

NATIONAL TURFGRASS EVALUATION PROGRAM

The National Turfgrass Evaluation Program (NTEP) is designed to develop and coordinate uniform evaluation trials of turfgrass varieties and promising selections in the United States and Canada. Test results can be used by national companies and plant breeders to determine the broad picture of the adaptation of a cultivar. Results can also be used to determine if a cultivar is well adapted to a local area or level of turf maintenance.

Briefly, the NTEP is a self-supporting, non-profit program, sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. Program policy is made by a policy committee consisting of one member from each of the four (4) Regional Turfgrass Research Committees in the United States, one member from the Lawn Seed Division of the American Seed Trade Association, one member from the American Sod Producers Association, one member from the United States Golf Association (USGA) Green Section, one member from the Turfgrass Breeders Association, an executive director and a national program coordinator. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

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

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LOCATIONS SUBMITTING DATA FOR 1999

<u>State</u>	<u>Location</u>	<u>Code</u>
California	Santa Clara	CA1
Colorado	Ft. Collins	CO1
Illinois	Urbana	IL1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Maine	Orono (High Input)	ME1
Maine	Orono (Low Input)	ME2
Maryland	College Park	MD1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Michigan	East Lansing (Shade)	MI2
Missouri	Columbia	MO1
Montana	Bozeman	MT1
North Carolina	Raleigh (High Input)	NC1
North Carolina	Raleigh (Low Input - No Irrigation)	NC2
Nebraska	Mead (Shade)	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
New York	Ithaca	NY1
Nova Scotia	Truro	NS1
Oklahoma	Stillwater	OK1
Pennsylvania	University Park	PA1
Quebec	Quebec	QE1
Rhode Island	Kingston	RI1
South Dakota	Brookings	SD1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Washington	Puyallup	WA3
Wisconsin	Madison	WI1
Wisconsin	Madison (Fairway Traffic)	WI2

1998 NATIONAL FINELEAF FESCUE TEST
 Entries and Sponsors

Entry No.	Name	Species	Sponsor	Entry No.	Name	Species	Sponsor
1	ACF 083	chewings	Advanta Seeds Pacific, Inc.	41	PST-4HM	chewings	Pure-Seed Testing, Inc.
2	ACF 092	chewings	Jenks Seeds Connection	42	PST-4MB	blue hard	Pure-Seed Testing, Inc.
3	ASC 082	strong creeping	Advanta Seeds Pacific, Inc.	43	Shadow II	chewings	Standard Entry
4	ASC 172	strong creeping	Advanta Seeds Pacific, Inc.	44	Tiffany	chewings	Turf-Seed, Inc.
5	ASC 087	strong creeping	Jenks Seeds Connection	45	Bighorn	hard	Turf-Seed, Inc.
6	Scaldis II (AHF 008)	hard	Seed Research of Oregon	46	MB-63	chewings	ProSeeds Marketing
7	Stonehenge (AHF 009)	hard	Ampac Seeds Co.	47	ABT-HF1	hard	ProSeeds Marketing
8	ASR 049	slender creeping	Advanta Seeds Pacific, Inc.	48	ISI Frr 5	strong creeping	Cebeco International Seeds, Inc.
9	Dawson E+	slender creeping	Standard Entry	49	ISI Frr 7	strong creeping	Cebeco International Seeds, Inc.
10	Attila E	hard	Turf Merchants, Inc.	50	Longfellow II	chewings	Cebeco International Seeds, Inc.
11	Minotaur	hard	Turf Merchants, Inc.	51	ISI Fl 11	hard	Cebeco International Seeds, Inc.
12	Intrigue	chewings	Turf Merchants, Inc.	52	ISI Fl 12	hard	Cebeco International Seeds, Inc.
13	Scaldis	hard	Standard Entry	53	Quatro	sheep	Standard Entry
14	DGSC 94	strong creeping	DLF Trifolium	54	Reliant II	hard	ProSeeds Marketing
15	Ambassador	chewings	Lebanon Seaboard Corp.	55	ABT-HF-4	hard	Simplot Turf & Hort.
16	Oxford	hard	Lebanon Seaboard Corp.	56	Jamestown II	chewings	Simplot Turf & Hort.
17	Pathfinder	strong creeping	Lebanon Seaboard Corp.	57	ABT-CHW-1	chewings	Simplot Turf & Hort.
18	Brittany	chewings	LESCO, Inc.	58	ABT-CHW-2	chewings	ProSeeds Marketing
19	Defiant	hard	LESCO, Inc.	59	Seabreeze	slender creeping	Standard Entry
20	Shademark	strong creeping	LESCO, Inc.	60	Culombra	chewings	ProSeeds Marketing
21	Pick FF A-97	hard	Pickseed West, Inc.	61	SRX 52961	strong creeping	Seed Research of Oregon, Inc.
22	Jasper II	strong creeping	Pickseed West, Inc.	62	SRX 52LAV	strong creeping	Seed Research of Oregon, Inc.
23	Rescue 911	hard	Simplot Turf & Horticulture	63	SR 5100	chewings	Seed Research of Oregon, Inc.
24	Salsa	strong creeping	R. A. G. T. France	64	SRX 3961	hard	Seed Research of Oregon, Inc.
25	4001	hard	The Scotts Company	65	SR 3200	blue	Seed Research of Oregon, Inc.
26	Magic	chewings	Grasslands West	66	SR 6000	tufted hairgrass	Seed Research of Oregon, Inc.
27	Silhouette (Pick Frc 4-92)	chewings	Roberts/Ampac Seed Co.	67	Sandpiper	chewings	Royal Seeds, Inc.
28	BAR CHF 8 FUS2	chewings	Barenbrug Research	68	Osprey	hard	Royal Seeds, Inc.
29	BAR CF 8 FUS1	strong creeping	Barenbrug Research	69	Heron	hard	Cascade Int'l Seed Co.
30	BAR HF 8 FUS	hard	Barenbrug Research	70	ABT-CHW-3	chewings	ProSeeds Marketing
31	BAR SCF 8 FUS3	slender creeping	Barenbrug Research	71	ABT-CR-2	strong creeping	Simplot Turf & Hort.
32	Bridgeport	chewings	Barenbrug USA	72	ABT-HF-2	hard	ProSeeds Marketing
33	PST-4FR	strong creeping	Pure-Seed Testing, Inc.	73	ABT-HF-3	hard	Simplot Turf & Hort.
34	PST-47TCR	strong creeping	Pure-Seed Testing, Inc.	74	Nordic (E)	hard	ProSeeds Marketing
35	PST-EFL	strong creeping	Pure-Seed Testing, Inc.	75	ABT-CR-3	strong creeping	ProSeeds Marketing
36	Pick Frc A-93	chewings	Pickseed West, Inc.	76	Banner III	chewings	ProSeeds Marketing
37	Florentine	strong creeping	Standard Entry	77	MB-82	hard	ProSeeds Marketing
38	Shademaster II	strong creeping	Turf-Seed, Inc.	78	Common creeping red	strong creeping	Standard Entry
39	Discovery	hard	Standard Entry	79	Boreal	strong creeping	Standard Entry
40	Treasure (E)	chewings	ProSeeds Marketing				

