6.3	6.3	2.0	5.5
DUSTER (ITR-90-2)	4.3	6.0	5.0	7.3	6.0	6.7	8.0	7.0	5.7	3.7	3.7	6.3	4.3	7.0	4.3	5.7	2.0	6.0	6.3	6.7	6.3	6.3	5.0	2.3	5.5
CORONADO (PST-RDG)	4.3	6.3	5.7	7.0	6.0	6.3	8.0	7.0	5.3	3.7	3.7	5.7	5.0	7.3	3.0	5.7	3.7	5.7	6.0	6.0	6.0	7.0	5.3	2.0	5.5
PIXIE	4.3	6.0	6.0	7.3	5.7	6.3	7.7	6.0	6.0	3.7	4.0	6.3	5.3	7.7	3.3	4.7	3.3	7.0	6.0	5.3	5.7	7.0	5.0	2.0	5.5
COYOTE (ZPS-ML)	4.0	5.7	5.7	7.0	6.0	6.7	7.7	5.0	5.7	3.3	3.7	7.3	4.7	7.7	3.3	6.0	3.0	6.3	6.0	6.0	6.7	6.7	5.0	2.3	5.5
PICK 90-10	4.3	6.3	6.0	7.0	6.0	7.0	8.0	6.0	5.7	3.0	2.3	6.7	4.3	7.7	3.3	5.0	3.0	7.0	6.0	5.7	6.3	7.0	5.3	2.0	5.5
SOUTHERN CHOICE (MB-25-92)	4.0	5.7	5.3	7.0	6.0	7.0	7.7	5.0	6.3	3.3	3.3	7.0	5.3	7.0	2.7	5.3	3.3	6.7	6.3	6.0	6.0	7.0	5.7	2.0	5.5
ISI-AFA	5.0	5.3	5.0	7.0	5.7	6.0	8.0	7.0	5.0	4.3	3.3	6.7	4.7	7.3	3.3	5.7	2.7	6.0	6.0	6.7	6.0	6.0	5.7	2.3	5.4
DEBUTANTE (WXI-208-2)	4.7	5.3	4.7	7.0	6.0	7.0	8.0	6.3	6.3	3.7	3.3	5.7	4.3	7.0	3.3	5.7	3.3	5.7	6.0	6.3	6.7	6.7	5.3	2.0	5.4
FALCON II (MB-21-92)	4.0	6.0	5.3	7.0	5.7	7.3	8.0	6.0	5.3	3.3	3.0	7.0	4.7	6.7	3.3	6.0	3.0	6.7	6.0	6.0	5.7	6.7	5.7	2.0	5.4
TITAN 2 (SR 8010)	4.7	5.3	5.3	7.3	6.3	6.3	8.0	4.7	6.3	3.7	3.0	5.7	5.0	6.7	3.0	5.7	2.7	6.0	5.7	6.3	6.0	7.3	6.7	2.0	5.4
OFL-ATK (ISI-ATK)	4.7	5.0	5.7	7.0	6.3	6.7	7.3	6.0	5.3	3.3	2.7	6.3	5.0	6.7	4.0	5.7	3.0	6.0	5.3	6.0	5.7	7.7	5.7	2.0	5.4
AZTEC	4.0	5.0	5.3	7.0	6.0	6.3	7.3	5.0	5.7	4.0	4.0	6.0	4.7	7.0	3.7	5.3	3.0	6.0	6.0	6.0	6.3	6.7	6.3	2.0	5.4
PST-5DX W/ENDOPHYTE	4.0	5.7	5.0	7.3	6.7	6.7	8.0	6.3	5.3	3.3	3.0	6.0	5.0	7.0	3.0	5.3	3.0	6.0	6.0	6.0	6.3	7.0	5.0	2.0	5.4
M-2	4.7	5.7	4.7	7.0	6.3	7.0	7.7	5.7	5.7	4.3	3.3	6.3	5.3	6.0	3.3	5.0	2.7	5.3	5.7	6.3	6.0	7.0	5.7	2.0	5.4
ALAMO (J-1048)	4.7	5.7	4.7	6.7	5.3	6.3	7.3	5.7	5.3	5.7	3.3	6.7	5.3	6.7	3.7	5.3	3.0	6.3	5.3	6.3	5.3	6.3	5.7	1.7	5.3
ELDORADO	4.3	5.7	4.7	7.0	6.0	6.7	7.7	5.7	5.7	3.7	3.5	5.7	4.3	7.0	3.3	6.0	3.0	6.3	6.0	6.3	6.0	6.7	4.7	2.0	5.3
PST-5PM	4.7	5.7	5.3	7.0	6.0	6.3	8.0	5.0	5.3	4.0	2.5	6.3	4.3	7.0	3.3	4.7	3.0	6.3	6.0	5.7	6.0	7.3	6.0	2.0	5.3
CROSSFIRE II (PICK 90-12)	4.7	5.7	5.0	7.0	5.3	6.7	8.0	5.3	5.3	3.3	3.3	6.0	4.3	7.0	3.7	5.3	3.0	7.0	6.0	6.3	6.0	6.3	5.0	2.0	5.3
PRO-9178	4.7	6.0	6.0	7.0	5.3	6.3	7.7	6.0	5.0	4.0	3.7	6.3	4.7	7.0	2.3	5.0	3.0	6.0	6.0	6.0	6.3	6.7	4.7	2.0	5.3
SILVERADO	4.3	5.3	5.3	7.0	6.0	7.0	8.0	5.0	6.0	3.3	4.0	5.3	5.3	6.3	3.7	5.7	2.7	5.3	5.3	6.7	6.3	6.0	5.3	2.3	5.3
HOUNDG V (ISI-AFE)	5.0	5.7	4.3	6.7	5.7	6.3	8.0	5.7	6.0	3.0	3.7	6.7	4.3	6.7	4.0	5.0	3.0	6.3	5.7	6.0	6.3	6.3	5.0	2.0	5.3
ISI-CRC	4.7	6.0	5.0	6.7	6.0	6.7	8.0	6.3	5.7	4.0	3.0	5.3	3.7	7.0	3.3	5.3	3.3	5.3	5.3	6.3	6.0	6.0	6.3	2.0	5.3
PST-5LX	4.0	5.3	5.0	6.7	5.7	6.0	7.3	6.0	5.3	4.0	4.5	6.7	5.0	7.0	3.3	5.7	3.0	5.3	6.0	6.3	5.3	6.3	5.3	2.0	5.3
FINELAWN PETITE	4.3	6.0	5.0	7.0	5.3	6.3	8.0	5.3	5.7	4.0	3.7	6.3	5.0	7.7	3.3	4.7	2.7	5.0	6.0	6.0	6.0	6.0	5.7	2.0	5.3
MARKSMAN (MB-23-92)	5.0	5.3	5.7	7.0	6.0	6.7	7.3	5.3	5.7	3.0	3.7	5.3	4.7	6.7	3.0	5.3	3.0	6.0	6.0	6.3	6.0	6.7	5.0	2.0	5.3
SR 8210	4.0	5.7	5.0	6.7	5.7	6.7	8.0	5.0	5.7	2.7	3.3	5.7	6.0	6.3	3.3	5.3	3.0	6.0	5.7	6.7	6.0	6.7	5.7	2.0	5.3
TOMAHAWK	4.0	5.3	5.0	6.7	5.7	7.0	8.0	5.3	5.7	4.7	3.3	6.0	4.3	6.7	3.3	5.3	3.0	5.3	5.7	6.0	6.0	6.7	5.7	2.0	5.3
APACHE II (PST-59D)	4.0	6.0	5.7	7.0	5.3	6.3	7.7	5.7	5.3	4.3	3.0	6.0	4.7	6.7	3.7	5.0	3.0	6.0	6.0	5.7	6.3	6.0	5.0	2.0	5.3
BONSAI PLUS	4.7	6.0	5.0	7.0	6.0	5.7	8.0	5.3	5.0	4.0	3.3	6.3	4.7	6.7	3.0	4.3	3.3	5.3	6.0	6.0	6.0	6.3	6.3	2.0	5.3
GEN-91	4.3	5.7	4.7	6.7	5.0	6.0	7.7	6.3	5.7	3.0	3.3	7.0	4.0	6.3	4.0	5.3	3.0	5.7	6.0	6.3	6.0	6.3	5.7	2.3	5.3
GRANDE (SR 8400)	4.3	6.0	5.0	7.0	6.3	6.7	8.0	6.3	5.7	3.7	3.0	5.3	4.3	7.0	2.7	5.7	3.0	5.3	5.3	5.7	6.0	6.3	5.7	2.0	5.3
STARLET (MB-24-92)	5.0	6.0	5.0	7.0	5.7	6.3	7.7	6.3	5.0	3.3	3.0	5.0	4.0	7.3	2.7	5.7	3.0	6.0	6.0	6.7	6.0	6.3	5.0	2.0	5.3
PST-5STB	4.3	6.0	5.3	6.7	5.0	6.0	7.7	5.7	5.0	3.7	3.7	5.7	4.3	7.0	2.7	5.3	3.3	5.7	6.0	6.3	6.0	6.7	6.0	2.0	5.3

TABLE 6. (CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	AL1	AZ1	BC1	CA1	IL1	KS1	MO2	MO3	MS1	NE1	NE2	NJ2	NV1	PA1	RI1	SD1	TX1	UB1	UB2	VA1	VA4	VA6	VA8	WA1	MEAN
CAS-MA21	4.3	5.3	4.7	7.0	6.3	6.3	7.7	5.3	6.0	3.7	3.0	5.3	5.3	7.0	3.3	5.3	3.0	5.7	5.0	6.3	5.7	6.0	5.7	2.0	5.2
FINELAWN 88	4.3	5.3	5.0	7.0	5.3	5.7	8.0	6.7	5.0	4.7	4.7	5.3	5.0	6.7	3.3	5.3	3.0	5.0	5.3	5.7	6.0	6.0	5.0	2.0	5.2
VEGAS	4.0	5.0	5.3	6.3	5.0	6.7	7.7	6.0	5.0	4.3	3.7	6.0	4.3	7.3	3.3	5.0	2.7	5.3	6.0	6.3	6.3	6.3	5.3	2.0	5.2
MONTAUK	5.0	5.0	5.0	6.7	5.3	7.0	8.0	5.3	5.0	4.0	3.7	5.3	5.0	7.7	3.7	5.0	3.0	6.0	5.0	5.7	6.0	5.7	5.0	2.0	5.2
PALISADES (OFI-TF-601)	4.3	5.7	5.3	6.3	5.7	6.7	8.0	5.7	6.3	2.7	3.7	6.3	4.3	7.3	3.7	4.7	3.0	5.3	5.0	6.0	5.7	6.3	5.0	2.0	5.2
BAR FA 0855	4.7	5.0	5.0	7.0	4.7	7.3	7.5	5.3	4.7	4.3	3.7	5.7	5.0	6.7	3.3	6.0	3.3	5.3	5.0	6.3	6.0	5.7	5.3	2.0	5.2
TRAILBLAZER II	4.0	5.0	5.7	6.3	5.7	6.3	7.7	5.3	5.7	4.3	3.0	6.0	4.0	6.7	2.7	5.0	3.0	6.0	6.0	5.7	6.3	7.0	5.3	2.0	5.2
REBEL, JR.	4.0	5.3	5.3	6.7	5.0	5.3	8.0	5.3	5.7	3.7	3.3	6.3	4.3	7.0	3.3	5.3	3.0	6.0	5.7	6.3	6.0	6.3	5.3	2.0	5.2
SAFARI	4.7	5.3	4.3	7.3	5.3	6.0	7.3	5.0	5.0	5.3	4.0	6.3	4.3	6.3	3.3	5.3	3.0	5.3	5.0	6.3	6.0	6.3	5.3	2.0	5.2
KITTYHAWK	4.3	5.7	5.0	7.0	5.7	5.7	7.7	5.0	5.7	4.0	2.7	6.3	4.7	6.7	3.0	5.3	3.0	5.7	5.0	5.7	6.0	6.7	6.0	2.0	5.2
403	4.3	5.7	5.3	7.3	6.0	6.3	7.3	6.0	6.0	4.3	3.3	5.0	5.0	5.7	3.0	4.3	3.0	6.0	6.0	5.3	6.0	6.7	4.3	2.0	5.2
PYRAMID (SIU-1)	4.3	5.3	5.3	7.3	5.7	6.7	7.7	4.7	5.7	3.0	3.7	5.3	4.7	7.0	2.7	6.3	3.0	5.7	5.3	6.0	5.7	6.3	5.0	2.0	5.2
AVANTI	4.3	5.0	6.0	6.7	5.0	6.3	7.7	5.0	6.3	4.0	2.3	5.0	4.3	7.3	3.7	5.0	3.3	5.7	5.3	6.3	6.3	5.7	5.3	2.3	5.2
CHIEFTAIN II (PICK CII)	4.3	5.3	6.3	7.0	5.7	6.7	7.3	5.7	5.3	3.3	3.0	6.0	4.0	7.3	3.3	5.3	3.0	5.3	6.0	4.7	6.0	6.3	5.0	2.0	5.2
BAR FA 2AB	4.7	5.3	5.7	7.0	5.0	5.7	8.0	5.0	5.3	4.0	3.7	5.0	5.0	7.0	3.7	5.0	3.0	5.7	6.0	5.7	6.0	5.7	5.0	2.0	5.2
SR 8200	4.3	5.7	4.7	7.0	6.0	6.7	7.0	5.3	6.0	3.0	3.7	6.3	4.0	6.7	2.7	5.0	3.0	5.7	5.7	6.3	5.7	6.7	5.0	2.0	5.2
CAS-LA20	4.7	5.3	5.0	7.3	5.3	6.7	7.7	4.7	5.0	4.3	3.0	5.0	3.7	7.7	4.0	5.3	2.3	5.3	5.3	6.3	6.0	6.7	4.7	2.0	5.1
MB-22-92	4.3	5.7	5.3	7.0	5.3	6.3	8.0	5.7	5.3	3.7	3.3	5.3	4.3	6.7	2.7	5.7	3.0	6.0	5.0	6.0	5.3	6.0	5.0	2.0	5.1
LEPRECHAUN	4.3	5.0	5.3	6.3	5.3	6.3	7.7	5.3	5.7	3.0	3.0	5.7	3.7	7.3	3.0	5.7	3.3	6.3	5.3	6.0	6.0	6.3	5.0	2.0	5.1
BONANZA II	4.7	5.0	4.7	7.0	5.3	5.7	8.0	4.7	5.7	3.7	4.0	5.0	5.3	6.7	3.7	4.3	3.0	5.7	5.0	6.0	5.7	7.0	5.0	2.0	5.1
COCHISE	4.3	5.7	5.0	7.0	6.3	6.3	7.0	5.0	5.0	3.3	3.3	5.0	4.0	7.3	2.7	5.0	3.0	5.7	6.0	6.0	5.7	6.7	5.0	2.0	5.1
MONARCH	4.3	5.0	5.0	7.0	5.7	6.3	7.3	5.0	5.0	4.0	3.7	4.7	5.0	7.3	3.3	4.7	3.0	5.0	5.0	6.0	5.7	6.7	5.3	2.3	5.1
OLYMPIC II	4.7	5.3	4.7	6.7	5.3	5.7	7.0	5.3	5.0	4.7	3.7	4.7	5.0	6.0	4.0	6.0	3.0	5.3	5.0	5.3	6.0	6.7	5.3	2.0	5.1
SR 8300	4.7	5.3	5.3	6.7	6.0	6.0	7.7	5.3	5.3	3.0	2.7	5.0	3.3	7.3	3.7	5.7	5.7	5.0	5.3	6.0	6.3	5.0	2.0	5.1	
GUARDIAN	4.0	5.3	5.0	7.0	6.0	6.0	7.3	6.0	4.7	3.7	3.0	5.3	4.3	6.3	4.0	5.0	2.7	5.0	5.0	6.0	6.0	6.3	6.0	1.7	5.1
PSTF-200	4.3	5.3	4.7	6.7	6.0	6.3	7.7	5.3	6.0	3.0	3.3	5.7	4.3	6.0	4.3	4.3	2.7	5.3	5.3	6.0	6.0	6.3	4.7	2.0	5.1
PSTF-401	4.0	5.0	5.0	6.7	6.3	7.3	7.0	5.0	4.0	3.3	3.3	5.3	5.0	6.3	3.7	4.3	2.7	5.0	5.0	5.7	5.7	6.7	6.3	2.0	5.0
REBEL 3D	4.3	5.0	5.0	7.0	5.3	6.0	8.0	5.3	5.0	4.0	3.7	5.7	4.3	6.7	4.0	5.0	3.0	5.0	5.7	5.7	5.0	5.7	4.3	2.0	5.0
DUKE	4.7	5.0	5.0	6.7	5.3	5.7	7.3	5.0	5.3	3.0	3.3	5.3	5.0	7.0	3.0	5.0	3.0	5.7	5.0	5.3	5.7	6.3	4.7	2.0	5.0
ASTRO 2000	4.7	5.3	5.3	6.3	6.0	5.3	7.3	5.0	5.0	4.3	4.0	3.7	4.7	6.0	2.7	5.7	3.3	5.0	5.7	5.7	5.7	6.0	4.3	2.0	5.0
AUSTIN	4.3	5.0	4.3	6.7	5.3	6.0	7.7	5.3	5.0	3.3	3.7	6.7	4.7	6.0	3.0	4.7	3.0	4.7	4.7	6.3	5.3	7.0	5.0	1.3	5.0
SHENANDOAH	4.3	5.0	5.0	6.7	5.3	6.0	7.3	5.7	5.0	3.3	3.0	5.0	4.0	6.7	3.3	5.3	3.0	5.3	5.0	5.7	5.0	6.3	5.0	2.0	4.9
CAFA101	4.3	5.3	4.3	6.7	4.7	5.3	7.3	4.7	5.7	4.3	3.7	4.3	4.7	6.7	3.3	5.3	3.0	5.0	5.0	6.0	5.7	6.3	4.7	1.7	4.9
VIRTUE	4.7	5.0	4.7	6.7	5.3	6.0	8.0	5.0	4.3	4.3	2.7	6.0	4.7	5.7	3.3	4.3	2.7	5.0	5.3	5.3	5.7	6.3	5.0	2.0	4.9
PSTF-LF	4.7	5.0	5.0	6.3	6.0	6.3	7.3	5.0	5.0	4.0	3.0	5.0	4.0	6.0	3.7	4.3	2.7	5.3	4.7	6.0	5.3	6.0	5.0	1.7	4.9
PHOENIX	4.7	5.0	4.7	6.0	4.7	6.3	7.3	4.7	6.3	3.7	4.3	3.0	4.3	5.7	3.3	5.0	3.0	5.3	5.0	5.0	6.0	6.0	4.7	1.7	4.8
TWILIGHT	4.0	6.0	4.0	6.3	5.0	6.0	8.0	4.3	5.3	4.7	3.3	4.7	3.7	6.0	3.3	4.3	3.0	5.0	5.0	5.3	5.3	5.3	4.7	1.7	4.8
ARID	4.3	5.0	5.0	5.7	5.7	4.7	7.3	4.0	4.7	2.7	3.3	3.3	5.3	5.3	3.7	5.3	3.7	5.0	4.3	6.0	5.0	6.7	4.7	1.7	4.7
BONANZA	4.7	5.0	4.3	6.3	5.0	5.0	7.3	4.3	6.0	4.0	3.3	3.7	4.7	6.0	2.3	4.7	2.7	4.3	5.0	5.0	5.3	5.7	4.7	1.7	4.6
FALCON	4.7	5.0	4.0	6.3	5.3	5.3	6.3	4.7	5.3	3.3	3.7	2.7	5.0	6.0	3.7	4.3	2.7	4.0	3.7	4.3	5.0	5.3	5.7	1.3	4.5
ANTHEM	4.7	5.0	3.7	4.7	4.7	5.7	7.3	4.3	5.7	3.7	3.3	2.3	5.0	5.0	3.3	4.0	2.7	4.0	4.0	4.0	4.7	5.3	4.3	1.3	4.3
KY-31 NO ENDO.	2.0	4.0	3.3	4.3	4.7	4.0	5.7	2.3	4.3	3.3	4.7	1.0	3.3	4.0	3.3	4.3	2.3	3.0	3.3	3.0	4.0	5.7	3.0	1.0	3.5
KY-31 W/ENDO.	2.0	4.0	3.3	4.3	4.0	3.7	5.3	1.7	4.3	5.0	5.0	1.0	3.3	2.7	3.3	4.0	2.7	3.0	3.0	3.0	4.0	4.7	2.3	1.0	3.4
LSD VALUE	0.8	0.7	1.1	0.8	1.1	1.3	0.7	1.3	1.3	2.1	1.3	1.4	1.2	1.2	1.3	1.0	0.8	0.7	0.7	1.2	0.7	1.1	1.1	0.5	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 7. WEAR TOLERANCE (SUMMER) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 1/

NAME	MO1
REBEL, JR.	8.3
ISI-AFA	8.0
ADOBE (SFL)	7.7
APACHE II (PST-59D)	7.7
BONSAI PLUS	7.7
CAFAL01	7.7
CROSSFIRE II (PICK 90-12)	7.7
FA-22	7.7
FINELAWN 88	7.7
FINELAWN PETITE	7.7
GEN-91	7.7
JAGUAR 3 (ZPS-J3)	7.7
LEXUS	7.7
MARKSMAN (MB-23-92)	7.7
MB-22-92	7.7
PICK 90-10	7.7
PSTF-200	7.7
SHENANDOAH	7.7
SR 8210	7.7
STARLET (MB-24-92)	7.7
PST-5VC	7.5
ALAMO (J-1048)	7.3
AUSTIN	7.3
AZTEC	7.3
BONANZA	7.3
CAS-LA20	7.3
CAS-MA21	7.3
CHIEFTAIN II (PICK CII)	7.3
DEBUTANTE (WXI-208-2)	7.3
DUKE	7.3
EMPRESS (ZPS-E2)	7.3
FA-19	7.3
GAZELLE (ZPS-VL)	7.3
GUARDIAN	7.3
LANCER	7.3
MIRAGE (KWS-DSL)	7.3
MONTAUK	7.3
PALISADES (OFI-TF-601)	7.3
PIXIE	7.3
PST-5STB	7.3
SILVERADO	7.3
SR 8200	7.3
TRAILBLAZER II	7.3
TWILIGHT	7.3
VEGAS	7.3
VIRTUE	7.3
403	7.0

WEAR TOLERANCE (SUMMER) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE

NAME	MO1
ASTRO 2000	7.0
ATF-007	7.0
BAR FA 0855	7.0
BAR FA 214	7.0
BONANZA II	7.0
COCHISE	7.0
CORONADO (PST-RDG)	7.0
DUSTER (ITR-90-2)	7.0
ELDORADO	7.0
FALCON II (MB-21-92)	7.0
GRANDE (SR 8400)	7.0
ISI-CRC	7.0
KITTYHAWK	7.0
LEPRECHAUN	7.0
MICRO DD	7.0
NINJA (ATF-006)	7.0
OFI-ATK (ISI-ATK)	7.0
OLYMPIC II	7.0
PHOENIX	7.0
PRO-9178	7.0
PST-5LX	7.0
PST-5PM	7.0
PYRAMID (SIU-1)	7.0
SR 8300	7.0
TOMAHAWK	7.0
AVANTI	6.7
BONSAI	6.7
COYOTE (ZPS-ML)	6.7
PST-5DX W/ENDOPHYTE	6.7
PSTF-401	6.7
REBEL 3D	6.7
SAFARI	6.7
SOUTHERN CHOICE (MB-25-92)	6.7
TITAN 2 (SR 8010)	6.7
ANTHEM	6.3
FALCON	6.3
M-2	6.3
ARID	6.0
BAR FA 2AB	6.0
PSTF-LF	6.0
SHORTSTOP (PICK 90-06)	6.0
MONARCH	5.7
HOUNDOG V (ISI-AFE)	5.0
KY-31 NO ENDO.	5.0
KY-31 W/ENDO.	4.7
LSD VALUE	1.4

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

TABLE 8.

 SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS
 1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/												
	AR1	AR2	MO1	MO2	MO3	MO4	NE3	NV1	NY1	PA1	SD1	SK1	MEAN
TITAN 2 (SR 8010)	7.7	5.7	6.7	8.0	7.3	8.0	4.3	5.3	6.7	7.3	5.7	6.0	6.6
ATF-007	8.3	6.3	7.0	8.0	7.3	6.7	4.3	5.7	6.0	7.0	5.7	6.3	6.6
FALCON II (MB-21-92)	7.0	7.3	6.7	8.0	7.0	7.3	4.3	6.3	6.0	6.7	5.0	6.7	6.5
MB-22-92	7.0	7.3	6.7	8.0	8.0	6.7	4.7	4.3	5.7	8.0	5.7	6.3	6.5
JAGUAR 3 (ZPS-J3)	7.3	7.7	6.7	7.7	7.3	7.0	4.0	4.0	5.7	7.7	5.7	7.0	6.5
GAZELLE (ZPS-VL)	7.7	7.0	6.7	7.3	7.7	6.0	5.0	3.3	6.7	8.0	5.3	6.3	6.4
SOUTHERN CHOICE (MB-25-92)	8.3	5.3	7.3	7.7	6.3	4.7	4.3	6.7	6.3	8.0	5.0	7.0	6.4
HOUNDOG V (ISI-AFE)	7.0	6.3	6.7	8.3	7.3	6.3	4.3	5.0	6.3	7.7	4.7	6.7	6.4
BAR FA 214	8.7	7.3	6.3	7.0	7.0	7.0	4.3	4.3	6.0	7.0	4.7	7.0	6.4
FA-22	8.0	5.3	7.7	8.0	7.0	6.3	4.7	5.3	5.7	7.7	4.0	7.0	6.4
PIXIE	7.7	5.3	7.0	8.0	6.7	8.0	4.3	5.0	6.7	7.3	4.3	6.3	6.4
DUSTER (ITR-90-2)	8.0	7.0	6.0	7.7	7.3	6.3	4.7	5.3	6.0	7.0	4.7	6.3	6.4
OLYMPIC II	6.0	6.0	7.0	7.7	7.3	7.3	3.7	6.0	7.7	6.3	5.7	5.7	6.4
SR 8210	7.7	6.0	7.0	8.0	7.3	6.7	4.3	6.0	6.0	6.7	4.7	6.0	6.4
BAR FA 0855	7.0	6.3	7.0	7.7	6.7	6.7	5.0	5.0	6.0	7.0	5.3	6.7	6.4
FINELAWN PETITE	7.0	7.0	6.7	8.0	6.3	8.0	4.3	5.0	4.7	8.0	4.3	7.0	6.4
MARKSMAN (MB-23-92)	7.3	7.0	6.7	8.0	7.7	5.7	4.0	5.0	5.3	8.0	4.7	7.0	6.4
TOMAHAWK	7.7	7.0	6.7	8.0	8.0	5.7	4.0	4.3	6.7	7.0	5.3	6.0	6.4
FA-19	8.0	5.7	7.7	8.0	7.7	7.0	4.3	5.7	4.3	7.7	4.3	5.7	6.3
GRANDE (SR 8400)	7.0	7.0	7.3	8.0	7.0	7.0	4.0	5.0	5.7	6.3	5.0	6.7	6.3
SILVERADO	8.0	6.3	7.7	8.0	7.0	5.7	4.0	5.3	5.7	6.7	5.3	6.3	6.3
MONTAUK	7.0	7.3	6.7	8.0	7.3	5.3	4.3	5.7	5.7	7.0	4.7	6.7	6.3
STARLET (MB-24-92)	8.0	6.3	7.3	8.0	6.3	6.0	4.3	5.0	5.0	7.0	5.3	7.0	6.3
ASTRO 2000	6.3	5.7	7.0	8.0	7.7	6.7	4.0	4.7	8.3	6.7	5.3	5.3	6.3
LEXUS	8.0	7.0	7.7	8.3	8.0	6.0	5.0	4.0	3.7	7.0	4.3	6.7	6.3
REBEL, JR.	7.7	6.0	7.7	8.0	6.7	6.7	4.7	4.7	5.0	6.3	5.3	7.0	6.3
VEGAS	8.0	6.3	7.0	7.7	7.0	5.7	3.7	3.7	7.7	7.0	4.7	7.0	6.3
SR 8200	6.0	6.0	7.3	8.0	7.7	8.0	4.0	5.3	5.0	7.0	4.7	6.0	6.3
COYOTE (ZPS-ML)	8.0	5.3	7.0	7.7	6.0	6.7	4.3	3.3	6.3	7.7	5.7	7.0	6.3
ISI-AFA	7.0	7.7	7.0	7.7	7.3	5.7	3.7	5.3	4.3	7.0	5.3	7.0	6.3
MICRO DD	8.0	5.0	7.3	7.3	7.7	6.3	4.0	5.0	5.3	7.3	4.7	7.0	6.3
OFI-ATK (ISI-ATK)	7.0	5.3	7.3	8.3	7.0	6.7	3.7	4.3	6.3	7.0	5.7	6.3	6.3
PST-5DX W/ENDOPHYTE	7.3	6.3	6.7	8.0	7.7	6.7	4.7	5.7	4.0	6.3	5.0	6.7	6.3
SR 8300	7.0	7.0	7.3	8.0	6.7	5.3	4.7	4.7	4.7	7.7	5.3	6.7	6.3
PRO-9178	8.0	6.3	7.3	8.0	7.0	6.7	4.0	4.3	6.0	6.0	5.0	6.3	6.3
PST-5LX	8.0	5.0	7.0	7.7	8.0	5.7	4.0	5.3	4.0	7.3	5.0	7.7	6.2
NINJA (ATF-006)	8.3	5.7	6.7	8.0	7.0	5.7	4.3	4.7	4.3	8.0	5.0	6.7	6.2
SAFARI	6.0	7.0	6.3	8.0	7.7	7.0	4.0	6.0	5.3	6.0	5.3	5.7	6.2
ELDORADO	7.3	5.7	7.3	7.7	7.7	5.7	3.3	5.0	5.7	6.7	5.3	7.0	6.2
GUARDIAN	6.7	6.3	6.3	8.0	7.0	7.3	4.3	5.0	5.7	7.0	4.7	6.0	6.2
ISI-CRC	6.7	6.3	6.7	8.0	8.0	6.3	4.0	4.0	6.0	7.0	5.0	6.3	6.2
PST-5VC	8.3	7.0	6.5	8.0	6.7	5.7	4.7	4.7	5.3	7.0	4.7	5.7	6.2
CAFA101	5.7	6.0	6.7	7.7	6.3	7.3	4.3	5.3	6.0	6.3	5.3	7.0	6.2
GEN-91	7.3	6.3	7.0	8.0	7.3	4.7	5.0	5.3	5.0	7.0	4.7	6.3	6.2
MIRAGE (KWS-DSL)	7.7	5.7	7.0	8.0	7.3	5.0	4.0	6.0	5.3	6.0	5.0	7.0	6.2
PST-5PM	7.7	7.7	6.7	8.0	6.3	6.3	3.7	4.3	5.0	6.7	4.7	7.0	6.2
PYRAMID (SIU-1)	6.7	5.7	7.3	8.0	7.3	5.7	4.3	5.0	6.0	6.0	5.3	6.7	6.2
APACHE II (PST-59D)	8.0	6.0	7.0	8.0	7.3	5.0	4.0	5.0	5.3	7.0	4.0	7.0	6.1
CORONADO (PST-RDG)	7.7	7.3	6.3	8.0	8.3	6.3	4.3	4.3	2.7	6.0	5.7	6.7	6.1

TABLE 8.
(CONT'D)

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY												
	AR1	AR2	MO1	MO2	MO3	MO4	NE3	NV1	NY1	PA1	SD1	SK1	MEAN
CROSSFIRE II (PICK 90-12)	7.0	6.3	7.0	8.3	7.0	7.0	4.0	4.7	4.0	6.7	5.0	6.7	6.1
EMPRESS (ZPS-E2)	7.7	6.7	7.0	8.0	7.0	6.7	4.0	4.3	5.0	6.3	4.3	6.7	6.1
M-2	6.3	5.7	7.0	7.7	6.3	7.7	4.0	6.3	6.0	7.0	4.0	5.7	6.1
PALISADES (OFI-TF-601)	6.7	6.3	6.7	7.7	7.3	5.7	4.7	4.0	6.0	7.3	4.7	6.7	6.1
PHOENIX	6.0	5.7	7.7	7.0	6.0	7.7	4.0	4.7	7.0	6.3	5.7	6.0	6.1
PST-5STB	7.3	6.0	6.3	8.0	7.7	5.7	4.0	5.3	5.0	6.3	5.3	6.7	6.1
VIRTUE	6.7	6.3	7.3	7.7	7.0	6.3	4.7	5.3	6.0	6.7	4.0	5.7	6.1
COCHISE	7.7	6.3	7.7	7.0	7.7	6.3	3.7	4.7	4.7	7.0	4.7	6.3	6.1
REBEL 3D	6.0	7.3	7.3	8.0	6.7	7.3	4.3	4.7	4.3	5.7	4.7	7.3	6.1
BONANZA II	6.3	6.7	7.3	7.7	7.0	7.3	4.0	5.3	5.3	6.0	3.3	7.0	6.1
LANCER	8.7	4.3	7.0	7.7	8.0	5.7	4.0	5.3	4.0	6.3	5.3	7.0	6.1
CHIEFTAIN II (PICK CII)	7.7	6.0	7.0	8.0	7.0	6.0	3.7	4.0	6.0	6.7	5.3	6.0	6.1
KITTYHAWK	7.3	5.7	7.3	7.7	7.3	6.0	4.0	5.7	5.7	6.7	4.3	5.7	6.1
LEPRECHAUN	8.3	5.7	7.3	8.0	7.3	6.0	3.7	3.3	3.7	7.0	5.7	7.0	6.1
DUKE	6.7	6.7	7.0	8.0	6.7	5.7	4.3	4.7	4.7	6.7	4.7	7.3	6.1
PICK 90-10	9.0	4.7	6.7	7.7	8.3	5.7	4.0	4.7	3.7	7.0	4.7	6.7	6.1
PSTF-200	5.0	7.3	7.7	7.7	7.3	6.0	3.7	5.3	7.0	6.3	3.3	6.0	6.1
AUSTIN	6.3	6.7	7.0	7.3	7.0	5.3	4.0	6.3	5.7	7.0	4.0	6.0	6.1
BONSAI PLUS	7.3	6.3	7.7	8.0	7.3	6.3	4.0	4.0	5.0	6.7	3.7	6.0	6.0
BAR FA 2AB	6.3	7.7	7.0	7.7	6.0	5.3	5.0	4.7	5.0	7.0	4.7	5.7	6.0
AVANTI	6.3	5.3	7.0	7.7	6.3	7.0	4.7	5.7	4.0	7.3	4.7	6.0	6.0
DEBUTANTE (WXI-208-2)	7.3	5.7	7.0	8.0	7.0	5.3	4.0	4.0	5.0	6.0	5.3	7.3	6.0
FINELAWN 88	6.0	7.0	7.0	7.7	7.0	6.3	3.7	5.3	3.7	6.0	5.3	7.0	6.0
SHENANDOAH	5.3	6.0	7.3	8.0	7.7	5.3	4.3	4.7	5.7	6.7	5.0	6.0	6.0
ANTHEM	5.0	6.0	7.0	7.0	6.3	8.0	3.3	6.7	7.0	6.3	4.0	5.3	6.0
AZTEC	6.0	6.3	6.0	8.0	7.0	5.7	3.7	4.7	5.3	7.3	4.7	7.3	6.0
BONSAI	8.7	5.3	7.3	8.0	7.3	6.0	4.0	4.0	3.7	6.7	4.7	6.3	6.0
BONANZA	6.0	5.0	6.3	7.3	6.3	7.0	4.0	6.3	5.3	6.7	4.7	6.7	6.0
ADOBE (SFL)	7.7	4.7	6.7	8.0	6.7	6.3	4.0	4.7	5.3	6.7	5.0	6.0	6.0
PSTF-401	7.0	6.0	7.3	7.3	7.0	6.3	4.0	5.0	6.0	5.3	3.3	6.7	5.9
403	7.3	6.7	6.7	8.0	7.0	6.0	4.0	4.3	5.7	6.0	3.3	6.3	5.9
CAS-MA21	6.7	6.3	7.0	8.0	7.0	6.0	4.0	5.7	2.3	7.3	5.0	5.7	5.9
PSTF-LF	6.3	5.7	6.7	7.7	7.0	6.3	4.0	5.0	6.0	6.3	4.3	5.7	5.9
ARID	5.0	5.3	6.3	7.0	6.3	7.0	4.0	5.3	6.7	7.0	5.3	5.7	5.9
ALAMO (J-1048)	6.7	4.3	7.0	7.3	7.0	7.3	3.7	4.7	4.0	7.0	5.3	6.3	5.9
MONARCH	6.3	5.3	6.7	8.0	6.3	6.3	3.7	6.0	4.7	6.0	5.0	6.0	5.9
SHORTSTOP (PICK 90-06)	8.3	6.0	7.0	8.0	7.7	5.3	4.3	3.7	3.0	6.0	4.7	6.3	5.9
TRAILBLAZER II	6.3	6.3	6.7	8.0	6.7	5.0	4.0	5.3	3.7	6.7	4.7	6.7	5.8
CAS-LA20	7.3	7.0	7.0	8.0	6.7	6.0	3.7	4.3	2.5	7.3	4.3	5.7	5.8
FALCON	4.3	5.0	7.0	6.0	7.0	7.3	3.0	6.0	4.0	6.3	5.0	7.0	5.7
TWILIGHT	7.3	4.7	6.3	8.0	6.7	5.0	3.3	4.0	3.3	5.7	4.3	6.0	5.4
KY-31 NO ENDO.	3.7	4.7	6.7	5.7	4.7	6.7	3.0	5.0	5.0	6.0	5.3	5.3	5.1
KY-31 W/ENDO.	3.0	4.0	6.3	6.0	4.3	7.3	3.0	3.3	7.3	5.0	5.0	5.7	5.0
LSD VALUE	1.3	2.3	0.8	0.7	1.4	1.8	1.0	1.6	2.9	1.5	1.2	0.8	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 9.