TABLE A.

1999 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1998 NATIONAL FINELEAF 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
CA1	LOAM	6.6-7.0	0-60	0-150	3.1-4.0	-	-	-
CO1	-	-	-	-	-	-	-	-
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
IN1	SILT LOAM AND SILT	6.6-7.0	61-150	376-500	1.1-2.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	3.6-4.0	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
MA1	LOAM	6.1-6.5	151-270	241-375	5.1-6.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MD1	-	-	-	-	-	-	-	-
ME1	-	-	-	-	-	-	-	-
ME2	-	-	-	-	-	-	-	-
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	0.0-1.0	FULL SUN	3.1-3.5	ONLY DURING SEVERE STRESS
MI2	SANDY LOAM	7.1-7.5	61-150	151-240	0.0-1.0	SHADE	3.1-3.5	ONLY DURING SEVERE STRESS
MO1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	0.0-1.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MT1	SILT LOAM AND SILT	7.1-7.5	61-150	501+	1.1-2.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
NC1	-	-	-	-	-	-	-	-
NC2	-	-	-	-	-	-	-	-
NE1	SILTY CLAY LOAM	5.6-6.0	0-60	0-150	0.0-1.0	UNIFORM SHADE	2.6-3.0	TO PREVENT DORMANCY
NJ1	SANDY LOAM	6.1-6.5	271-450	151-240	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	376-500	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NS1	SANDY LOAM	6.1-6.5	451+	501+	1.1-2.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	-	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OK1	SILTY CLAY LOAM	6.1-6.5	61-150	501+	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
PA1	LOAM	6.1-6.5	61-150	151-240	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
QE1	-	-	-	-	-	-	-	-
RI1	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
SD1	SILTY CLAY LOAM	7.6-8.5	0-60	241-375	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UT1	SANDY CLAY LOAM	7.6-8.5	0-60	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
VA1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
WA3	SILT LOAM AND SILT	5.6-6.0	0-60	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	-	-	-	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
WI2	SILT LOAM AND SILT	-	-	-	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1999

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
CA1								X	X	X	X	X	X		
CO1				X	X	X	X	X	X				X	X	
IA1					X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X	X	
IN1					X	X	X	X	X	X	X			X	
KS1				X	X	X	X	X	X	X					
KY1			X	X	X	X	X	X	X	X			X		X
MA1				X	X	X	X	X	X	X				X	
MD1							X	X	X	X	X				
ME1						X	X	X	X	X	X		X		
ME2						X	X	X	X	X	X		X		
MI1				X	X	X	X	X	X		X			X	
MI2				X	X	X	X	X	X					X	
MO1				X	X	X	X	X	X	X	X		X	X	X
MT1						X	X	X	X	X			X		X
NC1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
NC2						X	X	X	X	X	X	X	X		
NE1				X	X	X	X	X	X	X			X	X	
NJ1				X	X	X	X	X	X	X	X	X		X	
NJ2			X	X	X	X	X	X	X	X	X				X
NS1				X	X	X	X	X	X	X			X	X	X
NY1							X	X	X	X			X		
OK1				X	X	X	X	X	X	X	X	X	X	X	X
PA1					X	X	X	X	X	X			X	X	
QE1							X	X	X	X			X		X
RI1					X	X	X	X	X	X	X		X	X	X
SD1				X	X	X	X	X	X				X	X	
UT1						X	X	X	X	X	X		X		
VA1			X	X	X	X	X	X	X	X	X	X	X	X	
WA1							X	X	X	X					
WA3			X	X	X	X	X	X	X	X	X	X	X		
WI1				X	X	X	X	X	X	X			X	X	
WI2				X	X	X	X	X	X	X			X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1999

LOCATION	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	DROUGHT TOLERANCE DORMANCY	MICRODOCHIUM PATCH	LEAF SPOT	DOLLAR SPOT	BROWN PATCH (WARM TEMP.)
CA1	X													
CO1							X							
IA1														
IL1							X							
IN1	X						X							
KS1	X	X	X	X										
KY1	X		X				X		X					
MA1	X													
MD1														
ME1					X						X	X		X
ME2					X						X	X		X
MI1	X													
MI2	X													
MO1	X	X	X	X	X	X	X							
MT1	X	X	X	X				X						
NC1						X								
NC2			X		X									
NE1		X	X	X										
NJ1	X						X		X			X		
NJ2	X						X					X		
NS1	X	X	X	X	X		X							
NY1	X													
OK1	X	X	X	X	X	X	X		X					
PA1	X	X											X	
QE1	X		X	X										
RI1	X			X										
SD1	X	X	X											
UT1			X				X							
VA1									X					
WA1	X									X				
WA3	X	X	X	X										
WI1					X	X	X							
WI2					X	X	X							