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/											
	BC1	KS2	MO1	MO2	MO3	MO4	NE3	NV1	NY1	SD1	SK1	MEAN
TITAN 2 (SR 8010)	6.3	6.7	6.7	7.7	6.3	7.3	5.3	6.0	7.3	7.3	6.3	6.7
FALCON II (MB-21-92)	6.3	7.7	7.0	8.0	6.0	6.7	6.7	6.0	5.7	6.3	7.0	6.7
MB-22-92	6.7	7.0	7.0	8.0	6.7	5.7	7.0	4.7	6.7	7.0	6.7	6.6
ATF-007	6.7	8.7	7.0	7.0	6.3	5.7	5.7	6.3	6.7	6.7	6.0	6.6
PIXIE	6.7	7.3	7.0	7.3	6.3	7.3	6.3	5.7	6.7	5.3	6.3	6.6
MARKSMAN (MB-23-92)	7.0	7.0	6.7	7.7	6.3	5.3	6.0	5.3	7.7	5.7	7.0	6.5
MONTAUK	5.7	7.0	6.7	7.3	6.3	6.3	6.3	6.3	6.7	6.0	7.0	6.5
CORONADO (PST-RDG)	6.7	7.3	6.3	7.7	7.7	6.0	5.0	6.7	4.7	6.0	7.0	6.5
FA-22	7.0	6.7	7.0	7.3	5.7	6.0	5.7	6.0	6.7	6.0	7.0	6.5
CROSSFIRE II (PICK 90-12)	6.7	7.7	7.3	7.3	6.3	6.0	4.7	6.7	4.7	6.0	7.3	6.4
HOUNDG V (ISI-AFE)	6.0	7.3	6.0	7.7	6.7	5.3	6.0	5.7	6.7	6.3	7.0	6.4
REBEL, JR.	6.3	7.7	7.3	7.3	6.3	6.0	6.0	4.7	5.7	6.3	7.0	6.4
BAR FA 0855	5.7	7.3	7.0	7.0	6.3	5.7	5.7	6.3	6.3	6.3	6.7	6.4
COYOTE (ZPS-ML)	6.7	7.0	6.7	7.3	6.7	6.7	5.7	4.0	5.7	7.0	7.0	6.4
GRANDE (SR 8400)	6.3	7.3	7.0	7.7	6.0	7.0	4.7	5.0	5.7	6.3	7.3	6.4
JAGUAR 3 (ZPS-J3)	6.3	7.3	7.3	7.3	6.3	5.3	5.3	5.0	6.7	6.7	6.7	6.4
PST-5LX	6.3	7.3	7.0	7.0	7.3	5.7	4.7	5.7	4.7	6.7	8.0	6.4
M-2	6.3	6.7	6.7	8.0	5.7	6.7	5.0	5.7	7.0	5.7	6.7	6.4
PRO-9178	7.0	7.0	7.0	7.3	6.3	5.3	4.3	6.3	6.7	6.0	6.7	6.4
PST-5PM	7.0	8.0	6.7	7.0	6.3	6.0	5.0	5.0	6.3	5.7	7.0	6.4
SHENANDOAH	6.0	7.0	7.7	7.3	6.7	5.0	5.7	6.0	6.7	6.0	6.0	6.4
SR 8210	6.0	7.0	7.0	7.7	6.3	5.3	5.7	5.7	6.7	6.3	6.3	6.4
STARLET (MB-24-92)	6.3	7.3	7.3	7.7	6.7	5.7	6.0	5.3	4.7	6.3	6.7	6.4
CAFA101	6.0	7.0	7.0	6.7	6.3	6.3	5.0	5.3	6.3	6.7	7.0	6.3
DUSTER (ITR-90-2)	6.0	7.0	7.0	7.7	6.7	5.7	5.3	5.3	6.7	5.7	6.7	6.3
LEPRECHAUN	6.0	7.0	7.0	7.7	6.7	6.0	5.3	4.3	5.7	6.7	7.3	6.3
PYRAMID (SIU-1)	6.3	7.7	7.3	7.3	6.0	5.3	4.7	5.3	6.3	6.3	7.0	6.3
SOUTHERN CHOICE (MB-25-92)	6.3	7.7	7.3	7.7	6.7	3.7	5.7	5.7	5.7	6.3	7.0	6.3
DEBUTANTE (WXI-208-2)	5.7	8.0	7.0	7.7	6.0	4.7	5.3	5.0	6.0	6.3	7.7	6.3
GAZELLE (ZPS-VL)	6.0	7.3	7.0	7.7	7.0	4.7	7.3	4.0	6.0	6.3	6.0	6.3
ISI-AFA	5.7	8.0	7.3	7.3	6.7	6.0	4.7	5.0	5.0	7.0	6.7	6.3
MICRO DD	6.3	8.0	6.7	7.3	7.0	5.0	4.7	5.3	6.3	5.7	7.0	6.3
ALAMO (J-1048)	6.0	6.7	7.3	6.3	6.0	6.7	5.3	5.7	6.3	6.3	6.3	6.3
CHIEFTAIN II (PICK CII)	7.0	7.0	7.3	7.3	6.3	6.0	4.3	4.7	6.3	6.3	6.3	6.3
COCHISE	6.7	7.0	7.3	7.0	6.7	6.0	4.7	5.3	5.7	5.7	7.0	6.3
PST-5DX W/ENDOPHYTE	6.0	7.3	6.3	8.0	6.7	5.3	6.0	4.7	4.7	6.7	6.7	6.3
SR 8200	6.3	6.7	7.3	6.7	7.0	7.0	5.0	4.7	6.0	6.0	6.3	6.3
TOMAHAWK	6.3	7.0	7.0	7.7	7.0	5.0	5.3	4.7	6.0	6.3	6.7	6.3
GUARDIAN	6.0	7.0	6.7	7.7	6.3	6.0	6.3	5.3	5.0	6.0	6.3	6.2
NINJA (ATF-006)	6.7	7.7	6.7	7.0	6.3	5.3	5.0	4.7	5.3	7.0	7.0	6.2
REBEL 3D	5.3	7.3	7.3	6.7	6.7	5.3	5.7	6.0	5.3	5.7	7.3	6.2
SILVERADO	6.0	7.3	7.7	7.3	6.7	5.3	5.0	4.7	5.3	6.7	6.7	6.2
BAR FA 214	6.3	6.7	6.3	6.7	6.7	6.7	4.7	4.3	6.7	6.3	7.3	6.2
FINELAWN PETITE	6.0	6.3	7.0	7.0	6.3	6.7	5.7	5.3	5.3	5.7	7.3	6.2
PST-5STB	6.0	6.7	6.3	6.7	6.7	6.3	5.7	4.7	6.0	6.3	7.0	6.2
BONANZA II	5.3	6.3	7.3	7.0	6.3	6.3	4.7	5.7	6.3	5.7	7.0	6.2
LANCER	6.7	7.3	7.0	7.0	6.0	5.0	5.0	6.0	4.7	6.3	7.0	6.2
MIRAGE (KWS-DSL)	6.7	6.7	7.0	7.0	6.0	4.7	5.3	5.7	5.3	6.7	7.0	6.2
VEGAS	6.3	7.0	7.0	7.0	6.0	5.3	4.7	4.7	7.7	5.3	7.0	6.2

TABLE 9.
(CONT'D)

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY											
	BC1	KS2	MO1	MO2	MO3	MO4	NE3	NV1	NY1	SD1	SK1	MEAN
BONSAI	7.0	6.3	7.0	6.7	6.3	5.7	5.3	5.7	4.0	7.3	6.3	6.2
ELDORADO	5.7	6.0	7.3	7.0	6.3	5.7	4.0	5.3	6.7	7.0	6.7	6.2
EMPRESS (ZPS-E2)	6.3	7.7	7.3	7.0	6.7	5.7	5.3	5.3	4.3	5.7	6.3	6.2
PSTF-401	6.3	6.7	7.0	7.0	6.3	5.3	5.0	5.3	6.7	5.0	7.0	6.2
FA-19	6.0	7.0	7.0	6.7	6.3	6.3	6.0	5.7	5.0	5.7	6.0	6.2
LEXUS	6.7	7.3	7.7	7.3	6.3	5.3	5.7	4.7	4.7	5.0	7.0	6.2
OFI-ATK (ISI-ATK)	6.0	6.3	7.0	7.3	6.0	5.0	4.7	5.3	6.3	6.7	7.0	6.2
ASTRO 2000	6.0	5.7	6.7	6.3	6.7	6.3	5.3	5.3	7.0	6.3	5.7	6.1
DUKE	5.7	7.7	6.7	7.3	6.7	4.3	5.3	5.3	5.0	6.0	7.3	6.1
KITTYHAWK	6.3	6.7	7.0	7.7	6.0	5.7	4.3	5.7	6.7	5.3	6.0	6.1
SAFARI	5.3	6.3	6.3	7.0	6.7	5.3	5.3	6.3	6.3	6.3	6.0	6.1
VIRTUE	6.0	6.7	7.3	7.3	6.7	6.3	6.0	5.3	4.3	5.3	6.0	6.1
BONANZA	6.0	6.3	6.3	7.0	5.7	6.0	5.0	6.0	6.3	5.7	7.0	6.1
GEN-91	5.7	7.3	7.0	7.3	5.7	4.0	6.7	5.3	6.0	5.7	6.7	6.1
PICK 90-10	7.3	7.0	7.0	7.3	7.3	4.7	4.7	5.0	5.0	5.7	6.3	6.1
SHORTSTOP (PICK 90-06)	6.7	7.0	6.7	7.3	6.7	5.0	5.7	6.0	4.0	6.0	6.3	6.1
FINELAWN 88	6.0	6.0	7.3	7.0	6.3	6.3	4.3	6.3	4.0	6.3	7.0	6.1
APACHE II (PST-59D)	6.3	6.0	7.3	7.3	7.0	4.7	4.3	5.0	6.0	5.3	7.3	6.1
FALCON	5.7	5.7	7.0	6.0	6.0	7.0	4.7	5.3	6.0	6.0	7.3	6.1
PALISADES (OFI-TF-601)	5.7	7.3	6.7	7.0	6.3	5.3	4.7	5.0	6.3	5.7	6.7	6.1
PSTF-LF	5.3	6.3	6.7	7.3	6.3	5.3	4.3	6.0	7.3	6.0	5.7	6.1
AZTEC	6.3	6.3	6.7	6.7	6.0	5.0	4.0	5.7	6.7	6.0	7.3	6.1
BAR FA 2AB	6.3	7.0	6.7	6.7	5.7	5.3	5.7	5.0	6.0	6.0	6.0	6.0
ISI-CRC	5.7	6.3	7.0	7.3	6.7	5.0	4.7	5.0	6.3	6.3	6.0	6.0
MONARCH	6.0	6.7	6.7	6.7	6.0	5.7	4.3	5.3	6.3	6.3	6.3	6.0
TRAILBLAZER II	6.7	6.7	6.7	7.3	6.0	4.3	5.3	5.3	5.0	6.0	7.0	6.0
AUSTIN	5.3	6.0	7.3	7.0	6.7	4.7	4.7	5.7	6.3	6.0	6.7	6.0
BONSAI PLUS	6.3	7.3	7.7	7.0	6.3	5.3	5.0	5.0	5.0	5.0	6.3	6.0
OLYMPIC II	5.7	5.7	7.0	7.0	5.7	6.0	4.7	5.0	7.0	6.7	6.0	6.0
SR 8300	6.3	5.3	7.3	7.3	6.0	4.3	5.3	5.7	5.0	6.7	7.0	6.0
ADOBE (SFL)	7.0	6.7	6.7	7.7	6.0	5.7	5.0	5.3	4.0	6.0	6.0	6.0
403	6.0	7.0	7.0	7.0	6.0	5.3	4.7	4.7	6.0	5.3	6.3	5.9
CAS-MA21	6.0	6.0	7.0	7.3	6.0	5.3	5.0	6.3	3.7	6.3	6.3	5.9
AVANTI	6.7	5.7	7.0	7.3	5.7	5.7	5.3	4.3	5.3	5.3	6.7	5.9
PSTF-200	5.3	5.7	7.3	7.0	5.7	5.3	5.0	5.0	7.3	5.7	5.3	5.9
ANTHEM	5.0	4.7	7.0	6.3	5.7	7.3	4.7	5.7	7.3	5.7	5.3	5.9
ARID	5.0	6.7	6.3	6.3	5.7	5.3	5.3	4.7	6.7	6.7	6.0	5.9
PST-5VC	6.0	7.0	6.0	7.3	5.7	5.0	5.3	5.0	5.0	6.0	6.0	5.8
PHOENIX	6.0	5.7	7.0	7.0	5.3	5.7	4.7	3.3	7.3	6.7	5.7	5.8
CAS-LA20	5.7	7.3	7.0	7.7	6.0	5.0	4.7	5.0	3.0	5.7	5.7	5.7
TWILIGHT	5.7	6.3	6.3	7.0	6.3	5.7	4.3	5.3	4.0	5.0	6.0	5.6
KY-31 NO ENDO.	4.0	4.7	6.7	6.0	4.7	5.7	3.0	5.0	6.0	6.3	4.7	5.2
KY-31 W/ENDO.	4.0	4.3	5.7	5.7	4.0	6.0	3.3	4.3	7.7	5.7	6.0	5.2
LSD VALUE	1.0	1.6	0.9	1.0	1.2	1.9	1.3	1.7	2.7	1.3	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 10.

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/														
	AR1	AR2	BC1	GA1	GA2	MO1	MO2	MO3	MO4	NE3	NV1	NY1	SD1	SK1	MEAN
MB-22-92	6.7	7.0	7.0	6.7	3.0	7.3	7.5	7.0	6.7	6.7	6.7	4.3	8.0	6.7	6.5
REBEL, JR.	7.3	4.7	7.3	6.0	2.7	8.0	8.0	7.7	6.7	5.7	7.0	5.3	7.0	7.3	6.5
FINELAWN PETITE	7.7	4.3	7.0	6.0	3.0	7.3	8.0	8.0	7.0	5.3	6.7	5.3	7.0	7.7	6.5
GRANDE (SR 8400)	7.0	6.3	8.0	5.3	3.7	7.7	8.0	7.0	7.0	4.3	6.7	5.3	7.0	7.0	6.5
FA-19	7.3	4.7	7.7	6.0	3.3	8.0	8.0	7.3	6.3	6.0	7.3	5.0	7.0	6.0	6.4
CORONADO (PST-RDG)	7.3	5.7	6.7	6.0	4.0	7.3	8.0	8.0	6.7	5.0	7.3	3.7	7.0	7.0	6.4
FALCON II (MB-21-92)	6.0	4.7	7.0	6.3	3.3	7.3	8.0	6.7	7.3	6.0	7.7	5.3	7.0	7.0	6.4
DEBUTANTE (WXI-208-2)	7.0	4.3	7.3	6.3	3.7	7.3	7.7	7.0	5.0	5.3	7.3	5.0	7.7	8.0	6.4
EMPRESS (ZPS-E2)	8.0	5.7	7.0	6.0	2.3	7.3	7.7	8.3	6.3	5.3	7.7	3.0	7.3	7.0	6.4
SR 8200	6.3	4.3	7.3	6.0	4.3	7.3	7.3	7.0	8.0	5.0	7.0	4.7	7.3	7.0	6.4
STARLET (MB-24-92)	6.7	4.7	7.3	6.3	3.0	7.7	8.0	8.0	6.0	6.0	7.3	4.0	7.0	7.0	6.4
COYOTE (ZPS-ML)	6.7	4.0	7.0	6.7	3.0	7.0	8.0	8.0	7.0	5.3	6.3	4.7	8.0	7.0	6.3
LEPRECHAUN	7.3	5.3	7.0	5.0	2.7	7.7	7.7	7.7	7.0	5.0	6.0	4.7	8.0	7.7	6.3
CROSSFIRE II (PICK 90-12)	6.3	5.7	7.0	6.0	2.7	8.0	8.0	8.0	6.0	5.0	7.3	4.3	7.0	7.3	6.3
JAGUAR 3 (ZPS-J3)	6.0	5.7	7.3	6.3	2.3	7.7	7.7	7.0	6.0	5.0	7.0	5.3	7.7	7.0	6.3
FA-22	8.7	4.7	6.7	5.7	2.0	7.3	7.7	6.7	6.7	5.3	7.3	5.0	7.0	7.3	6.3
DUSTER (ITR-90-2)	7.0	4.0	7.3	5.7	2.0	7.3	8.0	8.0	6.0	5.3	6.7	5.7	7.7	7.0	6.3
BAR FA 0855	6.7	5.0	7.3	5.7	2.3	7.0	7.3	6.7	6.3	5.7	7.3	6.0	7.7	6.7	6.3
BONANZA II	6.3	5.0	7.0	6.7	2.3	7.7	8.0	7.3	7.0	5.0	7.0	4.3	6.7	7.3	6.3
BAR FA 214	7.3	4.3	7.0	6.0	1.7	6.7	7.7	8.0	7.7	5.0	6.3	5.0	7.3	7.7	6.3
DUKE	6.3	4.3	7.7	6.0	2.7	7.0	7.3	7.7	6.0	5.3	7.0	5.0	7.7	7.3	6.2
ATF-007	6.7	4.3	7.0	5.3	3.0	7.0	7.7	7.3	6.7	5.7	8.0	4.7	7.7	6.3	6.2
PIXIE	6.0	3.3	7.7	6.0	2.7	7.0	7.7	7.7	7.7	5.3	7.3	5.3	7.0	6.7	6.2
PST-5DX W/ENDOPHYTE	7.0	3.7	7.0	6.0	3.3	7.0	8.0	7.7	6.0	5.3	7.3	4.3	7.7	7.0	6.2
PST-5PM	6.3	4.3	7.0	6.3	2.7	7.0	8.0	7.7	6.3	4.7	7.7	5.0	7.0	7.3	6.2
SILVERADO	7.0	3.7	7.0	6.3	3.3	8.3	8.0	7.3	5.3	5.0	6.7	4.7	7.7	6.7	6.2
TITAN 2 (SR 8010)	6.7	5.0	7.0	5.7	2.0	6.7	8.0	7.3	7.0	5.3	7.3	5.3	7.7	6.0	6.2
TOMAHAWK	7.3	4.3	7.7	5.7	2.3	7.3	8.0	7.3	5.7	5.3	6.7	5.0	7.3	7.0	6.2
NINJA (ATF-006)	7.0	4.7	7.0	5.3	3.3	7.0	8.0	7.3	6.0	5.0	7.0	4.0	8.0	7.3	6.2
AZTEC	7.7	4.7	7.3	6.0	2.3	7.3	7.7	7.3	6.0	4.3	6.3	5.0	7.0	7.7	6.2
SR 8210	7.0	4.7	7.3	6.0	1.7	7.0	7.7	7.0	6.3	5.7	7.3	5.0	7.0	7.0	6.2
VIRTUE	7.0	5.0	7.3	5.0	1.0	7.7	8.0	6.3	5.7	5.7	6.7	5.7	7.0	6.3	6.2
AVANTI	6.7	5.3	7.0	6.7	1.7	7.3	8.0	6.3	6.7	4.7	6.7	5.3	7.3	7.0	6.2
ISI-AFA	7.3	4.7	7.3	6.3	3.0	7.3	7.7	7.3	5.7	4.7	6.7	4.3	7.3	7.0	6.2
SOUTHERN CHOICE (MB-25-92)	6.7	4.3	7.0	6.3	2.7	7.7	8.0	7.7	4.7	5.7	7.0	4.7	7.3	7.0	6.2
COCHISE	7.7	4.0	7.0	6.0	3.7	7.7	7.0	7.3	6.3	4.7	6.7	4.7	6.7	7.0	6.2
GAZELLE (ZPS-VL)	8.0	4.3	7.3	5.0	1.0	7.3	8.0	7.3	6.3	6.7	5.7	5.0	7.7	6.7	6.2
PICK 90-10	7.3	4.3	6.7	5.0	3.0	7.7	8.0	8.3	6.3	4.7	6.7	4.0	7.0	7.3	6.2
GEN-91	7.7	5.3	7.0	5.0	2.3	7.3	8.0	7.7	4.7	6.3	7.0	3.7	7.0	7.0	6.1
LANCER	8.0	4.0	7.0	5.7	2.7	7.3	7.3	7.0	5.7	5.0	7.7	4.3	7.3	7.0	6.1
MARKSMAN (MB-23-92)	8.0	4.7	7.0	6.0	1.3	7.0	7.7	7.7	5.3	6.0	6.3	5.3	6.7	7.0	6.1
MIRAGE (KWS-DSL)	7.3	4.0	7.0	5.7	2.7	7.3	7.7	7.0	5.7	5.3	7.3	4.0	7.7	7.3	6.1
PST-5LX	7.0	4.0	7.3	6.0	2.3	7.0	7.3	8.0	5.7	4.7	7.0	4.7	7.0	8.0	6.1
PSTF-401	6.0	5.0	7.0	5.7	3.0	8.0	7.0	6.7	6.3	5.0	7.0	6.0	6.3	7.0	6.1
SHORTSTOP (PICK 90-06)	7.0	5.0	7.0	5.3	3.3	7.0	7.7	8.0	5.7	5.3	7.0	4.0	7.0	6.7	6.1
VEGAS	7.3	4.7	7.0	5.7	1.7	7.3	8.0	7.7	6.0	4.7	6.0	6.0	6.7	7.3	6.1
MICRO DD	6.3	4.3	7.0	6.3	2.3	7.3	7.7	7.7	5.7	4.7	7.0	5.0	7.7	7.0	6.1
HOUND OG V (ISI-AFE)	7.3	4.0	7.3	5.0	2.7	6.0	8.0	7.0	6.7	5.7	7.3	4.7	7.0	7.0	6.1
LEXUS	8.0	4.3	7.3	5.7	1.3	8.0	8.0	8.0	5.7	5.3	6.7	4.0	6.3	7.0	6.1

TABLE 10.
(CONT'D)

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY														MEAN
	AR1	AR2	BC1	GA1	GA2	MO1	MO2	MO3	MO4	NE3	NV1	NY1	SD1	SK1	
OLYMPIC II	5.7	4.7	7.0	5.3	3.0	7.3	7.3	6.0	7.0	5.0	7.3	6.3	7.3	6.3	6.1
BAR FA 2AB	6.3	5.0	7.3	5.0	2.3	7.7	8.0	7.3	5.7	5.7	7.3	4.3	7.3	6.3	6.1
APACHE II (PST-59D)	6.7	4.0	7.3	6.0	2.7	7.7	7.7	7.3	5.0	4.7	8.0	3.7	7.0	7.7	6.1
M-2	6.7	4.0	7.0	6.0	2.3	7.3	7.7	6.7	7.3	5.0	7.0	5.0	6.7	6.7	6.1
SR 8300	6.0	5.0	7.0	6.0	2.7	8.0	8.0	7.3	4.7	5.3	6.7	4.3	7.3	7.0	6.1
TRAILBLAZER II	6.0	4.7	7.0	6.3	2.3	7.3	7.7	7.3	6.3	5.0	7.0	4.3	7.0	7.0	6.1
PYRAMID (SIU-1)	5.7	6.0	7.3	5.3	2.3	7.7	7.3	7.0	5.7	4.7	6.7	5.3	7.3	7.0	6.1
SAFARI	6.7	4.7	7.0	6.3	2.3	6.7	7.3	6.7	6.7	5.3	7.0	5.3	7.0	6.3	6.1
PALISADES (OFI-TF-601)	7.0	5.7	7.0	5.3	1.7	7.0	7.7	7.0	5.7	4.7	6.7	5.7	7.0	7.0	6.1
PSTF-LF	7.3	4.7	6.7	6.0	2.7	7.3	7.0	7.0	6.3	4.0	7.7	5.3	6.7	6.0	6.0
REBEL 3D	6.3	3.7	7.0	5.7	2.0	7.0	8.0	7.3	6.3	5.3	7.3	4.0	6.7	7.7	6.0
MONTAUK	6.3	5.0	7.0	5.0	2.7	6.7	8.0	6.3	5.3	5.7	7.7	4.7	7.0	7.0	6.0
ALAMO (J-1048)	5.7	4.3	7.0	5.7	1.7	7.7	7.3	7.0	7.0	5.3	7.3	4.0	8.0	6.3	6.0
ELDORADO	6.0	4.3	7.0	6.0	2.7	7.7	7.3	7.0	6.3	4.0	7.3	4.3	7.3	7.0	6.0
PRO-9178	6.0	3.0	7.0	5.3	2.0	7.3	7.7	7.7	6.3	4.3	7.0	6.7	7.3	6.7	6.0
SHENANDOAH	6.0	4.7	7.0	5.7	3.3	7.3	7.0	6.3	5.7	5.7	7.7	4.7	7.0	6.3	6.0
BONANZA	6.0	5.0	6.7	5.7	2.7	7.0	7.3	7.0	7.0	5.0	7.0	4.0	6.7	7.0	6.0
FINELAWN 88	6.0	4.0	6.7	6.0	3.0	7.3	8.0	6.7	6.3	4.7	6.3	4.7	6.7	7.7	6.0
BONSAI PLUS	5.7	4.7	6.7	6.0	3.7	7.3	8.0	6.7	5.3	5.0	7.0	5.0	6.7	6.3	6.0
PST-5STB	6.3	3.3	7.3	5.3	3.0	6.7	7.7	7.0	7.0	5.3	6.7	4.3	7.0	7.0	6.0
PHOENIX	5.3	4.7	7.0	5.3	3.0	7.3	7.3	7.0	7.0	4.7	6.7	6.3	6.3	6.0	6.0
PST-5VC	6.7	4.3	7.3	6.0	2.3	7.0	8.0	6.7	5.3	5.3	6.7	4.3	7.7	6.0	6.0
GUARDIAN	5.7	5.0	7.0	5.7	2.0	7.0	7.5	7.0	6.0	5.7	7.0	5.0	6.7	6.3	6.0
PSTF-200	5.7	4.7	7.0	5.7	2.3	7.7	7.5	6.3	6.0	4.7	7.3	5.7	7.0	6.0	6.0
ADOBE (SFL)	7.0	4.0	7.0	6.0	2.0	7.3	8.0	7.3	6.0	5.0	6.7	3.3	7.3	6.3	6.0
BONSAI	7.3	3.7	7.0	5.3	2.3	7.0	8.0	7.7	6.3	5.0	6.3	3.0	7.3	7.0	6.0
MONARCH	6.0	5.7	7.0	5.3	2.3	7.0	7.7	7.0	5.7	4.3	6.7	4.7	7.0	6.7	5.9
OFI-ATK (ISI-ATK)	7.0	3.3	7.0	5.3	2.7	7.0	7.3	7.0	6.7	4.7	6.3	5.0	7.0	6.7	5.9
CHIEFTAIN II (PICK CII)	5.3	4.3	7.0	5.0	2.3	7.7	7.3	7.7	6.7	4.3	7.0	5.0	6.3	7.0	5.9
403	5.7	5.0	7.0	5.7	3.0	7.0	7.3	7.0	5.7	5.0	7.0	5.3	6.0	6.0	5.9
ASTRO 2000	5.7	4.7	7.0	5.0	2.3	7.3	7.0	6.0	6.7	5.0	7.3	6.3	6.7	5.7	5.9
CAFA101	5.7	4.0	7.0	5.0	2.0	7.3	7.3	6.3	7.3	4.7	6.7	5.3	7.0	7.0	5.9
CAS-MA21	6.3	5.0	7.0	5.7	1.7	7.0	7.7	6.3	6.0	5.0	7.7	3.7	7.3	6.3	5.9
ARID	5.3	5.3	7.0	5.0	2.7	7.3	7.0	5.7	6.0	5.3	6.7	5.7	7.0	6.0	5.9
ISI-CRC	5.7	3.7	7.0	5.3	2.3	7.3	7.7	6.7	6.0	4.7	7.0	5.7	7.0	6.0	5.9
AUSTIN	6.0	5.0	7.0	5.7	2.7	7.7	7.7	7.0	4.7	4.7	6.7	4.7	6.3	6.3	5.9
KITTYHAWK	6.7	4.7	7.3	5.7	2.0	7.0	7.3	6.3	6.3	4.7	6.7	4.3	6.7	6.0	5.8
CAS-LA20	6.0	5.0	7.0	5.3	2.0	7.3	7.7	6.7	5.7	4.7	7.0	4.5	6.7	6.0	5.8
FALCON	5.3	4.3	7.0	5.3	3.0	7.0	6.3	5.7	7.3	4.3	7.0	4.0	7.0	7.3	5.8
ANTHEM	5.7	4.7	6.7	5.3	3.0	7.0	7.0	6.0	7.0	4.7	6.7	5.0	6.0	6.0	5.8
TWILIGHT	5.3	3.3	6.3	6.0	2.3	6.7	8.0	7.0	5.7	4.3	7.3	4.3	6.0	6.3	5.6
KY-31 NO ENDO.	3.7	4.0	6.3	5.0	1.3	7.0	6.0	4.7	6.3	3.0	6.0	4.7	6.0	5.7	5.0
KY-31 W/ENDO.	3.3	4.3	5.7	4.7	2.0	6.0	5.3	4.3	6.7	3.0	5.0	6.0	6.0	6.0	4.9
LSD VALUE	1.4	2.6	0.7	0.9	2.4	0.9	0.7	1.0	1.8	1.1	1.1	2.0	1.0	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 11. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/

NAME	AZ1	MO1	MO2	MD4	NE3	NV1	PA1	VA6	MEAN
OLYMPIC II	99.0	85.0	98.0	83.3	81.7	76.7	78.3	93.3	86.9
M-2	97.7	86.7	98.0	80.0	81.7	75.0	81.7	80.0	85.1
KY-31 W/ENDO.	95.0	78.3	98.0	86.3	80.0	59.7	85.0	97.0	84.9
AUSTIN	99.0	78.3	98.0	66.7	78.3	81.0	91.7	85.0	84.8
CAFA101	95.0	83.3	98.0	80.0	85.0	71.0	81.7	83.3	84.7
ARID	96.3	81.7	98.0	83.3	85.0	73.3	71.7	86.7	84.5
KY-31 NO ENDO.	95.0	85.0	98.0	76.7	76.7	65.0	85.0	93.3	84.3
JAGUAR 3 (ZPS-J3)	99.0	80.0	98.0	86.3	86.7	59.0	78.3	86.7	84.3
ANTHEM	95.0	76.7	98.0	83.3	85.0	77.7	68.3	89.3	84.2
TITAN 2 (SR 8010)	97.7	78.3	98.0	86.7	85.0	71.0	75.0	79.3	83.9
BONANZA II	97.7	78.3	98.0	76.7	85.0	76.7	68.3	90.0	83.8
FINELAWN PETITE	96.3	83.3	98.0	80.0	88.3	66.3	80.0	78.3	83.8
VIRTUE	97.7	76.7	98.0	80.0	91.7	65.0	81.7	78.3	83.6
AVANTI	96.3	76.7	98.0	80.0	85.0	66.7	86.0	76.7	83.2
ASTRO 2000	96.3	83.3	98.0	80.0	86.7	63.3	70.0	86.7	83.0
GUARDIAN	97.7	71.7	98.0	80.0	88.3	71.3	75.0	81.7	83.0
FALCON II (MB-21-92)	96.3	78.3	98.0	83.3	88.3	76.3	70.0	71.7	82.8
PSTF-401	96.3	85.0	98.0	73.3	86.7	69.3	66.7	86.7	82.8
BAR FA 0855	97.7	80.0	98.0	79.7	90.0	65.7	78.0	71.7	82.6
SAFARI	97.7	76.7	98.0	73.3	90.0	78.0	75.0	71.7	82.5
PSTF-200	96.3	83.3	98.0	76.7	83.3	70.7	71.7	80.0	82.5
PHOENIX	97.7	90.0	98.0	76.7	83.3	54.0	73.3	83.3	82.0
FINELAWN 88	96.3	83.3	98.0	73.3	80.0	73.0	68.3	83.3	82.0
OFI-ATK (ISI-ATK)	99.0	78.3	98.0	73.3	80.0	78.3	66.7	81.7	81.9
SHENANDOAH	99.0	81.7	98.0	66.7	90.0	63.7	71.7	83.3	81.8
SOUTHERN CHOICE (MB-25-92)	96.0	80.0	96.0	63.3	88.3	75.0	75.0	80.0	81.7
FA-19	97.7	81.7	98.0	73.3	91.7	76.0	60.0	75.0	81.7
MONTAUK	96.3	85.0	98.0	66.7	91.7	75.3	63.3	76.7	81.6
PST-5DX W/ENDOPHYTE	97.7	75.0	98.0	76.7	85.0	76.0	55.0	88.3	81.5
MB-22-92	96.3	80.0	97.3	80.0	91.7	58.0	75.0	73.3	81.5
COCHISE	99.0	83.3	98.0	70.0	83.3	62.7	78.3	76.7	81.4
PSTF-LF	96.3	80.0	98.0	80.0	86.7	64.3	73.3	72.7	81.4
FA-22	97.7	86.7	98.0	66.7	88.3	70.0	71.7	71.7	81.3
PIXIE	96.3	83.3	98.0	76.7	85.0	66.3	66.7	78.3	81.3
MICRO DD	97.7	81.7	98.0	73.3	83.3	69.3	68.3	78.3	81.3
BONSAI PLUS	96.0	81.7	98.0	73.3	83.3	63.3	75.0	78.3	81.1
ATF-007	97.7	76.7	98.0	76.7	85.0	73.0	78.3	63.3	81.1
PYRAMID (SIU-1)	96.3	86.7	98.0	66.7	85.0	67.7	66.7	81.7	81.1
ALAMO (J-1048)	99.0	75.0	98.0	80.0	80.0	64.3	71.7	80.0	81.0
LANCER	99.0	78.3	98.0	70.0	85.0	78.7	66.7	71.7	80.9
BONANZA	97.7	75.0	98.0	70.0	81.7	79.3	66.7	78.3	80.8
VEGAS	97.7	76.7	98.0	66.7	85.0	66.0	79.3	76.7	80.8
BAR FA 2AB	97.7	80.0	98.0	66.7	86.7	66.0	87.7	61.7	80.5
KITTYHAWK	97.7	78.3	98.0	66.7	76.7	72.0	68.3	86.7	80.5
MONARCH	99.0	80.0	98.0	73.3	81.7	76.7	65.0	70.0	80.5
EMPRESS (ZPS-E2)	99.0	76.7	98.0	70.0	85.0	66.0	70.0	78.3	80.4
TRAILBLAZER II	97.7	80.0	98.0	66.7	83.3	71.0	61.7	84.3	80.3
CAS-MA21	97.7	80.0	98.0	66.7	85.0	71.7	73.3	70.0	80.3
FALCON	95.0	68.3	98.0	80.0	83.3	74.3	75.0	68.3	80.3