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1999

LOCATION	SUMMER PATCH	PERCENT ESTABLISHMENT	ESTABLISHMENT RATINGS				NET BLOTCH RATINGS	OVERALL DISEASE RATINGS	PERCENT BROWN PATCH	
			SEP.98	OCT.98	NOV.98	MAY 99			JULY	AUGUST
CA1										
CO1		X								
IA1		X								
IL1		X								
IN1										
KS1										
KY1								X	X	
MA1		X								
MD1										
ME1		X								
ME2		X								
MI1							X			
MI2										
MO1										
MT1										
NC1	X	X								
NC2										
NE1			X	X	X					
NJ1										
NJ2							X			
NS1		X								
NY1										
OK1										
PA1										
QE1										
RI1										
SD1										
UT1				X		X				
VA1		X								
WA1										
WA3										
WI1		X								
WI2		X								

TABLE 1A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
* LONGFELLOW II	5.3	4.4	6.4	5.2	5.8	7.9	7.5	6.2	7.4	7.9	7.6	5.9	6.7	6.3	5.7	6.4	5.9	7.2	5.0	4.3	6.7	4.8	6.1	5.1	5.9	4.9	5.8	6.2	6.9	6.1
* JASPER II	5.9	5.5	6.4	5.6	5.4	7.9	7.7	5.6	7.4	7.2	7.2	6.4	6.4	5.1	5.7	6.6	5.7	6.8	6.2	4.3	6.6	4.6	6.3	4.6	5.6	5.3	5.0	5.6	7.2	6.1
4001	6.5	5.7	6.1	4.9	4.9	7.0	7.1	4.8	8.1	7.7	8.0	6.1	5.3	4.9	4.1	6.7	6.0	6.6	5.3	2.5	7.5	4.6	7.4	5.0	6.1	6.2	4.3	6.2	6.6	5.9
* AMBASSADOR	5.7	4.9	5.9	4.8	5.5	7.7	7.7	6.2	7.6	7.4	7.4	5.8	6.4	5.9	5.6	5.8	5.7	6.5	5.6	3.6	6.3	4.5	5.8	5.3	4.6	4.8	5.9	6.3	6.6	5.9
ABT-CHW-3	4.8	5.1	6.2	5.1	5.5	7.8	7.5	6.0	6.8	7.6	7.8	5.7	6.4	5.7	4.6	5.8	5.4	7.2	5.2	3.0	6.8	4.6	5.9	5.6	4.9	5.3	5.8	6.4	7.1	5.9
ABT-CHW-2	5.2	5.4	6.2	4.8	4.9	7.5	7.5	5.5	7.1	7.8	6.9	6.1	6.6	5.7	4.6	6.4	5.9	7.1	5.5	4.0	6.2	4.6	5.9	5.6	5.3	4.5	6.1	6.1	6.5	5.9
* INTRIGUE	4.9	4.9	6.4	5.0	5.3	7.7	7.8	6.0	7.4	7.6	7.2	6.3	5.5	5.1	4.9	6.1	5.4	7.1	5.8	3.0	6.8	4.8	6.3	4.6	5.8	4.2	5.7	6.6	6.7	5.9
SRX 52961	5.5	5.2	6.8	5.4	5.8	7.7	7.1	5.0	7.4	7.2	7.3	6.3	6.0	5.7	4.9	6.1	5.7	6.7	5.8	4.0	5.7	4.7	6.1	4.5	4.8	4.7	4.6	5.4	6.9	5.8
* TREASURE (E)	5.3	4.9	5.8	5.2	4.7	7.8	6.9	6.0	7.0	7.4	7.0	6.2	6.3	6.0	5.2	5.9	5.6	7.3	5.3	3.4	7.1	4.6	5.6	4.4	5.0	4.9	5.5	5.8	6.9	5.8
* CULOMBRA	4.5	5.7	6.2	5.5	5.7	7.7	6.7	5.8	6.3	7.1	7.3	5.9	6.5	6.4	5.3	4.2	5.0	7.4	5.1	3.5	5.6	4.9	6.2	4.8	5.7	5.2	5.8	5.7	6.7	5.8
ABT-HF1	6.3	5.9	6.1	4.8	4.8	6.5	7.3	5.0	7.9	7.5	7.2	6.2	4.6	4.9	4.8	6.3	6.2	6.6	5.0	2.4	7.4	4.5	6.7	5.1	6.0	6.2	3.8	6.1	6.0	5.8
ABT-CR-2	6.0	5.4	6.7	5.2	5.5	8.1	7.5	5.2	7.0	7.3	6.8	5.8	6.6	5.1	5.1	6.5	5.4	6.3	5.8	3.6	5.6	4.6	5.6	4.4	4.5	4.9	4.9	5.6	6.6	5.8
PICK FRC A-93	5.5	4.6	5.5	5.0	5.1	7.4	7.8	5.4	6.9	7.3	7.4	6.1	6.2	5.8	5.0	5.0	4.8	6.8	5.4	3.3	6.1	4.7	6.0	5.2	5.3	4.9	6.2	5.8	6.8	5.8
ABT-CR-3	5.6	5.3	6.7	4.7	5.9	7.3	7.8	4.9	6.8	7.7	7.3	5.6	6.2	5.2	5.3	6.5	5.2	6.5	5.8	3.6	6.1	4.7	5.8	4.6	4.5	4.7	5.1	5.3	6.9	5.8
* OXFORD	6.8	5.9	5.9	4.9	5.0	6.7	7.1	4.2	7.7	7.4	7.7	5.8	5.5	4.7	4.8	5.7	5.6	6.9	5.3	2.9	6.7	4.4	6.0	5.3	5.0	5.8	4.6	6.1	6.2	5.8
* SHADOW II	5.2	5.1	6.3	4.5	5.0	6.7	7.1	6.1	6.9	7.4	6.6	5.6	6.4	5.3	4.9	5.6	5.5	7.1	5.5	2.9	6.0	4.6	6.0	5.1	5.4	5.1	5.2	6.5	6.7	5.7
PST-EFL	5.7	4.6	6.6	5.2	5.6	7.9	7.3	5.0	6.8	7.1	7.2	6.1	6.5	5.8	4.7	5.9	5.1	6.9	5.1	4.0	5.8	4.5	5.8	4.5	4.6	5.1	4.4	5.3	6.7	5.7
ISI FRR 7	5.4	4.4	6.5	5.2	4.8	7.8	7.3	5.7	6.9	7.3	7.2	6.0	6.0	6.0	5.4	5.9	5.5	6.4	5.9	4.4	5.3	4.6	5.8	4.4	4.2	4.3	5.2	5.3	6.5	5.7
ISI FRR 5	5.5	4.4	6.1	5.2	5.2	8.3	7.1	5.0	7.1	7.1	7.1	6.2	6.3	5.5	5.5	6.0	4.7	6.2	5.3	4.5	6.2	4.6	5.8	4.7	5.1	4.5	4.1	5.3	6.8	5.7