TABLE 11. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1994 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS									
NAME	AZ1	MO1	MO2	MD4	NE3	NV1	PA1	VA6	MEAN
SR 8200	99.0	86.7	98.0	83.3	80.0	70.0	70.0	55.0	80.3
GRANDE (SR 8400)	97.7	81.7	98.0	80.0	83.3	67.7	60.0	73.3	80.2
PALISADES (OFI-TF-601)	97.7	80.0	98.0	70.0	85.0	57.7	79.3	73.3	80.1
STARLET (MB-24-92)	97.7	83.3	98.0	70.0	86.7	61.0	68.3	75.0	80.0
PST-5PM	97.7	81.7	98.0	70.0	78.3	63.3	70.0	80.0	79.9
REBEL 3D	97.7	85.0	98.0	76.7	88.3	64.3	66.7	61.7	79.8
COYOTE (ZPS-ML)	97.7	78.3	97.3	73.3	86.7	46.3	85.0	73.3	79.8
403	96.3	75.0	98.0	76.7	81.7	59.7	70.0	80.0	79.7
GEN-91	96.3	75.0	98.0	60.0	88.3	69.7	76.7	73.3	79.7
TOMAHAWK	99.0	81.7	98.0	63.3	86.7	61.7	63.3	83.3	79.6
REBEL, JR.	97.7	90.0	98.0	73.3	91.7	62.7	63.3	60.0	79.6
MARKSMAN (MB-23-92)	96.3	80.0	98.0	70.0	85.0	67.0	70.0	70.0	79.5
BAR FA 214	95.0	85.0	98.0	80.0	83.3	58.7	81.0	55.0	79.5
DUSTER (ITR-90-2)	97.7	76.7	98.0	66.7	83.3	67.3	71.7	73.3	79.3
SR 8210	97.7	78.3	98.0	70.0	86.7	70.0	65.0	68.3	79.3
GAZELLE (ZPS-VL)	94.7	73.3	98.0	70.0	94.3	52.0	73.3	78.3	79.3
PRO-9178	97.7	80.0	98.0	73.3	83.3	63.3	66.7	71.7	79.3
APACHE II (PST-59D)	99.0	78.3	98.0	66.7	81.7	66.7	65.0	78.3	79.2
HOUNDOG V (ISI-AFE)	97.7	73.3	98.0	76.7	89.7	70.0	63.3	65.0	79.2
PST-5LX	97.7	76.7	98.0	70.0	83.3	69.7	68.3	70.0	79.2
NINJA (ATF-006)	97.7	66.7	98.0	70.0	81.7	62.7	73.3	83.3	79.2
AZTEC	97.7	78.3	98.0	66.7	75.0	70.3	76.7	70.0	79.1
CROSSFIRE II (PICK 90-12)	97.7	75.0	98.0	73.3	81.7	67.0	68.3	71.7	79.1
PST-5STB	99.0	71.7	98.0	66.7	85.0	67.7	71.0	73.3	79.0
MIRAGE (KWS-DSL)	97.7	71.7	98.0	73.3	86.7	73.3	60.0	70.0	78.8
ADOBE (SFL)	96.0	76.7	98.0	76.7	85.0	67.0	70.0	60.0	78.7
ELDORADO	97.7	83.3	98.0	73.3	75.0	66.7	65.0	70.0	78.6
DEBUTANTE (WXI-208-2)	97.7	81.7	98.0	70.0	85.0	56.3	56.7	81.0	78.3
DUKE	97.7	75.0	98.0	56.7	83.3	66.7	66.7	81.7	78.2
CAS-LA20	97.7	76.7	98.0	70.0	85.0	60.3	70.0	66.7	78.0
SR 8300	99.0	75.0	98.0	70.0	86.7	57.3	75.0	63.3	78.0
ISI-CRC	97.7	75.0	98.0	73.3	81.7	53.7	70.0	73.3	77.8
LEXUS	97.7	83.3	98.0	66.7	88.3	52.3	81.0	53.3	77.6
CORONADO (PST-RDG)	97.7	75.0	98.0	76.7	85.0	60.3	56.7	70.0	77.4
PST-5VC	99.0	62.5	98.0	66.7	86.7	67.7	66.7	71.7	77.4
TWILIGHT	96.3	80.0	98.0	66.7	78.3	57.0	70.0	71.7	77.3
CHIEFTAIN II (PICK CII)	99.0	80.0	98.0	66.7	80.0	51.0	66.7	75.0	77.0
ISI-AFA	97.7	75.0	98.0	66.7	81.7	62.3	73.3	58.3	76.6
SILVERADO	97.7	86.7	98.0	63.3	85.0	68.3	60.0	48.3	75.9
BONSAI	96.3	80.0	98.0	63.3	85.0	55.0	75.0	53.3	75.8
SHORTSTOP (PICK 90-06)	96.0	71.7	98.0	66.7	88.3	55.7	60.0	61.7	74.8
LEPRECHAUN	97.7	81.7	98.0	63.3	88.3	43.3	65.0	50.0	73.4
PICK 90-10	94.7	73.3	98.0	60.0	81.7	55.0	63.3	60.0	73.3
LSD VALUE	3.7	11.4	0.6	14.1	9.3	17.3	20.9	28.4	5.5

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

TABLE 12.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	AZ1	MO1	MO2	MO4	NV1	VA6	MEAN
M-2	97.7	85.0	97.7	76.7	82.7	95.7	89.2
GUARDIAN	97.7	81.7	98.0	80.0	81.3	93.7	88.7
FALCON II (MB-21-92)	96.3	83.3	98.0	70.0	86.0	98.3	88.7
FINELAWN 88	96.3	86.7	97.0	70.0	88.0	91.3	88.2
KITTYHAWK	96.3	90.0	97.7	63.3	81.7	97.3	87.7
TITAN 2 (SR 8010)	91.3	85.0	97.7	73.3	83.3	95.7	87.7
JAGUAR 3 (ZPS-J3)	97.7	86.7	97.7	70.0	76.3	97.3	87.6
ALAMO (J-1048)	96.3	80.0	96.7	76.7	82.7	92.3	87.4
ASTRO 2000	97.7	81.7	96.3	73.3	77.3	98.3	87.4
MARKSMAN (MB-23-92)	96.3	88.3	97.7	63.3	81.3	96.0	87.2
OLYMPIC II	95.0	81.7	97.3	73.3	77.0	98.7	87.2
SR 8210	97.7	85.0	97.7	63.3	88.7	90.0	87.1
PST-5DK W/ENDOPHYTE	93.3	78.3	98.0	70.0	84.7	97.7	87.0
ANTHEM	97.7	71.7	96.7	76.7	82.3	96.3	86.9
BAR FA 0855	96.3	85.0	97.0	70.0	84.7	88.3	86.9
BONANZA II	97.7	76.7	97.0	66.7	86.7	95.3	86.7
ARID	96.3	80.0	97.0	73.3	75.0	98.3	86.7
ATF-007	97.7	81.7	97.3	66.7	88.3	88.3	86.7
ELDORADO	97.7	86.7	97.0	73.3	76.7	88.0	86.6
MICRO DD	97.7	81.7	97.3	66.7	80.0	96.0	86.6
SAFARI	96.3	76.7	97.3	70.0	84.7	94.0	86.5
FA-22	93.0	83.3	97.7	66.7	83.3	94.3	86.4
FALCON	96.0	83.3	96.3	70.0	77.7	94.3	86.3
MONARCH	99.0	78.3	97.0	70.0	82.0	91.3	86.3
BONANZA	94.7	80.0	97.0	63.3	84.3	97.3	86.1
VIRTUE	99.0	78.3	97.3	66.7	78.0	97.0	86.1
PSTF-LF	96.3	78.3	97.3	70.0	83.3	90.7	86.0
SOUTHERN CHOICE (MB-25-92)	96.3	80.0	97.7	63.3	87.0	91.7	86.0
SR 8200	97.7	83.3	97.0	70.0	81.3	86.7	86.0
BONSAI PLUS	97.7	78.3	97.0	73.3	76.7	92.7	85.9
ADOBE (SFL)	97.7	83.3	97.7	66.7	76.7	93.3	85.9
FA-19	97.7	78.3	96.7	66.7	86.0	90.0	85.9
SHENANDOAH	97.7	80.0	97.3	60.0	81.7	97.0	85.6
CORONADO (PST-RDG)	97.7	76.7	97.7	70.0	83.3	88.0	85.6
AUSTIN	99.0	80.0	97.0	53.3	86.3	97.3	85.5
CROSSFIRE II (PICK 90-12)	95.0	78.3	97.3	66.7	86.0	89.3	85.4
PSTF-401	96.3	80.0	97.3	63.3	77.7	97.7	85.4
CAS-MA21	99.0	76.7	97.3	53.3	88.7	97.0	85.3
KY-31 NO ENDO. 403	94.7	78.3	96.7	70.0	73.3	99.0	85.3
GRANDE (SR 8400)	97.7	76.7	97.3	66.7	77.0	96.0	85.2
APACHE II (PST-59D)	96.3	83.3	97.7	70.0	72.7	90.3	85.1
MIRAGE (KWS-DSL)	97.7	83.3	97.0	63.3	76.7	91.7	84.9
TRAILBLAZER II	93.0	85.0	97.0	66.7	78.7	89.3	84.9
PSTF-200	95.0	83.3	97.3	63.3	76.7	94.0	84.9
MB-22-92	91.7	83.3	97.0	60.0	79.7	97.0	84.8
AZTEC	95.0	83.3	98.0	70.0	69.3	92.7	84.7
EMPRESS (ZPS-E2)	94.7	86.7	96.7	63.3	81.3	84.7	84.6
FINELAWN PETITE	96.3	78.3	97.0	70.0	78.0	87.7	84.6
	95.0	75.0	97.0	70.0	77.7	92.7	84.6

TABLE 12.
(CONT'D)

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS

NAME	AZ1	MO1	MO2	MO4	NV1	VA6	MEAN
CHIEFTAIN II (PICK CII)	93.0	85.0	97.3	60.0	74.3	97.0	84.4
PRO-9178	96.3	78.3	97.3	60.0	83.0	91.7	84.4
CAFA101	85.0	81.7	96.7	70.0	76.3	96.3	84.3
PIXIE	96.3	81.7	97.3	73.3	67.3	90.0	84.3
PYRAMID (SIU-1)	97.7	85.0	97.3	53.3	76.3	96.3	84.3
MONTAUK	97.7	78.3	97.3	60.0	82.7	89.7	84.3
SR 8300	95.0	80.0	97.3	66.7	74.0	92.0	84.2
TOMAHAWK	97.7	80.0	97.0	66.7	69.3	94.0	84.1
AVANTI	97.7	78.3	97.7	63.3	71.3	95.3	83.9
PST-5RM	97.7	81.7	97.3	63.3	72.7	91.0	83.9
ISI-CRC	96.3	81.7	97.0	66.7	68.7	92.7	83.8
KY-31 W/ENDO.	94.3	76.7	96.0	70.0	66.7	98.7	83.7
REBEL 3D	96.3	76.7	96.7	66.7	81.7	84.3	83.7
DEBUTANTE (WXI-208-2)	99.0	83.3	97.3	63.3	64.7	94.7	83.7
HOUNDOG V (ISI-AFE)	95.0	76.7	97.3	70.0	80.0	83.0	83.7
ISI-AFA	95.0	81.7	97.3	60.0	75.3	92.7	83.7
BAR FA 2AB	99.0	76.7	96.7	63.3	78.0	88.0	83.6
COCHISE	93.0	73.3	97.3	66.7	79.3	91.3	83.5
REBEL, JR.	96.3	85.0	97.3	66.7	68.3	87.3	83.5
PHOENIX	91.3	83.3	97.3	73.3	56.7	97.3	83.2
PICK 90-10	96.0	85.0	97.3	60.0	71.7	88.3	83.1
STARLET (MB-24-92)	97.7	73.3	97.7	60.0	77.7	91.3	82.9
DUKE	96.3	80.0	97.7	53.3	73.7	96.3	82.9
LANCER	96.3	76.7	97.0	63.3	72.0	91.0	82.7
PST-5VC	99.0	72.5	97.3	60.0	74.7	91.3	82.5
CAS-LA20	97.7	80.0	97.3	56.7	75.0	88.0	82.4
DUSTER (ITR-90-2)	94.7	76.7	97.7	56.7	75.7	93.3	82.4
OFI-ATK (ISI-ATK)	99.0	78.3	97.7	60.0	59.3	98.3	82.1
TWILIGHT	94.3	73.3	96.7	56.7	80.3	91.0	82.1
SHORTSTOP (PICK 90-06)	91.3	73.3	97.3	60.0	82.7	86.7	81.9
VEGAS	97.7	81.7	96.7	56.7	70.0	88.0	81.8
PST-5STB	93.0	75.0	97.0	63.3	73.7	87.7	81.6
COYOTE (ZPS-ML)	97.7	81.7	97.3	63.3	61.0	88.3	81.6
NINJA (ATF-006)	99.0	76.7	97.0	60.0	68.3	87.7	81.4
PALISADES (OFI-TF-601)	92.7	78.3	97.0	60.0	72.3	88.3	81.4
PST-5LX	91.7	73.3	97.0	56.7	77.7	89.0	80.9
GEN-91	96.3	75.0	97.7	50.0	74.3	89.7	80.5
GAZELLE (ZPS-VL)	97.7	81.7	97.7	53.3	63.3	89.3	80.5
LEPRECHAUN	93.3	83.3	97.7	56.7	62.3	86.7	80.0
LEXUS	97.7	80.0	97.3	60.0	66.3	76.7	79.7
BAR FA 214	96.3	76.7	96.7	63.3	64.7	77.7	79.2
SILVERADO	94.7	80.0	97.3	60.0	70.7	71.7	79.1
BONSAI	96.3	80.0	96.3	53.3	71.3	76.7	79.0
LSD VALUE	6.1	11.1	1.1	17.8	19.4	15.5	5.5

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

TABLE 13.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	AZ1	GA1	GA2	MO1	MO4	NV1	MEAN
BONSAI PLUS	99.0	98.0	78.3	78.3	76.7	86.7	86.2
CORONADO (PST-RDG)	99.0	98.3	76.7	76.7	73.3	90.3	85.7
GRANDE (SR 8400)	99.0	97.3	86.7	75.0	70.0	85.3	85.6
PSTF-401	99.0	97.0	73.3	71.7	70.0	89.0	83.3
FA-19	99.0	97.0	55.0	83.3	70.0	95.3	83.3
FINELAWN PETITE	99.0	97.3	63.3	83.3	70.0	84.3	82.9
COCHISE	99.0	98.3	76.7	66.7	70.0	86.0	82.8
PSTF-200	99.0	97.0	60.3	80.0	73.3	86.0	82.6
SR 8200	99.0	98.3	63.3	75.0	73.3	86.3	82.6
SHENANDOAH	99.0	98.3	61.7	78.3	63.3	94.3	82.5
FINELAWN 88	99.0	97.0	61.7	70.0	73.3	93.7	82.4
PSTF-1F	99.0	97.0	63.3	66.7	76.7	91.3	82.3
REBEL, JR.	99.0	98.3	53.7	83.3	73.3	85.0	82.1
STARLET (MB-24-92)	99.0	98.0	60.0	75.0	70.0	89.0	81.8
ISI-AFA	99.0	97.3	60.0	80.0	66.7	87.0	81.7
PST-5IX W/ENDOPHYTE	99.0	98.7	55.0	66.7	70.0	96.0	80.9
PIXIE	99.0	97.7	45.0	76.7	76.7	90.0	80.8
FALCON	99.0	98.3	61.7	60.0	76.7	88.7	80.7
ALAMO (J-1048)	99.0	97.3	36.7	78.3	76.7	95.7	80.6
SILVERADO	99.0	97.7	58.3	80.0	66.7	81.7	80.6
SOUTHERN CHOICE (MB-25-92)	99.0	98.7	51.7	76.7	63.3	94.0	80.6
ANTHEM	99.0	96.3	51.7	68.3	76.7	89.3	80.2
CROSSFIRE II (PICK 90-12)	99.0	97.3	45.0	71.7	73.3	94.7	80.2
ASTRO 2000	99.0	94.7	48.3	75.0	73.3	88.0	79.7
MONTAUK	99.0	95.0	48.3	78.3	63.3	93.3	79.6
PICK 90-10	99.0	95.0	58.3	78.3	63.3	83.0	79.5
FALCON II (MB-21-92)	99.0	96.0	40.0	73.3	73.3	94.7	79.4
ISI-CRC	99.0	98.3	48.3	75.0	70.0	85.3	79.3
CHIEFTAIN II (PICK CII)	99.0	94.7	52.0	78.3	66.7	85.0	79.3
ATF-007	99.0	94.3	46.7	68.3	70.0	97.3	79.3
ARID	99.0	96.3	43.3	73.3	76.7	85.7	79.1
BONANZA II	99.0	98.3	41.7	71.7	70.0	93.7	79.1
DEBUTANTE (WXI-208-2)	99.0	98.7	51.7	71.7	66.7	86.7	79.1
HOUNDG V (ISI-AFE)	99.0	97.0	43.3	68.3	73.3	93.3	79.1
GUARDIAN	99.0	98.3	46.7	73.3	70.0	86.7	79.0
TITAN 2 (SR 8010)	99.0	98.3	40.0	70.0	73.3	92.3	78.8
JAGUAR 3 (ZPS-J3)	99.0	98.7	35.3	76.7	76.7	86.0	78.7
MB-22-92	99.0	98.3	35.3	81.7	76.7	81.3	78.7
SR 8300	99.0	97.3	43.7	76.7	70.0	85.7	78.7
PHOENIX	99.0	97.0	51.7	60.0	83.3	80.7	78.6
ADOBE (SFL)	99.0	96.3	38.3	80.0	73.3	84.3	78.6
403	99.0	97.0	51.7	66.7	70.0	86.3	78.4
APACHE II (PST-59D)	99.0	97.3	40.0	75.0	63.3	96.0	78.4
ELDORADO	99.0	96.3	43.3	71.7	70.0	90.3	78.4
M-2	99.0	97.0	30.0	76.7	76.7	90.7	78.3
BONANZA	97.7	96.0	43.3	75.0	66.7	90.7	78.2
SHORTSTOP (PICK 90-06)	99.0	97.3	45.0	70.0	66.7	91.0	78.2
DUKE	99.0	98.0	50.0	75.0	60.0	85.7	77.9
PST-5IX	99.0	98.3	33.3	78.3	66.7	91.0	77.8

TABLE 13. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1994 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS							
NAME	AZ1	GA1	GA2	MO1	MO4	NV1	MEAN
NINJA (ATF-006)	99.0	96.0	51.7	70.0	66.7	82.3	77.6
CAFA101	99.0	96.0	41.7	68.3	73.3	86.7	77.5
SR 8210	99.0	98.3	32.0	75.0	63.3	97.0	77.4
MIRAGE (KWS-DSL)	91.0	96.0	50.0	66.7	70.0	89.7	77.2
EMPRESS (ZPS-E2)	99.0	97.0	31.7	73.3	70.0	92.3	77.2
BAR FA 0855	99.0	96.3	30.0	71.7	70.0	96.0	77.2
TRAILBLAZER II	99.0	98.0	37.0	71.7	70.0	86.7	77.1
TOMAHAWK	99.0	97.3	33.7	80.0	66.7	85.3	77.0
FA-22	94.3	97.3	28.7	80.0	66.7	94.7	76.9
PST-5RM	99.0	97.0	35.0	71.7	66.7	92.3	76.9
REBEL 3D	99.0	96.3	33.3	71.7	73.3	88.0	76.9
TWILIGHT	92.7	97.3	51.7	63.3	66.7	89.3	76.8
OLYMPIC II	99.0	98.0	36.7	61.7	76.7	88.0	76.7
MICRO DD	99.0	98.3	40.0	66.7	66.7	89.0	76.6
COYOTE (ZPS-ML)	99.0	97.0	43.3	76.7	70.0	73.0	76.5
SAFARI	99.0	97.3	28.3	68.3	70.0	94.3	76.2
KY-31 W/ENDO.	99.0	97.0	56.7	53.3	83.3	67.7	76.2
KITTYHAWK	99.0	96.0	30.3	73.3	70.0	88.0	76.1
AUSTIN	99.0	97.0	43.3	71.7	56.7	88.0	75.9
CAS-LA20	99.0	94.0	36.7	75.0	63.3	86.7	75.8
AZTEC	99.0	97.3	41.7	63.3	63.3	87.0	75.3
MONARCH	99.0	96.3	30.0	70.0	70.0	86.0	75.2
BONSAI	99.0	97.3	42.0	66.7	63.3	82.7	75.2
BAR FA 2AB	99.0	92.3	41.7	55.0	70.0	91.7	74.9
CAS-MA21	99.0	97.3	18.3	71.7	63.3	97.0	74.4
LANCER	99.0	97.0	35.0	76.7	70.0	69.0	74.4
PYRAMID (SIU-1)	99.0	98.0	31.7	73.3	56.7	88.0	74.4
PST-5STB	92.7	98.0	37.0	68.3	66.7	83.7	74.4
PST-5VC	99.0	98.3	27.0	70.0	63.3	87.0	74.1
LEPRECHAUN	99.0	96.3	41.7	73.3	60.0	74.0	74.1
PALISADES (OFI-TF-601)	99.0	94.3	30.0	73.3	63.3	83.3	73.9
PRO-9178	99.0	95.0	30.0	63.3	66.7	88.0	73.7
DUSTER (ITR-90-2)	99.0	93.7	20.3	81.7	60.0	86.3	73.5
BAR FA 214	99.0	96.0	28.3	68.3	73.3	75.7	73.4
AVANTI	99.0	94.0	20.0	65.0	76.7	84.0	73.1
GEN-91	99.0	93.0	31.7	73.3	56.7	84.3	73.0
MARKSMAN (MB-23-92)	99.0	98.3	12.0	73.3	63.3	85.7	71.9
VEGAS	99.0	96.0	20.0	73.3	60.0	81.7	71.7
OFI-ATK (ISI-ATK)	99.0	98.0	36.7	71.7	66.7	56.7	71.4
VIRTUE	99.0	93.3	0.7	73.3	70.0	89.3	70.9
LEXUS	99.0	93.0	10.3	78.3	60.0	77.7	69.7
KY-31 NO ENDO.	99.0	95.0	23.7	46.7	73.3	80.3	69.7
GAZELLE (ZPS-VL)	99.0	93.7	3.3	76.7	63.3	74.3	68.4
LSD VALUE	3.8	3.9	57.5	13.0	14.2	17.6	10.6

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

TABLE 14. FROST TOLERANCE RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 1/

NAME	NVI
LANCER	6.7
GEN-91	6.0
OLYMPIC II	6.0
PSTF-200	6.0
PSTF-LF	6.0
SAFARI	6.0
BONANZA	5.7
BONSAI PLUS	5.7
CORONADO (EST-RDG)	5.7
ELDORADO	5.7
FA-19	5.7
FALCON	5.7
FALCON II (MB-21-92)	5.7
HOUNDOG V (ISI-AFE)	5.7
MONTAUK	5.7
OFI-ATK (ISI-ATK)	5.7
PRO-9178	5.7
PST-5STB	5.7
PSTF-401	5.7
TWILIGHT	5.7
VIRTUE	5.7
ASTRO 2000	5.3
CAS-MA21	5.3
CROSSFIRE II (PICK 90-12)	5.3
EMPRESS (ZPS-E2)	5.3
FINELAWN 88	5.3
ISI-AFA	5.3
JAGUAR 3 (ZPS-J3)	5.3
MB-22-92	5.3
PALISADES (OFI-TF-601)	5.3
PIXIE	5.3
PST-5PM	5.3
REBEL 3D	5.3
SHENANDOAH	5.3
SHORTSTOP (PICK 90-06)	5.3
SOUTHERN CHOICE (MB-25-92)	5.3
SR 8210	5.3
TOMAHAWK	5.3
ALAMO (J-1048)	5.0
APACHE II (PST-59D)	5.0
AUSTIN	5.0
AVANTI	5.0
BAR FA 0855	5.0
BONANZA II	5.0
CHIEFTAIN II (PICK CII)	5.0
FA-22	5.0
FINELAWN PETITE	5.0

FROST TOLERANCE RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY

NAME	NVI
GRANDE (SR 8400)	5.0
MICRO DD	5.0
MIRAGE (KWS-DSL)	5.0
NINJA (ATF-006)	5.0
PHOENIX	5.0
PST-5LX	5.0
PYRAMID (SIU-1)	5.0
REBEL, JR.	5.0
SR 8300	5.0
TRAILBLAZER II	5.0
VEGAS	5.0
ADOBE (SFL)	4.7
ARID	4.7
ATF-007	4.7
AZTEC	4.7
CAS-LA20	4.7
COCHISE	4.7
DEBUTANTE (WXI-208-2)	4.7
ISI-CRC	4.7
LEPRECHAUN	4.7
LEXUS	4.7
M-2	4.7
PICK 90-10	4.7
PST-5DX W/ENDOPHYTE	4.7
PST-5VC	4.7
BAR FA 214	4.3
BAR FA 2AB	4.3
BONSAI	4.3
COYOTE (ZPS-ML)	4.3
DUSTER (ITR-90-2)	4.3
GUARDIAN	4.3
KITTYHAWK	4.3
KY-31 NO ENDO.	4.3
MARKSMAN (MB-23-92)	4.3
MONARCH	4.3
SILVERADO	4.3
SR 8200	4.3
STARLET (MB-24-92)	4.3
TITAN 2 (SR 8010)	4.3
403	4.0
ANTHEM	4.0
CAFAL01	4.0
DUKE	4.0
GAZELLE (ZPS-VL)	4.0
KY-31 W/ENDO.	4.0
LSD VALUE	1.7

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

TABLE 15. WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 1/				WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION			
NAME	AZ1	TX1	MEAN	NAME	AZ1	TX1	MEAN
APACHE II (PST-59D)	8.0	8.0	8.0	BAR FA 214	7.0	8.0	7.5
CHIEFTAIN II (PICK CII)	8.0	8.0	8.0	BAR FA 2AB	7.0	8.0	7.5
TOMAHAWK	8.0	8.0	8.0	BONANZA	7.3	7.7	7.5
ALAMO (J-1048)	7.7	8.0	7.8	BONSAI	7.0	8.0	7.5
COCHISE	7.7	8.0	7.8	BONSAI PLUS	7.0	8.0	7.5
CROSSFIRE II (PICK 90-12)	7.7	8.0	7.8	CORONADO (PST-RDG)	7.0	8.0	7.5
FINELAWN 88	7.7	8.0	7.8	DUKE	7.0	8.0	7.5
GAZELLE (ZPS-VL)	7.7	8.0	7.8	EMPRESS (ZPS-E2)	7.0	8.0	7.5
GUARDIAN	7.7	8.0	7.8	FA-19	7.3	7.7	7.5
JAGUAR 3 (ZPS-J3)	7.7	8.0	7.8	FA-22	7.0	8.0	7.5
LANCER	7.7	8.0	7.8	FINELAWN PETITE	7.0	8.0	7.5
LEXUS	7.7	8.0	7.8	GRANDE (SR 8400)	7.0	8.0	7.5
PST-5STB	7.7	8.0	7.8	ISI-CRC	7.0	8.0	7.5
REBEL, JR.	7.7	8.0	7.8	KITTYHAWK	7.0	8.0	7.5
SAFARI	7.7	8.0	7.8	LEPRECHAUN	7.0	8.0	7.5
TRAILBLAZER II	7.7	8.0	7.8	M-2	7.0	8.0	7.5
AZTEC	7.7	7.7	7.7	MICRO DD	7.0	8.0	7.5
OFI-ATK (ISI-ATK)	7.7	7.7	7.7	MONARCH	7.0	8.0	7.5
OLYMPIC II	7.7	7.7	7.7	MONTAUK	7.3	7.7	7.5
SHORTSTOP (PICK 90-06)	7.7	7.7	7.7	PALISADES (OFI-TF-601)	7.0	8.0	7.5
AUSTIN	7.3	8.0	7.7	PRO-9178	7.0	8.0	7.5
CAS-MA21	7.3	8.0	7.7	PST-5DX W/ENDOPHYTE	7.0	8.0	7.5
COYOTE (ZPS-ML)	7.3	8.0	7.7	PST-5PM	7.0	8.0	7.5
DUSTER (ITR-90-2)	7.3	8.0	7.7	PSTF-200	7.0	8.0	7.5
ELDORADO	7.3	8.0	7.7	PSTF-LF	7.0	8.0	7.5
FALCON II (MB-21-92)	7.3	8.0	7.7	SILVERADO	7.0	8.0	7.5
GEN-91	7.3	8.0	7.7	SR 8200	7.0	8.0	7.5
HOUNDOG V (ISI-AFE)	7.3	8.0	7.7	SR 8210	7.0	8.0	7.5
ISI-AFA	7.3	8.0	7.7	SR 8300	7.0	8.0	7.5
MARKSMAN (MB-23-92)	7.3	8.0	7.7	STARLET (MB-24-92)	7.0	8.0	7.5
MB-22-92	7.3	8.0	7.7	TWILIGHT	7.0	8.0	7.5
MIRAGE (KWS-DSL)	7.3	8.0	7.7	VEGAS	7.0	8.0	7.5
NINJA (ATF-006)	7.3	8.0	7.7	ASTRO 2000	6.7	8.0	7.3
PHOENIX	7.3	8.0	7.7	BONANZA II	7.0	7.7	7.3
PICK 90-10	7.3	8.0	7.7	CAFA101	7.0	7.7	7.3
PIXIE	7.3	8.0	7.7	DEBUTANTE (WXI-208-2)	6.7	8.0	7.3
PST-5LX	7.3	8.0	7.7	PSTF-401	7.0	7.7	7.3
PYRAMID (SIU-1)	7.3	8.0	7.7	TITAN 2 (SR 8010)	6.7	8.0	7.3
REBEL 3D	7.3	8.0	7.7	PST-5VC	7.3	7.3	7.3
SHENANDOAH	7.3	8.0	7.7	ARID	6.7	7.7	7.2
SOUTHERN CHOICE (MB-25-92)	7.3	8.0	7.7	CAS-LA20	6.7	7.7	7.2
VIRTUE	7.3	8.0	7.7	FALCON	6.7	7.3	7.0
403	7.0	8.0	7.5	KY-31 NO ENDO.	6.3	7.3	6.8
ADOBE (SFL)	7.0	8.0	7.5	ANTHEM	6.0	7.3	6.7
ATF-007	7.0	8.0	7.5	KY-31 W/ENDO.	6.0	7.0	6.5
AVANTI	7.0	8.0	7.5				
BAR FA 0855	7.0	8.0	7.5	LSL VALUE	0.7	0.5	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 16. PERCENT WINTER KILL RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 1/

NAME	SD1
BONANZA II	21.0
PSTF-401	13.3
BONSAI PLUS	12.3
PSTF-200	12.0
FA-22	11.7
403	11.3
VIRTUE	11.0
M-2	10.0
PSTF-LF	9.7
AZTEC	8.0
ANTHEM	7.3
AUSTIN	7.3
PALISADES (OFI-TF-601)	7.3
DUKE	6.7
BAR FA 214	6.3
BONSAI	6.3
APACHE II (PST-59D)	6.0
ISI-AFA	6.0
LEXUS	6.0
PST-5VC	6.0
ALAMO (J-1048)	5.7
FA-19	5.7
HOUNDDOG V (ISI-AFE)	5.7
PST-5PM	5.7
BONANZA	5.3
EMPRESS (ZPS-E2)	5.3
GUARDIAN	5.3
MICRO DD	5.3
SR 8210	5.3
NINJA (ATF-006)	5.0
PIXIE	5.0
PRO-9178	5.0
BAR FA 2AB	4.7
CAS-LA20	4.7
COCHISE	4.7
CHIEFTAIN II (PICK CII)	4.3
FINELAWN PETITE	4.3
MONTAUK	4.3
SHORTSTOP (PICK 90-06)	4.3
SOUTHERN CHOICE (MB-25-92)	4.3
AVANTI	4.0
KITTYHAWK	4.0
SHENANDOAH	4.0
ATF-007	3.7
DUSTER (ITR-90-2)	3.7
FALCON II (MB-21-92)	3.7
GEN-91	3.7

PERCENT WINTER KILL RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS

NAME	SD1
GRANDE (SR 8400)	3.7
ISI-CRC	3.7
MONARCH	3.7
REBEL 3D	3.7
SAFARI	3.7
VEGAS	3.7
ADOBE (SFL)	3.3
KY-31 W/ENDO.	3.3
PST-5STB	3.3
SILVERADO	3.3
TRAILBLAZER II	3.3
TWILIGHT	3.3
DEBUTANTE (WXI-208-2)	3.0
ELDORADO	3.0
LANCER	3.0
MARKSMAN (MB-23-92)	3.0
PICK 90-10	3.0
REBEL, JR.	3.0
SR 8200	3.0
SR 8300	3.0
CAFA101	2.7
FALCON	2.7
FINELAWN 88	2.7
LEPRECHAUN	2.7
MIRAGE (KWS-DSL)	2.7
PYRAMID (SIU-1)	2.7
STARLET (MB-24-92)	2.7
ASTRO 2000	2.3
BAR FA 0855	2.3
JAGUAR 3 (ZPS-J3)	2.3
PHOENIX	2.3
PST-5DX W/ENDOPHYTE	2.3
PST-5LX	2.3
TITAN 2 (SR 8010)	2.3
TOMAHAWK	2.3
CAS-MA21	2.0
CORONADO (PST-RDG)	2.0
CROSSFIRE II (PICK 90-12)	2.0
GAZELLE (ZPS-VL)	2.0
MB-22-92	2.0
OFI-ATK (ISI-ATK)	2.0
OLYMPIC II	2.0
ARID	1.3
KY-31 NO ENDO.	1.3
COYOTE (ZPS-ML)	1.0
LSD VALUE	5.6

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

TABLE 17. DROUGHT TOLERANCE (WILTING) RATINGS OF TALL FESCUE CULTIVARS 1994 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 1/				DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING			
NAME	NE3	NV1	MEAN	NAME	NE3	NV1	MEAN
MONTAUK	5.7	9.0	7.3	JAGUAR 3 (ZPS-J3)	4.3	8.0	6.2
FALCON II (MB-21-92)	5.3	9.0	7.2	ADOBE (SFL)	4.0	8.0	6.0
HOUNDOG V (ISI-AFE)	5.3	9.0	7.2	ARID	4.7	7.3	6.0
SAFARI	5.3	9.0	7.2	BONSAI PLUS	4.3	7.7	6.0
BAR FA 0855	5.0	9.0	7.0	ELDORADO	4.0	8.0	6.0
FA-19	5.0	9.0	7.0	MB-22-92	5.0	7.0	6.0
SR 8210	5.0	9.0	7.0	MONARCH	3.7	8.3	6.0
ANTHEM	4.7	9.0	6.8	PST-5PM	4.0	8.0	6.0
FA-22	4.7	9.0	6.8	PSTF-401	4.0	8.0	6.0
GEN-91	4.7	9.0	6.8	SHENANDOAH	4.0	8.0	6.0
EST-5DX W/ENDOPHYTE	4.7	9.0	6.8	TWILIGHT	3.0	9.0	6.0
ESTF-200	4.7	9.0	6.8	VEGAS	4.3	7.7	6.0
SOUTHERN CHOICE (MB-25-92)	4.7	9.0	6.8	VIRTUE	4.0	8.0	6.0
TRAILBLAZER II	4.7	9.0	6.8	DUSTER (ITR-90-2)	4.0	7.7	5.8
BAR FA 2AB	5.0	8.3	6.7	PICK 90-10	4.0	7.7	5.8
STARLET (MB-24-92)	5.0	8.3	6.7	AZTEC	2.7	9.0	5.8
ALAMO (J-1048)	4.3	9.0	6.7	BAR FA 214	4.3	7.3	5.8
BONANZA	4.3	9.0	6.7	CCRONADO (PST-RDG)	3.7	8.0	5.8
CAFA101	5.3	8.0	6.7	CROSSFIRE II (PICK 90-12)	3.7	8.0	5.8
CAS-MA21	4.3	9.0	6.7	KY-31 NO ENDO.	3.7	8.0	5.8
DUKE	4.7	8.7	6.7	NINJA (ATF-006)	3.7	8.0	5.8
EMPRESS (ZPS-E2)	4.3	9.0	6.7	PYRAMID (SIU-1)	3.7	8.0	5.8
FALCON	4.3	9.0	6.7	APACHE II (PST-59D)	3.3	8.0	5.7
MARKSMAN (MB-23-92)	4.3	9.0	6.7	GAZELLE (ZPS-VL)	5.7	5.7	5.7
OLYMPIC II	4.3	9.0	6.7	PST-5STB	3.3	8.0	5.7
PALISADES (OFI-TF-601)	4.3	9.0	6.7	PSTF-LF	3.7	7.7	5.7
PIXIE	5.3	8.0	6.7	AVANTI	5.3	6.0	5.7
ATF-007	4.0	9.0	6.5	CHIEFTAIN II (PICK CII)	4.0	7.3	5.7
FINELAWN 88	4.0	9.0	6.5	DEBUTANTE (WXI-208-2)	5.0	6.3	5.7
MIRAGE (KWS-DSL)	4.0	9.0	6.5	KITTYHAWK	4.0	7.3	5.7
SHORTSTOP (PICK 90-06)	4.0	9.0	6.5	BONSAI	4.3	6.7	5.5
TITAN 2 (SR 8010)	4.0	9.0	6.5	CAS-LA20	4.3	6.7	5.5
AUSTIN	4.7	8.0	6.3	COCHISE	3.7	7.3	5.5
FINELAWN PETITE	4.7	8.0	6.3	ISI-CRC	4.3	6.7	5.5
GUARDIAN	4.7	8.0	6.3	LEXUS	4.0	6.7	5.3
EST-5VC	4.3	8.3	6.3	REBEL, JR.	4.7	6.0	5.3
BONANZA II	3.7	9.0	6.3	SILVERADO	4.0	6.7	5.3
M-2	3.7	9.0	6.3	TOMAHAWK	4.0	6.7	5.3
PRO-9178	3.7	9.0	6.3	403	4.0	6.3	5.2
EST-5LX	3.7	9.0	6.3	LANCER	4.0	6.3	5.2
ISI-AFA	4.7	7.7	6.2	COYOTE (ZPS-ML)	4.3	5.7	5.0
MICRO DD	3.3	9.0	6.2	LEPRECHAUN	4.0	6.0	5.0
REBEL 3D	4.7	7.7	6.2	KY-31 W/ENDO.	4.0	5.0	4.5
SR 8200	4.7	7.7	6.2	PHOENIX	3.7	5.0	4.3
SR 8300	4.7	7.7	6.2	OFI-ATK (ISI-ATK)	3.3	4.7	4.0
ASTRO 2000	4.3	8.0	6.2				
GRANDE (SR 8400)	4.3	8.0	6.2	LSA VALUE	1.3	2.6	1.5