SRX 3961	6.4	5.1	5.8	4.4	5.0	6.4	7.3	4.5	7.3	7.0	7.2	6.4	5.3	4.7	4.6	6.4	6.4	6.6	5.1	2.6	7.3	4.5	6.9	5.3	5.3	5.6	3.8	5.8	6.2	5.7
PST-4FR	5.6	4.5	5.9	5.0	5.8	8.0	7.4	5.4	7.3	7.3	7.7	6.1	6.6	5.3	5.1	5.5	4.7	6.3	5.3	3.3	5.9	4.5	6.5	4.4	4.7	4.7	4.1	5.8	6.6	5.7
* FLORENTINE	5.6	4.7	6.3	4.9	5.2	7.8	7.5	4.5	7.0	7.4	7.4	5.8	6.0	5.6	5.3	5.4	5.3	6.5	5.5	3.6	5.7	4.5	5.8	4.5	5.2	4.4	5.0	5.5	6.3	5.7
* PATHFINDER	5.7	4.4	5.8	5.0	4.9	7.7	7.5	5.0	6.5	6.8	7.3	6.2	6.3	6.0	5.4	5.9	5.0	6.4	5.4	4.1	5.1	4.6	5.3	4.8	4.7	4.5	5.2	5.4	6.9	5.7
* SHADEMASTER II	5.3	4.9	6.0	5.1	4.6	7.6	7.0	4.5	6.8	7.1	7.1	5.9	7.0	5.9	5.6	5.3	4.6	6.4	5.3	4.6	5.2	4.8	6.0	4.6	5.0	5.0	4.6	5.1	6.9	5.6
* TIFFANY	5.5	4.9	6.2	5.1	4.8	7.2	6.5	5.7	6.7	7.4	7.1	5.4	6.1	5.1	5.6	4.6	4.6	6.8	5.8	3.3	5.6	4.7	5.5	4.4	5.3	5.3	5.6	5.9	6.9	5.6
BAR HF 8 FUS	6.7	5.2	5.3	4.7	4.8	6.9	6.9	4.6	7.6	7.4	7.1	5.6	5.8	4.9	4.8	5.3	5.0	5.9	5.4	2.7	6.8	4.5	7.2	4.8	5.6	5.4	4.2	5.7	6.5	5.6
PICK FRC 4-92	4.9	4.6	5.8	4.9	5.7	6.9	6.6	5.3	6.3	7.8	7.2	5.8	6.0	6.0	5.8	4.4	4.8	7.2	5.5	3.1	5.5	4.7	5.5	4.8	5.2	4.5	5.7	6.0	6.6	5.6
ACF 092	5.1	4.8	5.8	5.1	5.2	8.0	6.3	4.8	7.1	7.0	6.8	6.1	6.2	4.7	5.2	4.3	5.2	6.6	5.2	3.4	6.3	4.7	5.8	4.8	5.4	4.9	5.3	6.1	6.7	5.6
BAR CHF 8 FUS2	5.4	4.3	6.2	4.8	5.4	7.5	6.2	5.2	6.6	7.4	7.4	6.0	6.1	5.9	5.1	3.4	5.4	6.9	5.3	2.9	5.7	4.5	6.1	4.5	5.7	4.8	5.3	5.9	6.8	5.6
* SR 5100	5.1	4.9	5.7	4.9	5.2	7.6	6.5	5.2	6.7	7.1	6.9	6.1	6.2	5.6	5.2	4.7	5.1	6.8	5.5	2.8	6.2	4.8	5.5	4.8	4.5	4.8	5.4	5.8	6.7	5.6
* BRITTANY	4.9	4.2	6.0	5.0	5.2	7.6	7.0	4.6	6.5	7.2	7.3	5.4	6.0	5.9	5.8	4.2	4.9	7.2	5.4	3.4	5.6	4.8	5.6	4.6	4.6	5.0	5.8	6.1	6.6	5.6
* NORDIC (E)	6.1	5.9	5.5	4.8	4.9	6.3	6.5	4.0	7.3	7.4	7.2	5.6	5.7	5.1	5.2	5.4	5.4	6.7	5.3	2.2	7.1	4.6	6.6	4.7	5.3	5.4	4.0	5.5	6.6	5.6
* BRIDGEPORT	4.7	5.0	5.8	5.0	4.6	7.0	6.4	5.6	6.4	6.8	7.0	6.0	6.0	5.8	5.4	4.6	4.6	6.8	5.4	3.9	6.1	4.8	5.5	5.0	5.1	4.8	5.3	5.5	7.0	5.6
ABT-CHW-1	4.5	5.1	5.8	4.9	4.9	7.4	6.5	5.4	7.3	7.3	7.4	5.8	6.1	5.2	5.7	4.0	5.3	7.2	5.3	2.8	5.7	4.4	5.7	5.2	4.4	4.2	5.6	5.7	6.9	5.6
BAR CF 8 FUS1	5.6	4.4	6.1	4.9	5.5	7.5	7.1	4.6	6.4	7.2	7.4	6.4	5.7	5.5	5.5	5.1	5.0	6.2	5.8	4.4	5.2	4.7	5.1	4.3	4.9	4.6	4.9	5.2	6.5	5.6
ABT-HF-2	6.1	5.7	4.9	4.8	4.5	5.8	6.6	4.4	7.3	7.4	7.2	6.0	5.5	4.9	4.4	6.0	5.5	6.4	5.3	2.6	6.8	4.5	7.2	4.8	5.4	6.0	3.8	5.6	6.0	5.6
MB-63	5.0	5.1	5.4	5.5	5.0	8.0	6.6	4.8	6.6	7.6	6.9	5.6	6.3	6.0	6.0	4.1	5.0	6.3	4.7	3.4	5.6	4.8	5.8	4.6	5.4	4.5	5.3	5.4	6.3	5.6
* MAGIC	4.8	4.4	5.5	4.7	5.3	7.3	6.5	5.7	6.6	7.4	7.2	5.7	6.5	5.5	5.3	4.6	4.8	7.1	5.1	3.4	5.3	4.7	5.8	4.4	5.0	4.5	5.6	5.5	6.7	5.6
BAR SCF 8 FUS3	5.7	5.4	6.2	4.8	5.4	6.8	7.0	3.8	7.1	7.1	6.2	6.5	4.8	5.5	5.4	4.9	5.3	6.2	5.8	3.2	6.2	4.1	4.5	5.0	5.8	5.0	4.2	6.2	6.8	5.5
ACF 083	5.9	4.9	5.9	5.0	4.7	7.1	6.3	4.8	6.6	7.1	7.2	5.7	5.0	5.7	5.4	4.4	4.8	7.1	5.6	3.5	5.8	4.7	5.8	4.3	5.2	4.8	5.1	5.7	6.6	5.5
ISI FL 12	6.2	4.6	4.9	4.7	5.3	6.6	7.0	4.1	7.7	7.7	7.5	6.2	5.2	5.0	4.1	4.8	5.0	6.6	5.4	2.8	6.6	4.5	6.6	4.6	4.7	5.7	3.8	5.5	6.1	5.5
ISI FL 11	6.7	4.6	5.2	4.8	4.3	6.7	6.7	3.9	7.7	7.9	7.2	6.0	5.2	4.7	4.7	5.1	5.2	6.6	5.1	3.1	6.8	4.5	6.7	4.8	4.6	5.1	4.4	5.1	6.1	5.5
* BANNER III	4.5	5.1	5.9	4.8	5.3	7.0	6.5	5.7	6.7	7.7	7.4	5.1	5.6	5.5	5.7	4.3	4.6	6.8	5.5	2.7	5.6	4.5	5.5	4.6	5.4	4.3	5.3	5.4	6.0	5.5
AHF 009	5.9	5.1	5.9	4.9	4.5	6.4	6.8	5.1	7.5	7.3	7.3	6.3	4.9	4.9	3.7	4.6	5.0	7.3	5.0	2.8	6.5	4.5	5.9	4.3	4.8	5.9	3.9	5.5	6.4	5.5