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

TABLE 18. DROUGHT TOLERANCE (DORMANCY) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

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

NAME	NV1	NAME	NV1
ALAMO (J-1048)	9.0	REBEL 3D	8.3
ANTHEM	9.0	SR 8300	8.3
ATF-007	9.0	VIRTUE	8.3
AZTEC	9.0	APACHE II (PST-59D)	8.0
BAR FA 0855	9.0	ASTRO 2000	8.0
BONANZA	9.0	BAR FA 214	8.0
BONANZA II	9.0	BONSAI PLUS	8.0
CAS-MA21	9.0	FINELAWN PETITE	8.0
EMPRESS (ZPS-E2)	9.0	GRANDE (SR 8400)	8.0
FA-19	9.0	ISI-CRC	8.0
FA-22	9.0	JAGUAR 3 (ZPS-J3)	8.0
FALCON	9.0	KITTYHAWK	8.0
FALCON II (MB-21-92)	9.0	KY-31 NO ENDO.	8.0
FINELAWN 88	9.0	NINJA (ATF-006)	8.0
GEN-91	9.0	OPI-ATK (ISI-ATK)	8.0
HOUNDG V (ISI-AFE)	9.0	PICK 90-10	8.0
LANCER	9.0	PIXIE	8.0
M-2	9.0	PST-5PM	8.0
MARKSMAN (MB-23-92)	9.0	PSTF-401	8.0
MICRO DD	9.0	PSTF-LF	8.0
MIRAGE (KWS-DSL)	9.0	STARLET (MB-24-92)	8.0
MONTAUK	9.0	VEGAS	8.0
OLYMPIC II	9.0	ADOBE (SFL)	7.7
PALISADES (OFI-TF-601)	9.0	AUSTIN	7.7
PRO-9178	9.0	COCHISE	7.7
PST-5DX W/ENDOPHYTE	9.0	DEBUTANTE (WXI-208-2)	7.7
PST-5LX	9.0	DUSTER (ITR-90-2)	7.7
PSTF-200	9.0	ISI-AFA	7.7
SAFARI	9.0	MB-22-92	7.7
SHORTSTOP (PICK 90-06)	9.0	SR 8200	7.7
SOUTHERN CHOICE (MB-25-92)	9.0	ARID	7.3
SR 8210	9.0	CAS-LA20	7.3
TITAN 2 (SR 8010)	9.0	CHIEFTAIN II (PICK CII)	7.3
TRAILBLAZER II	9.0	LEXUS	7.0
TWILIGHT	9.0	SILVERADO	7.0
DUKE	8.7	TOMAHAWK	7.0
MONARCH	8.7	403	6.7
SHENANDOAH	8.7	AVANTI	6.7
BAR FA 2AB	8.3	BONSAI	6.7
CAFA101	8.3	LEPRECHAUN	6.7
CORONADO (PST-RDG)	8.3	REBEL, JR.	6.3
CROSSFIRE II (PICK 90-12)	8.3	COYOTE (ZPS-ML)	6.0
ELDORADO	8.3	GAZELLE (ZPS-VL)	5.7
GUARDIAN	8.3	KY-31 W/ENDO.	5.7
PST-5STB	8.3	PHOENIX	5.0
PST-5VC	8.3		
PYRAMID (SIU-1)	8.3	LSD VALUE	2.1

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

TABLE 19. TYPHULA BLIGHT RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE 1/

NAME	PA1
AVANTI	4.7
BAR FA 2AB	4.7
CAFA101	4.7
KY-31 W/ENDO.	4.7
PALISADES (OFI-TF-601)	4.7
BAR FA 214	4.0
ADOBE (SFL)	3.7
COCHISE	3.7
COYOTE (ZPS-ML)	3.7
ELDORADO	3.7
GEN-91	3.7
SAFARI	3.7
VEGAS	3.7
ATF-007	3.3
AUSTIN	3.3
EMPRESS (ZPS-E2)	3.3
GAZELLE (ZPS-VL)	3.3
JAGUAR 3 (ZPS-J3)	3.3
KY-31 NO ENDO.	3.3
LEXUS	3.3
PHOENIX	3.3
PST-5LX	3.3
TWILIGHT	3.3
ALAMO (J-1048)	3.0
ARID	3.0
AZTEC	3.0
BAR FA 0855	3.0
CAS-MA21	3.0
CROSSFIRE II (PICK 90-12)	3.0
DUSTER (ITR-90-2)	3.0
FALCON II (MB-21-92)	3.0
PST-5STB	3.0
BONSAI PLUS	2.7
CAS-LA20	2.7
FALCON	2.7
FINELAWN 88	2.7
GUARDIAN	2.7
KITTYHAWK	2.7
MIRAGE (KWS-DSL)	2.7
OLYMPIC II	2.7
PST-5PM	2.7
PSTF-LF	2.7
PYRAMID (SIU-1)	2.7
SOUTHERN CHOICE (MB-25-92)	2.7
VIRTUE	2.7
ASTRO 2000	2.3
CHIEFTAIN II (PICK CII)	2.3

TYPHULA BLIGHT RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE

NAME	PA1
DUKE	2.3
M-2	2.3
PICK 90-10	2.3
PRO-9178	2.3
PST-5VC	2.3
SR 8210	2.3
STARLET (MB-24-92)	2.3
TITAN 2 (SR 8010)	2.3
APACHE II (EST-59D)	2.0
BONSAI	2.0
CORONADO (PST-RDG)	2.0
DEBUTANTE (WXI-208-2)	2.0
LANCER	2.0
LEPRECHAUN	2.0
MICRO DD	2.0
OFI-ATK (ISI-ATK)	2.0
SHENANDOAH	2.0
SILVERADO	2.0
SR 8200	2.0
BONANZA II	1.7
FA-19	1.7
FINELAWN PETTITE	1.7
GRANDE (SR 8400)	1.7
MONARCH	1.7
NINJA (ATF-006)	1.7
PST-5DX W/ENDOPHYTE	1.7
PSTF-200	1.7
REBEL 3D	1.7
REBEL, JR.	1.7
SHORTSTOP (PICK 90-06)	1.7
TRAILBLAZER II	1.7
403	1.3
FA-22	1.3
HOUNDOG V (ISI-AFE)	1.3
ISI-CRC	1.3
MARKSMAN (MB-23-92)	1.3
MONTAUK	1.3
PSTF-401	1.3
ANTHEM	1.0
BONANZA	1.0
ISI-AFA	1.0
MB-22-92	1.0
PIXIE	1.0
SR 8300	1.0
TOMAHAWK	1.0
LSD VALUE	2.7

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

TABLE 20. LEAF SPOT RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

NAME	TX1
HOUND OG V (ISI-AFE)	7.7
OFI-ATK (ISI-ATK)	7.7
ANTHEM	7.0
BAR FA 0855	7.0
CORONADO (PST-RDG)	7.0
CROSSFIRE II (PICK 90-12)	7.0
FINELAWN 88	7.0
ISI-AFA	7.0
SAFARI	7.0
ALAMO (J-1048)	6.7
ATF-007	6.7
BONSAI PLUS	6.7
CAS-MA21	6.7
GRANDE (SR 8400)	6.7
PIXIE	6.7
PST-5DX W/ENDOPHYTE	6.7
REBEL, JR.	6.7
TITAN 2 (SR 8010)	6.7
APACHE II (PST-59D)	6.3
ARID	6.3
KY-31 W/ENDO.	6.3
SR 8200	6.3
BAR FA 2AB	6.0
BONSAI	6.0
COYOTE (ZPS-ML)	6.0
EMPRESS (ZPS-E2)	6.0
ISI-CRC	6.0
LANCER	6.0
M-2	6.0
MICRO DD	6.0
PALISADES (OFI-TF-601)	6.0
PHOENIX	6.0
PST-5PM	6.0
PSTF-200	6.0
PSTF-401	6.0
PSTF-LF	6.0
ADOBE (SFL)	5.7
BONANZA II	5.7
COCHISE	5.7
FA-22	5.7
GAZELLE (ZPS-VL)	5.7
KY-31 NO ENDO.	5.7
MARKSMAN (MB-23-92)	5.7
MIRAGE (KWS-DSL)	5.7
PICK 90-10	5.7
REBEL 3D	5.7
SHENANDOAH	5.7

LEAF SPOT RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

NAME	TX1
SR 8210	5.7
STARLET (MB-24-92)	5.7
ASTRO 2000	5.3
CAS-LA20	5.3
ELDORADO	5.3
FALCON II (MB-21-92)	5.3
GUARDIAN	5.3
JAGUAR 3 (ZPS-J3)	5.3
LEPRECHAUN	5.3
SOUTHERN CHOICE (MB-25-92)	5.3
AUSTIN	5.0
BAR FA 214	5.0
CHIEFTAIN II (PICK CII)	5.0
KITTYHAWK	5.0
PYRAMID (SIU-1)	5.0
AZTEC	4.7
DUKE	4.7
DUSTER (ITR-90-2)	4.7
FA-19	4.7
FALCON	4.7
FINELAWN PETITE	4.7
LEXUS	4.7
PRO-9178	4.7
PST-5LX	4.7
PST-5STB	4.7
SHORTSTOP (PICK 90-06)	4.7
SR 8300	4.7
TRAILBLAZER II	4.7
VIRTUE	4.7
AVANTI	4.3
DEBUTANTE (WXI-208-2)	4.3
PST-5VC	4.3
VEGAS	4.3
403	4.0
BONANZA	4.0
MB-22-92	4.0
NINJA (ATF-006)	4.0
OLYMPIC II	4.0
SILVERADO	4.0
CAFA101	3.7
MONTAUK	3.7
GEN-91	3.3
TOMAHAWK	3.0
TWILIGHT	3.0
MONARCH	2.7
LSD VALUE	3.1

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

TABLE 21. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

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

NAME	AR1	AR2	IL2	MO2	NJ1	PA1	VA4	MEAN
KY-31 W/ENDO.	8.7	7.3	8.3	6.7	6.3	7.3	5.0	7.1
PHOENIX	8.3	7.3	8.3	6.3	5.3	7.7	5.7	7.0
VIRTUE	9.0	7.0	8.3	6.3	5.7	8.0	4.3	7.0
JAGUAR 3 (ZPS-J3)	8.7	7.7	6.0	6.0	6.3	8.0	5.3	6.9
ANTHEM	8.0	6.7	9.0	6.7	4.3	8.0	4.7	6.8
BAR FA 0855	8.7	7.0	6.3	6.0	7.0	8.0	3.0	6.6
AZTEC	9.0	7.7	7.0	5.7	5.0	7.7	3.7	6.5
PSTF-200	8.7	5.3	8.0	6.0	4.7	8.0	5.0	6.5
AVANTI	8.3	6.0	8.0	6.0	5.7	7.0	4.3	6.5
MB-22-92	8.7	8.3	6.0	6.7	3.3	8.0	4.3	6.5
GUARDIAN	8.7	5.7	8.0	6.3	3.7	8.0	5.0	6.5
REBEL, JR.	8.0	7.3	6.7	6.3	5.3	8.0	3.7	6.5
FALCON II (MB-21-92)	8.7	6.3	6.7	6.3	3.7	8.0	5.3	6.4
AUSTIN	7.7	6.3	7.7	5.7	4.7	8.0	5.0	6.4
EMPRESS (ZPS-E2)	8.3	7.0	6.0	6.0	4.3	7.7	5.7	6.4
PALISADES (OFI-TF-601)	8.0	7.0	6.7	6.0	4.3	8.0	5.0	6.4
GRANDE (SR 8400)	8.3	7.7	7.3	6.3	3.7	7.7	4.0	6.4
FALCON	8.3	6.7	7.0	6.7	4.0	8.0	4.0	6.4
CAFA101	7.3	5.3	7.7	7.0	4.7	8.0	4.3	6.3
ISI-AFA	8.0	6.7	6.3	6.0	4.0	8.0	5.3	6.3
ISI-CRC	7.0	5.0	7.7	6.0	5.7	7.7	5.3	6.3
MIRAGE (KWS-DSL)	8.3	5.3	7.7	6.7	5.7	7.7	3.0	6.3
SAFARI	8.7	5.3	6.7	6.3	4.0	7.3	6.0	6.3
SR 8300	8.0	6.7	6.0	6.7	4.0	7.7	5.3	6.3
TITAN 2 (SR 8010)	7.3	6.3	7.7	5.7	4.0	8.0	5.3	6.3
MONARCH	8.0	7.3	7.0	6.3	3.7	7.7	4.3	6.3
CROSSFIRE II (PICK 90-12)	8.7	7.3	5.7	6.0	4.7	7.3	4.3	6.3
ARID	8.7	7.0	7.3	6.0	4.0	7.7	3.3	6.3
KY-31 NO ENDO.	6.3	5.7	8.0	7.0	5.0	8.0	4.0	6.3
M-2	8.3	4.7	8.0	6.3	4.7	7.3	4.7	6.3
SHENANDOAH	8.0	5.7	7.0	6.0	4.7	8.0	4.7	6.3
DEBUTANTE (WXI-208-2)	6.7	5.7	7.3	6.3	4.7	8.0	5.0	6.2
DUKE	8.0	5.7	7.7	6.0	4.3	7.7	4.3	6.2
MARKSMAN (MB-23-92)	8.3	7.3	5.7	6.3	3.7	8.0	4.3	6.2
CORONADO (PST-RDG)	7.0	7.0	5.7	6.0	5.0	7.3	5.7	6.2
GEN-91	8.3	6.7	6.3	6.0	4.3	7.7	4.3	6.2
OFI-ATK (ISI-ATK)	6.7	4.7	7.7	6.0	6.3	8.0	4.3	6.2
PSTF-LF	7.3	5.3	7.0	6.0	4.7	8.0	5.3	6.2
PYRAMID (SIU-1)	8.3	7.3	6.3	6.3	4.0	8.0	3.3	6.2
VEGAS	8.7	5.7	6.0	5.3	6.0	8.0	4.0	6.2
ASTRO 2000	7.0	5.7	6.3	6.0	5.7	7.7	5.0	6.2
LEPRECHAUN	8.7	6.3	5.7	6.0	5.0	8.0	3.7	6.2
REBEL 3D	7.7	5.7	7.7	6.0	4.7	8.0	3.7	6.2
ALAMO (J-1048)	9.0	5.7	7.0	5.7	4.3	7.0	4.3	6.1
HOUNDG V (ISI-AFE)	9.0	4.7	5.7	6.7	4.7	8.0	4.3	6.1
PSTF-401	6.0	6.3	8.0	6.0	4.7	8.0	4.0	6.1
SOUTHERN CHOICE (MB-25-92)	8.7	5.0	7.0	5.7	4.7	8.0	4.0	6.1
TOMAHAWK	8.0	6.7	7.7	5.7	4.0	8.0	3.0	6.1
OLYMPIC II	7.7	5.3	6.7	6.7	4.7	7.3	4.3	6.1

TABLE 21. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1994 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	AR1	AR2	IL2	MO2	NJ1	PA1	VA4	MEAN
CAS-LA20	7.3	6.3	7.3	6.0	3.0	7.7	5.0	6.1
TRAILBLAZER II	8.3	5.3	5.7	6.7	4.0	8.0	4.7	6.1
BONSAI PLUS	8.0	7.0	5.7	6.0	4.0	7.3	4.3	6.0
FA-22	9.0	5.7	6.0	6.3	3.0	8.0	4.3	6.0
COYOTE (ZPS-ML)	8.7	5.0	6.0	6.0	4.0	7.7	5.0	6.0
403	7.7	5.0	7.7	6.0	4.0	7.3	4.3	6.0
BONANZA	8.3	5.3	5.0	6.7	4.3	8.0	4.0	6.0
COCHISE	6.7	5.0	6.0	6.7	4.7	7.7	5.0	6.0
PST-5DK W/ENDOPHYTE	8.3	4.7	7.0	5.7	4.3	7.3	4.3	6.0
CHIEFTAIN II (PICK CII)	8.3	4.7	7.0	5.3	4.3	7.0	5.0	6.0
FINELAWN 88	7.3	5.0	6.3	5.7	4.3	8.0	5.0	6.0
PRO-9178	8.0	4.7	7.3	6.0	3.7	7.7	4.0	5.9
SILVERADO	8.0	4.7	6.7	6.0	4.7	8.0	3.3	5.9
BONANZA II	7.3	7.7	2.7	6.3	4.3	7.7	5.0	5.9
MICRO DD	7.7	4.7	5.7	6.3	4.7	8.0	4.0	5.9
MONTAUK	8.0	6.0	4.7	6.0	3.7	8.0	4.7	5.9
PIXIE	7.0	5.0	6.3	6.3	4.3	7.7	4.3	5.9
BAR FA 2AB	8.3	6.0	4.7	6.0	4.3	8.0	3.7	5.9
PST-5LX	8.3	5.3	6.0	6.0	3.7	7.3	4.0	5.8
FA-19	8.0	6.3	5.0	6.0	4.0	8.0	3.3	5.8
LANCER	8.0	5.3	5.3	6.0	3.7	7.0	5.3	5.8
PST-5VC	9.0	6.0	5.0	6.0	3.0	7.0	4.7	5.8
APACHE II (PST-59D)	8.0	4.7	5.7	6.0	2.7	8.0	5.3	5.8
CAS-MA21	8.3	5.0	6.3	6.0	3.3	8.0	3.3	5.8
KITTYHAWK	8.7	6.3	3.0	6.3	4.0	7.7	4.3	5.8
PST-5EM	7.3	6.0	5.0	6.7	3.7	7.3	4.3	5.8
STARLET (MB-24-92)	7.0	6.3	5.7	6.3	3.0	7.7	4.3	5.8
TWILIGHT	8.0	5.0	8.0	5.7	3.7	6.3	3.3	5.7
FINELAWN PETITE	8.3	5.3	3.7	6.0	3.7	7.3	4.7	5.6
SR 8210	8.0	5.3	5.3	6.0	3.0	7.3	4.0	5.6
SHORTSTOP (PICK 90-06)	7.7	5.0	4.7	5.7	5.0	6.7	4.0	5.5
PICK 90-10	7.3	4.7	4.3	6.3	3.7	7.7	4.7	5.5
ATF-007	8.0	4.7	3.7	6.0	3.3	8.0	4.3	5.4
DUSTER (ITR-90-2)	7.3	5.3	4.0	6.0	3.7	7.3	4.3	5.4
LEXUS	7.7	4.7	4.0	5.7	4.3	7.7	4.0	5.4
NINJA (ATF-006)	6.7	5.0	5.3	6.0	3.3	8.0	3.3	5.4
ADOBE (SFL)	7.7	4.3	3.3	6.0	4.3	6.7	5.0	5.3
GAZELIE (ZPS-VL)	8.3	5.3	2.3	6.0	2.7	7.7	5.0	5.3
SR 8200	7.7	4.3	4.7	5.7	4.0	7.7	3.3	5.3
BAR FA 214	7.7	5.3	5.0	5.3	3.3	7.3	3.0	5.3
ELDORADO	6.3	5.3	2.7	6.0	3.7	7.7	4.0	5.1
BONSAI	6.3	4.7	4.0	5.7	3.3	7.3	4.3	5.1
PST-5STB	7.0	4.3	4.3	5.3	3.7	6.7	3.0	4.9
LSD VALUE	2.0	3.4	3.4	0.9	1.9	1.0	1.7	0.8