TABLE 1A. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
* SALSA	5.3	5.6	6.5	5.6	5.3	7.6	6.1	5.6	6.1	6.7	7.1	6.0	4.0	6.0	4.5	4.6	4.3	6.9	5.2	3.6	4.8	4.6	4.7	4.7	5.1	4.6	5.3	5.1	7.4	5.5
ASR 049	5.9	5.8	6.7	5.0	5.2	6.6	4.9	5.0	7.1	7.0	6.2	6.6	4.4	5.7	4.9	4.0	5.5	6.2	5.8	3.0	5.8	4.5	4.2	5.0	5.2	4.8	4.1	6.0	7.2	5.5
PST-47TCR	5.3	4.6	6.1	5.0	4.7	7.7	7.3	4.3	6.7	7.2	7.3	5.8	5.8	5.7	5.0	5.4	4.9	6.3	5.8	4.0	5.1	4.6	4.2	4.1	4.5	4.7	4.5	5.4	6.0	5.4
ABT-HF-4	6.0	5.0	5.8	4.8	4.8	6.9	6.2	4.3	7.5	7.3	7.1	6.3	4.8	5.0	3.9	5.9	5.3	6.6	5.3	2.4	6.8	4.4	4.8	5.3	4.6	5.1	3.7	5.6	6.4	5.4
PST-4MB	5.7	6.2	5.9	4.9	4.2	7.0	6.6	4.4	7.3	7.4	7.6	6.0	5.6	4.8	4.2	5.8	4.5	6.0	5.2	2.6	6.9	4.4	5.1	4.5	4.3	4.9	3.8	5.0	6.5	5.4
* DISCOVERY	6.1	5.2	5.1	4.6	4.7	6.4	6.7	3.8	7.5	7.1	6.9	5.8	5.3	4.7	4.6	5.0	5.5	6.6	5.1	2.3	7.0	4.5	5.9	4.6	5.3	5.4	3.8	5.6	6.0	5.4
* RELIANT II	5.5	4.9	5.1	5.0	4.6	6.0	6.6	3.9	7.4	7.7	7.1	6.1	4.7	5.0	4.1	5.6	5.3	6.7	5.2	2.7	6.4	4.4	5.8	5.3	5.1	5.5	2.9	5.7	6.6	5.4
PST-4HM	6.3	6.1	5.5	4.9	4.4	6.9	6.3	3.8	6.7	7.2	7.1	6.3	5.1	4.5	4.1	4.9	5.2	6.5	5.2	2.6	7.0	4.5	6.1	5.1	4.7	5.0	3.2	5.3	6.4	5.4
* SANDPIPER	4.9	5.0	5.6	5.0	4.0	7.4	6.0	6.0	6.1	6.9	6.8	4.8	5.2	6.5	5.1	3.9	4.6	7.2	4.3	3.0	5.1	4.7	5.6	4.9	5.1	4.9	5.3	5.4	6.9	5.4
DGSC 94	5.1	4.7	5.8	5.6	4.9	7.2	7.3	4.8	6.5	7.1	6.9	5.9	5.7	5.8	4.9	4.6	4.7	6.2	5.2	4.2	4.9	4.7	4.5	4.3	4.6	4.3	4.7	5.0	6.3	5.4
* SEABREEZE	5.1	5.8	6.2	5.1	4.7	6.3	6.2	4.5	6.1	6.8	6.6	6.2	6.1	5.8	5.0	3.6	4.9	6.6	5.1	3.0	5.1	4.6	4.0	4.7	5.9	5.0	4.9	5.7	6.8	5.4
* OSPREY	6.3	5.1	4.3	4.9	4.8	6.4	6.6	5.1	7.3	6.6	6.4	6.1	5.3	4.6	3.9	4.7	5.5	6.6	5.0	2.0	6.8	4.5	5.6	4.5	5.6	5.7	3.9	5.8	6.2	5.4
PICK FF A-97	5.9	5.0	5.2	4.4	5.0	6.6	6.2	4.0	7.2	6.9	7.5	6.1	5.5	5.0	4.5	5.0	4.4	6.3	5.3	2.5	6.8	4.4	6.0	4.6	5.0	5.6	3.9	5.2	6.1	5.4
ABT-HF-3	5.7	5.7	5.6	4.4	4.4	6.2	6.5	4.2	7.3	7.2	7.2	6.3	5.0	5.0	4.5	5.9	5.0	7.0	5.1	2.4	6.9	4.4	3.3	4.9	4.4	5.3	3.7	5.4	5.8	5.3
* ATTILA E	6.1	5.2	5.3	4.6	3.9	6.7	5.9	4.5	7.3	7.0	7.0	6.1	4.5	5.2	3.8	4.9	4.5	6.7	5.3	2.9	6.4	4.3	5.2	4.7	5.7	5.5	3.8	5.4	6.5	5.3
* SCALDIS	5.9	5.4	5.4	4.5	4.4	6.2	6.1	4.1	7.2	7.3	7.1	5.8	4.8	5.1	3.6	4.3	4.3	6.5	5.2	2.6	6.9	4.6	6.4	5.0	5.6	5.6	3.6	5.0	6.0	5.3
* JAMESTOWN II	4.1	4.7	5.6	5.3	4.7	7.4	5.6	5.2	5.8	7.1	6.9	5.2	7.0	5.5	5.0	3.3	4.1	6.7	5.1	2.9	5.2	4.8	5.3	4.9	5.1	3.9	5.3	5.4	7.1	5.3
* HERON	6.2	5.6	5.5	4.6	4.7	6.6	6.2	4.0	7.0	7.1	7.4	5.9	5.1	4.8	4.1	4.5	4.6	6.3	5.3	2.6	7.0	4.4	4.5	5.3	5.4	4.8	2.8	5.4	6.2	5.3
SRX 52LAV	5.1	5.0	5.8	5.4	5.0	7.7	6.5	4.7	6.8	6.6	6.5	6.6	5.7	4.8	4.9	4.3	4.1	5.9	5.8	3.1	4.7	4.7	6.1	3.7	4.9	4.3	3.9	4.7	6.3	5.3
* RESCUE 911	6.1	5.7	5.2	4.3	4.9	6.4	6.5	3.1	7.3	7.2	6.7	6.3	4.9	4.5	4.4	5.6	4.4	6.6	5.2	2.3	6.7	4.5	6.0	4.6	5.0	5.5	3.3	5.1	5.5	5.3
MB-82	5.3	5.1	5.3	4.4	4.5	6.0	6.3	4.9	7.2	7.7	7.0	6.3	4.9	4.3	4.2	4.0	4.8	6.2	5.3	2.0	6.4	4.4	6.8	4.8	4.9	5.0	3.8	5.5	6.0	5.3
SCALDIS II (AHF 008)	6.1	4.9	5.2	4.5	4.6	6.3	6.5	4.3	7.5	7.4	6.8	6.0	4.7	4.3	4.1	3.6	4.4	6.5	5.2	2.8	6.8	4.5	3.6	4.5	6.4	5.3	4.0	5.4	6.4	5.3
* MINOTAUR	6.1	4.9	5.4	4.6	4.5	6.1	6.3	4.6	7.2	7.2	7.3	6.3	5.0	4.8	4.6	6.2	4.8	6.7	4.9	2.5	7.0	4.5	2.8	4.7	3.8	5.1	3.6	5.1	5.8	5.3
* DEFIANT	5.8	4.5	5.3	4.3	4.6	6.8	6.5	3.6	7.3	6.9	6.9	6.1	4.8	5.1	3.5	4.8	4.9	6.2	4.8	2.6	6.4	4.4	6.0	4.7	4.9	5.4	4.3	5.3	5.7	5.3
ASC 082	5.3	4.7	5.7	4.6	4.7	7.4	6.8	4.4	6.5	6.8	6.8	5.8	5.5	4.7	5.2	5.5	4.3	6.0	5.8	3.7	4.9	4.5	5.7	3.8	4.3	4.9	3.1	4.7	5.8	5.2
ASC 087	4.8	4.6	6.0	4.5	4.3	7.4	6.6	4.5	6.4	6.8	6.9	6.1	4.7	5.4	4.2	4.1	4.6	6.2	5.3	4.1	5.1	4.4	4.2	4.0	4.8	4.3	4.6	5.0	6.2	5.2
* SHADEMARK	4.3	4.6	5.2	4.5	4.3	7.5	6.4	4.5	6.2	6.6	6.4	5.8	5.7	5.9	5.1	4.2	4.5	6.2	4.8	4.0	4.7	4.5	5.2	4.1	4.4	4.5	3.7	4.8	6.2	5.1
* DAWSON E+	4.1	5.6	5.6	5.1	5.1	5.9	4.2	4.4	6.5	6.3	5.7	6.0	4.5	5.9	4.4	3.2	4.7	6.7	4.8	3.0	6.0	4.5	4.0	4.7	5.3	4.2	3.9	5.7	6.7	5.1
* BIGHORN	5.3	5.9	5.6	5.0	4.2	6.2	6.2	4.0	7.1	6.6	7.0	5.8	4.8	4.3	3.8	4.5	4.4	6.5	4.8	2.5	6.3	4.5	3.8	4.4	4.6	4.9	3.5	4.5	5.6	5.1
* QUATRO	5.3	4.9	5.2	4.2	4.3	6.1	4.0	4.0	6.3	6.9	6.6	5.3	5.8	4.9	4.4	4.0	4.6	6.9	5.5	2.6	5.1	4.4	6.2	4.8	4.2	4.8	3.8	5.1	6.2	5.0
* SR 3200	4.9	5.4	5.6	4.6	3.9	6.7	5.5	4.3	6.2	6.9	6.6	5.4	4.8	4.7	4.1	3.9	3.7	6.5	5.4	2.6	6.2	4.5	3.6	4.1	4.5	4.3	3.8	4.4	5.8	4.9
ASC 172	4.1	4.3	5.5	3.8	3.9	5.0	6.8	3.8	6.2	7.2	6.2	4.7	5.8	4.8	4.6	5.0	3.5	5.0	5.3	3.2	4.3	4.1	3.8	3.3	3.7	3.8	3.6	3.7	5.6	4.6
* BOREAL	3.7	4.4	5.6	5.0	4.4	5.4	5.2	3.9	5.1	6.2	5.8	5.5	5.2	6.1	4.8	2.2	2.9	6.2	5.3	3.0	3.8	4.4	3.1	3.5	4.6	3.7	2.6	4.8	6.3	4.6
* COMMON CREEPING RED	3.8	4.4	5.3	5.2	3.8	5.7	5.1	3.7	5.3	5.7	5.8	5.6	4.4	5.7	4.5	2.8	2.8	6.0	5.0	3.0	4.1	4.5	2.4	3.9	4.3	3.9	3.1	4.7	6.6	4.5
* SR 6000	4.0	4.4	4.1	3.7	3.4	4.7	3.6	2.2	5.8	4.5	4.6	3.2	5.8	5.8	3.1	3.3	3.7	6.2	4.8	2.8	2.9	3.8	1.2	3.5	2.8	2.7	3.5	4.9	5.7	3.9
LSL VALUE	0.8	0.3	1.1	0.6	0.8	1.0	0.5	0.9	0.5	0.9	0.9	0.7	1.2	0.8	1.1	1.0	0.6	0.9	0.7	0.7	0.6	0.3	1.0	0.8	1.1	0.8	0.9	0.5	0.7	0.2
C.V. (%)	9.0	3.3	12.0	8.1	9.8	9.1	5.1	11.2	4.7	7.9	7.6	7.8	13.6	9.7	14.5	12.5	7.5	12.1	8.1	13.9	6.2	4.1	11.7	10.9	13.8	10.5	12.8	5.5	6.8	9.8