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

TABLE 22. PYTHIUM BLIGHT RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 1/

NAME	AZ1
AUSTIN	9.0
BAR FA 2AB	9.0
GUARDIAN	9.0
KY-31 W/ENDO.	9.0
MONTAUK	9.0
PSTF-401	9.0
PYRAMID (SIU-1)	9.0
STARLET (MB-24-92)	9.0
TITAN 2 (SR 8010)	9.0
PIXIE	8.7
BONANZA	8.3
DUKE	8.3
SAFARI	8.3
ADOBE (SFL)	8.0
ARID	8.0
AVANTI	8.0
COYOTE (ZPS-ML)	8.0
FALCON II (MB-21-92)	8.0
GAZELLE (ZPS-VL)	8.0
ISI-CRC	8.0
KY-31 NO ENDO.	8.0
LEPRECHAUN	8.0
LEXUS	8.0
MARKSMAN (MB-23-92)	8.0
OLYMPIC II	8.0
SHENANDOAH	8.0
SOUTHERN CHOICE (MB-25-92)	8.0
SR 8300	8.0
TRAILBLAZER II	8.0
VEGAS	8.0
ALAMO (J-1048)	7.7
CAS-LA20	7.7
ASTRO 2000	7.3
CAS-MA21	7.3
DEBUTANTE (WXI-208-2)	7.3
FINELAWN PETITE	7.3
ISI-AFA	7.3
M-2	7.3
MONARCH	7.3
PRO-9178	7.3
SR 8210	7.3
BAR FA 0855	7.0
CAFA101	7.0
ELDORADO	7.0
EMPRESS (ZPS-E2)	7.0
FALCON	7.0
APACHE II (PST-59D)	6.7

PYTHIUM BLIGHT RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE

NAME	AZ1
DUSTER (ITR-90-2)	6.7
MB-22-92	6.7
AZTEC	6.3
BONANZA II	6.3
BONSAI PLUS	6.3
COCHISE	6.3
CORONADO (PST-RDG)	6.3
CROSSFIRE II (PICK 90-12)	6.3
JAGUAR 3 (ZPS-J3)	6.3
LANCER	6.3
NINJA (ATF-006)	6.3
OFI-ATK (ISI-ATK)	6.3
PALISADES (OFI-TF-601)	6.3
PSTF-200	6.3
PSTF-LF	6.3
REBEL 3D	6.3
REBEL, JR.	6.3
TOMAHAWK	6.3
403	6.0
BAR FA 214	6.0
BONSAI	6.0
CHIEFTAIN II (PICK CII)	6.0
GRANDE (SR 8400)	6.0
KITTYHAWK	6.0
PST-5VC	6.0
SR 8200	6.0
FA-19	5.7
PHOENIX	5.7
PST-5DX W/ENDOPHYTE	5.7
SHORTSTOP (PICK 90-06)	5.7
SILVERADO	5.7
GEN-91	5.3
HOUNDOG V (ISI-AFE)	5.3
MICRO DD	5.3
PICK 90-10	5.3
PST-5LX	5.3
PST-5STB	5.3
TWILIGHT	5.3
VIRTUE	5.3
ANTHEM	5.0
ATF-007	4.7
FINELAWN 88	4.7
PST-5PM	4.3
FA-22	4.0
MIRAGE (KWS-DSL)	3.3
LSD VALUE	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 LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 23. DENSITY COUNT (SPRING) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

DENSITY COUNTS IN SPRING: STEMS/81 SQ.CM 1/			
NAME	AR1	AR2	MEAN
PYRAMID (SIU-1)	118.0	211.3	164.7
PST-5DX W/ENDOPHYTE	97.7	217.3	157.5
FA-22	118.0	189.3	153.7
LEXUS	118.3	179.7	149.0
PST-5PM	108.7	184.7	146.7
FA-19	84.0	208.0	146.0
AZTEC	100.7	180.0	140.3
PICK 90-10	91.3	184.0	137.7
GRANDE (SR 8400)	114.7	160.3	137.5
CORONADO (PST-RDG)	106.3	167.0	136.7
PALISADES (OFI-TF-601)	98.3	175.0	136.7
SILVERADO	117.3	155.3	136.3
JAGUAR 3 (ZPS-J3)	83.3	188.7	136.0
HOUNDOG V (ISI-AFE)	88.7	181.7	135.2
STARLET (MB-24-92)	105.3	164.7	135.0
SOUTHERN CHOICE (MB-25-92)	98.7	170.7	134.7
BONANZA II	96.0	169.3	132.7
VEGAS	103.0	161.0	132.0
ATF-007	86.7	176.3	131.5
TITAN 2 (SR 8010)	94.3	166.7	130.5
TOMAHAWK	106.7	152.7	129.7
TRAILBLAZER II	72.3	186.0	129.2
EMPRESS (ZPS-E2)	101.0	157.0	129.0
ASTRO 2000	83.3	173.3	128.3
MICRO DD	81.3	173.0	127.2
M-2	93.7	160.0	126.8
SR 8300	93.3	160.3	126.8
APACHE II (PST-59D)	81.3	169.0	125.2
LANCER	104.3	146.0	125.2
COCHISE	106.7	140.0	123.3
ISI-CRC	76.0	170.7	123.3
ALAMO (J-1048)	82.7	163.3	123.0
CROSSFIRE II (PICK 90-12)	85.0	160.7	122.8
PSTF-200	92.3	152.7	122.5
COYOTE (ZPS-ML)	109.7	135.0	122.3
PST-5LX	97.7	147.0	122.3
SHORTSTOP (PICK 90-06)	87.7	156.0	121.8
OFI-ATK (ISI-ATK)	79.0	164.0	121.5
BONANZA	90.7	151.0	120.8
NINJA (ATF-006)	91.3	150.3	120.8
CHIEFTAIN II (PICK CII)	78.3	163.0	120.7
PST-5VC	83.0	158.0	120.5
REBEL, JR.	66.0	175.0	120.5
FALCON II (MB-21-92)	85.7	155.0	120.3
TWILIGHT	87.0	153.3	120.2
DUKE	85.3	155.0	120.2
AUSTIN	91.3	148.0	119.7

DENSITY COUNT (SPRING) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

DENSITY COUNTS IN SPRING: STEMS/81 SQ.CM			
NAME	AR1	AR2	MEAN
FINELAWN PETITE	76.3	163.0	119.7
GEN-91	51.7	187.7	119.7
BONSAI PLUS	92.7	146.3	119.5
PST-5STB	92.7	145.7	119.2
ANTHEM	98.3	138.7	118.5
KITTYHAWK	95.7	141.0	118.3
ADOBE (SFL)	93.7	141.7	117.7
DEBUTANTE (WXI-208-2)	74.0	159.3	116.7
SR 8200	98.0	135.0	116.5
MB-22-92	91.3	141.0	116.2
CAS-LA20	79.0	152.3	115.7
REBEL 3D	79.0	152.3	115.7
MONARCH	70.7	159.0	114.8
SR 8210	76.7	153.0	114.8
BAR FA 214	85.7	141.7	113.7
ELDORADO	87.7	139.0	113.3
PIXIE	86.7	140.0	113.3
GUARDIAN	70.0	154.7	112.3
GAZELLE (ZPS-VL)	97.7	124.3	111.0
AVANTI	78.0	142.3	110.2
MONTAUK	79.7	140.0	109.8
PSTF-LF	75.7	141.3	108.5
MARKSMAN (MB-23-92)	69.0	147.3	108.2
ISI-AFA	83.3	132.3	107.8
PSTF-401	93.7	122.0	107.8
LEPRECHAUN	74.3	140.7	107.5
OLYMPIC II	104.3	110.0	107.2
BAR FA 2AB	88.3	125.3	106.8
VIRTUE	89.3	122.7	106.0
403	88.0	122.3	105.2
SAFARI	64.3	145.7	105.0
PHOENIX	92.0	116.3	104.2
KY-31 W/ENDO.	67.7	137.7	102.7
MIRAGE (KWS-DSL)	103.0	101.0	102.0
FINELAWN 88	83.0	120.0	101.5
KY-31 NO ENDO.	95.0	107.3	101.2
SHENANDOAH	77.7	124.3	101.0
BAR FA 0855	90.7	110.3	100.5
PRO-9178	74.3	125.3	99.8
CAS-MA21	84.7	113.7	99.2
FALCON	63.7	134.7	99.2
DUSTER (ITR-90-2)	72.0	123.7	97.8
BONSAI	86.0	97.7	91.8
ARID	63.0	119.3	91.2
CAFA101	74.7	101.7	88.2
LSD VALUE	40.6	69.4	40.2

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

TABLE 24. DENSITY COUNT (FALL) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

DENSITY COUNTS IN FALL: STEMS/81 SQ.CM 1/			
NAME	AR1	AR2	MEAN
MB-22-92	88.7	85.3	87.0
LANCER	92.7	62.3	77.5
PALISADES (OFI-TF-601)	95.3	59.0	77.2
PST-5LX	95.0	58.0	76.5
GRANDE (SR 8400)	84.0	66.0	75.0
BAR FA 0855	93.3	56.0	74.7
MONTAUK	88.3	59.3	73.8
AZTEC	75.7	71.7	73.7
FA-19	92.3	52.0	72.2
DEBUTANTE (WXI-208-2)	82.7	61.0	71.8
GUARDIAN	89.0	54.3	71.7
MONARCH	87.3	56.0	71.7
CRONADO (PST-RDG)	78.7	64.3	71.5
BONSAI PLUS	76.0	65.3	70.7
M-2	85.3	56.0	70.7
TOMAHAWK	75.7	65.0	70.3
BAR FA 2AB	81.3	59.0	70.2
PYRAMID (SIU-1)	74.0	66.3	70.2
LEXUS	89.0	49.3	69.2
PSTF-401	83.3	55.0	69.2
PST-5DX W/ENDOPHYTE	91.3	46.7	69.0
DUSTER (ITR-90-2)	85.0	52.3	68.7
PST-5STB	82.0	55.3	68.7
TITAN 2 (SR 8010)	77.0	60.3	68.7
MIRAGE (KWS-DSL)	75.3	62.0	68.7
FALCON II (MB-21-92)	77.7	58.7	68.2
EMPRESS (ZPS-E2)	81.0	54.7	67.8
PST-5PM	89.3	46.0	67.7
PHENIX	89.3	45.3	67.3
ISI-AFA	72.7	61.3	67.0
VIRTUE	86.7	46.7	66.7
BONANZA II	69.0	64.3	66.7
CROSSFIRE II (PICK 90-12)	78.7	53.7	66.2
SAFARI	74.0	57.3	65.7
GAZELLE (ZPS-VL)	71.3	59.7	65.5
BAR FA 214	74.7	56.0	65.3
REBEL 3D	87.0	43.7	65.3
ELDORADO	75.3	55.0	65.2
APACHE II (PST-59D)	76.7	52.3	64.5
CAS-MA21	61.0	68.0	64.5
ALAMO (J-1048)	83.3	44.7	64.0
NINJA (ATF-006)	80.7	47.0	63.8
PIXIE	79.3	48.0	63.7
STARLET (MB-24-92)	65.3	61.7	63.5
JAGUAR 3 (ZPS-J3)	68.7	58.0	63.3
SHORTSTOP (PICK 90-06)	76.7	49.7	63.2
FA-22	68.7	57.3	63.0

DENSITY COUNT (FALL) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

DENSITY COUNTS IN FALL: STEMS/81 SQ.CM			
NAME	AR1	AR2	MEAN
HOUNDG V (ISI-AFE)	82.0	42.7	62.3
ADOBE (SFL)	79.3	45.0	62.2
FINELAWN PETITE	78.3	45.7	62.0
403	70.0	53.7	61.8
FINELAWN 88	72.3	51.3	61.8
PICK 90-10	84.0	39.3	61.7
OLYMPIC II	73.3	49.7	61.5
COCHISE	90.0	32.3	61.2
COYOTE (ZPS-ML)	78.0	44.0	61.0
TRAILBLAZER II	73.0	48.3	60.7
ATF-007	78.0	42.7	60.3
AVANTI	74.0	46.3	60.2
PSTF-LF	74.7	45.7	60.2
CAS-LA20	63.3	56.7	60.0
GEN-91	49.3	70.0	59.7
MICRO DD	75.7	43.0	59.3
VEGAS	68.3	50.3	59.3
SHENANDOAH	63.3	54.3	58.8
BONANZA	68.0	49.3	58.7
ARID	59.0	58.0	58.5
CAFA101	86.3	30.3	58.3
PST-5VC	88.3	28.3	58.3
SILVERADO	75.0	41.7	58.3
DUKE	69.7	45.7	57.7
MARKSMAN (MB-23-92)	50.3	65.0	57.7
PRO-9178	57.0	58.0	57.5
REBEL, JR.	73.0	41.0	57.0
PSTF-200	56.3	57.0	56.7
CHIEFTAIN II (PICK CII)	62.7	49.3	56.0
AUSTIN	62.7	49.0	55.8
SR 8210	60.0	51.7	55.8
SR 8300	63.7	47.7	55.7
ANTHEM	58.3	52.3	55.3
TWILIGHT	63.3	46.0	54.7
SOUTHERN CHOICE (MB-25-92)	78.3	31.0	54.7
FALCON	42.3	65.0	53.7
CFI-ATK (ISI-ATK)	62.0	45.0	53.5
SR 8200	61.3	44.0	52.7
ASTRO 2000	64.7	40.0	52.3
KITTYHAWK	51.7	51.3	51.5
BONSAI	65.0	37.7	51.3
KY-31 W/ENDO.	74.3	26.0	50.2
LEPRECHAUN	61.0	35.3	48.2
ISI-CRC	62.7	28.0	45.3
KY-31 NO ENDO.	42.7	45.7	44.2
LSD VALUE	28.6	27.2	19.8

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

TABLE 25.

FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS
1994 DATAFALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS
1994 DATA

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

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

NAME	NJ2	NAME	NJ2
CORONADO (EST-RDG)	7.7	M-2	5.0
COYOTE (ZPS-ML)	7.0	MB-22-92	5.0
ISI-AFA	6.7	PRO-9178	5.0
LEXUS	6.7	REBEL, JR.	5.0
PST-5VC	6.7	SILVERADO	5.0
REBEL 3D	6.7	TOMAHAWK	5.0
BAR FA 2AB	6.3	VIRTUE	5.0
BONSAI	6.3	ADOBE (SFL)	4.7
DUSTER (ITR-90-2)	6.3	AVANTI	4.7
GEN-91	6.3	BONSAI PLUS	4.7
HOUNDOG V (ISI-AFE)	6.3	MONTAUK	4.7
NINJA (ATF-006)	6.3	PALISADES (OFI-TF-601)	4.7
PST-5DX W/ENDOPHYTE	6.3	STARLET (MB-24-92)	4.7
APACHE II (PST-59D)	6.0	AUSTIN	4.3
ATF-007	6.0	BAR FA 0855	4.3
FINELAWN PETITE	6.0	BONANZA II	4.3
GAZELLE (ZES-VL)	6.0	FINELAWN 88	4.3
JAGUAR 3 (ZPS-J3)	6.0	ISI-CRC	4.3
LANCER	6.0	OFI-ATK (ISI-ATK)	4.3
MICRO DD	6.0	PST-5LX	4.3
PIXIE	6.0	PSTF-200	4.3
PST-5STB	6.0	SAFARI	4.3
TRAILBLAZER II	6.0	VEGAS	4.3
GUARDIAN	5.7	403	4.0
LEPRECHAUN	5.7	CAS-LA20	4.0
MIRAGE (KWS-DSL)	5.7	COCHISE	4.0
PICK 90-10	5.7	MONARCH	4.0
SHORTSTOP (PICK 90-06)	5.7	PSTF-401	4.0
TWILIGHT	5.7	ASTRO 2000	3.7
BAR FA 214	5.3	GRANDE (SR 8400)	3.7
CROSSFIRE II (PICK 90-12)	5.3	PHOENIX	3.7
FALCON II (MB-21-92)	5.3	SR 8200	3.7
MARKSMAN (MB-23-92)	5.3	ARID	3.3
PST-5PM	5.3	BONANZA	3.3
PYRAMID (SIU-1)	5.3	CAFA101	3.3
SOUTHERN CHOICE (MB-25-92)	5.3	CAS-MA21	3.3
SR 8210	5.3	PSTF-LF	3.3
SR 8300	5.3	TITAN 2 (SR 8010)	3.3
ALAMO (J-1048)	5.0	KITTYHAWK	3.0
AZTEC	5.0	OLYMPIC II	3.0
CHIEFTAIN II (PICK CII)	5.0	FALCON	2.7
DEBUTANTE (WXI-208-2)	5.0	SHENANDOAH	2.7
DUKE	5.0	ANTHEM	2.0
ELDORADO	5.0	KY-31 NO ENDO.	2.0
EMPRESS (ZPS-E2)	5.0	KY-31 W/ENDO.	2.0
FA-19	5.0		
FA-22	5.0	LSD VALUE	1.8

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