* COMMERCIALY AVAILABLE IN THE USA IN 2000.

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

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

TABLE 1B.

MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
LONGFELLOW II	5.3	4.4	6.4	5.2	5.8	7.9	7.5	6.2	7.4	7.9	7.6	5.9	6.7	6.3	5.7	6.4	5.9	7.2	5.0	4.3	6.7	4.8	6.1	5.1	5.9	4.9	5.8	6.2	6.9	6.1
AMBASSADOR	5.7	4.9	5.9	4.8	5.5	7.7	7.7	6.2	7.6	7.4	7.4	5.8	6.4	5.9	5.6	5.8	5.7	6.5	5.6	3.6	6.3	4.5	5.8	5.3	4.6	4.8	5.9	6.3	6.6	5.9
ABT-CHW-3	4.8	5.1	6.2	5.1	5.5	7.8	7.5	6.0	6.8	7.6	7.8	5.7	6.4	5.7	4.6	5.8	5.4	7.2	5.2	3.0	6.8	4.6	5.9	5.6	4.9	5.3	5.8	6.4	7.1	5.9
ABT-CHW-2	5.2	5.4	6.2	4.8	4.9	7.5	7.5	5.5	7.1	7.8	6.9	6.1	6.6	5.7	4.6	6.4	5.9	7.1	5.5	4.0	6.2	4.6	5.9	5.6	5.3	4.5	6.1	6.1	6.5	5.9
INTRIGUE	4.9	4.9	6.4	5.0	5.3	7.7	7.8	6.0	7.4	7.6	7.2	6.3	5.5	5.1	4.9	6.1	5.4	7.1	5.8	3.0	6.8	4.8	6.3	4.6	5.8	4.2	5.7	6.6	6.7	5.9
TREASURE (E)	5.3	4.9	5.8	5.2	4.7	7.8	6.9	6.0	7.0	7.4	7.0	6.2	6.3	6.0	5.2	5.9	5.6	7.3	5.3	3.4	7.1	4.6	5.6	4.4	5.0	4.9	5.5	5.8	6.9	5.8
CULOMBRA	4.5	5.7	6.2	5.5	5.7	7.7	6.7	5.8	6.3	7.1	7.3	5.9	6.5	6.4	5.3	4.2	5.0	7.4	5.1	3.5	5.6	4.9	6.2	4.8	5.7	5.2	5.8	5.7	6.7	5.8
PICK FRC A-93	5.5	4.6	5.5	5.0	5.1	7.4	7.8	5.4	6.9	7.3	7.4	6.1	6.2	5.8	5.0	5.0	4.8	6.8	5.4	3.3	6.1	4.7	6.0	5.2	5.3	4.9	6.2	5.8	6.8	5.8
SHADOW II	5.2	5.1	6.3	4.5	5.0	6.7	7.1	6.1	6.9	7.4	6.6	5.6	6.4	5.3	4.9	5.6	5.5	7.1	5.5	2.9	6.0	4.6	6.0	5.1	5.4	5.1	5.2	6.5	6.7	5.7
TIFFANY	5.5	4.9	6.2	5.1	4.8	7.2	6.5	5.7	6.7	7.4	7.1	5.4	6.1	5.1	5.6	4.6	4.6	6.8	5.8	3.3	5.6	4.7	5.5	4.4	5.3	5.3	5.6	5.9	6.9	5.6
PICK FRC 4-92	4.9	4.6	5.8	4.9	5.7	6.9	6.6	5.3	6.3	7.8	7.2	5.8	6.0	6.0	5.8	4.4	4.8	7.2	5.5	3.1	5.5	4.7	5.5	4.8	5.2	4.5	5.7	6.0	6.6	5.6
ACF 092	5.1	4.8	5.8	5.1	5.2	8.0	6.3	4.8	7.1	7.0	6.8	6.1	6.2	4.7	5.2	4.3	5.2	6.6	5.2	3.4	6.3	4.7	5.8	4.8	5.4	4.9	5.3	6.1	6.7	5.6
BAR CHF 8 FUS2	5.4	4.3	6.2	4.8	5.4	7.5	6.2	5.2	6.6	7.4	7.4	6.0	6.1	5.9	5.1	3.4	5.4	6.9	5.3	2.9	5.7	4.5	6.1	4.5	5.7	4.8	5.3	5.9	6.8	5.6
SR 5100	5.1	4.9	5.7	4.9	5.2	7.6	6.5	5.2	6.7	7.1	6.9	6.1	6.2	5.6	5.2	4.7	5.1	6.8	5.5	2.8	6.2	4.8	5.5	4.8	4.5	4.8	5.4	5.8	6.7	5.6
BRITTANY	4.9	4.2	6.0	5.0	5.2	7.6	7.0	4.6	6.5	7.2	7.3	5.4	6.0	5.9	5.8	4.2	4.9	7.2	5.4	3.4	5.6	4.8	5.6	4.6	4.6	5.0	5.8	6.1	6.6	5.6
BRIDGEPORT	4.7	5.0	5.8	5.0	4.6	7.0	6.4	5.6	6.4	6.8	7.0	6.0	6.0	5.8	5.4	4.6	4.6	6.8	5.4	3.9	6.1	4.8	5.5	5.0	5.1	4.8	5.3	5.5	7.0	5.6
ABT-CHW-1	4.5	5.1	5.8	4.9	4.9	7.4	6.5	5.4	7.3	7.3	7.4	5.8	6.1	5.2	5.7	4.0	5.3	7.2	5.3	2.8	5.7	4.4	5.7	5.2	4.4	4.2	5.6	5.7	6.9	5.6
MB-63	5.0	5.1	5.4	5.5	5.0	8.0	6.6	4.8	6.6	7.6	6.9	5.6	6.3	6.0	6.0	4.1	5.0	6.3	4.7	3.4	5.6	4.8	5.8	4.6	5.4	4.5	5.3	5.4	6.3	5.6
MAGIC	4.8	4.4	5.5	4.7	5.3	7.3	6.5	5.7	6.6	7.4	7.2	5.7	6.5	5.5	5.3	4.6	4.8	7.1	5.1	3.4	5.3	4.7	5.8	4.4	5.0	4.5	5.6	5.5	6.7	5.6
ACF 083	5.9	4.9	5.9	5.0	4.7	7.1	6.3	4.8	6.6	7.1	7.2	5.7	5.0	5.7	5.4	4.4	4.8	7.1	5.6	3.5	5.8	4.7	5.8	4.3	5.2	4.8	5.1	5.7	6.6	5.5
BANNER III	4.5	5.1	5.9	4.8	5.3	7.0	6.5	5.7	6.7	7.7	7.4	5.1	5.6	5.5	5.7	4.3	4.6	6.8	5.5	2.7	5.6	4.5	5.5	4.6	5.4	4.3	5.3	5.4	6.0	5.5
PST-4HM	6.3	6.1	5.5	4.9	4.4	6.9	6.3	3.8	6.7	7.2	7.1	6.3	5.1	4.5	4.1	4.9	5.2	6.5	5.2	2.6	7.0	4.5	6.1	5.1	4.7	5.0	3.2	5.3	6.4	5.4
SANDPIPER	4.9	5.0	5.6	5.0	4.0	7.4	6.0	6.0	6.1	6.9	6.8	4.8	5.2	6.5	5.1	3.9	4.6	7.2	4.3	3.0	5.1	4.7	5.6	4.9	5.1	4.9	5.3	5.4	6.9	5.4
JAMESTOWN II	4.1	4.7	5.6	5.3	4.7	7.4	5.6	5.2	5.8	7.1	6.9	5.2	7.0	5.5	5.0	3.3	4.1	6.7	5.1	2.9	5.2	4.8	5.3	4.9	5.1	3.9	5.3	5.4	7.1	5.3
LSD VALUE	0.8	0.3	0.8	0.7	0.8	0.7	0.5	0.9	0.6	0.6	0.7	0.8	1.3	0.8	1.2	1.1	0.7	0.9	0.8	0.8	0.6	0.4	0.8	0.9	1.1	0.9	1.0	0.5	0.8	0.2
C.V. (%)	9.7	3.4	8.6	8.1	9.8	6.2	4.8	9.8	5.5	5.2	6.4	8.4	13.7	9.0	14.3	13.7	8.3	11.0	8.9	14.6	6.6	4.9	9.1	12.1	13.0	11.8	10.8	4.9	7.3	9.4

TABLE 1C.

MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
BAR SCF 8 FUS3	5.7	5.4	6.2	4.8	5.4	6.8	7.0	3.8	7.1	7.1	6.2	6.5	4.8	5.5	5.4	4.9	5.3	6.2	5.8	3.2	6.2	4.1	4.5	5.0	5.8	5.0	4.2	6.2	6.8	5.5
ASR 049	5.9	5.8	6.7	5.0	5.2	6.6	4.9	5.0	7.1	7.0	6.2	6.6	4.4	5.7	4.9	4.0	5.5	6.2	5.8	3.0	5.8	4.5	4.2	5.0	5.2	4.8	4.1	6.0	7.2	5.5
SEABREEZE	5.1	5.8	6.2	5.1	4.7	6.3	6.2	4.5	6.1	6.8	6.6	6.2	6.1	5.8	5.0	3.6	4.9	6.6	5.1	3.0	5.1	4.6	4.0	4.7	5.9	5.0	4.9	5.7	6.8	5.4
DAWSON E+	4.1	5.6	5.6	5.1	5.1	5.9	4.2	4.4	6.5	6.3	5.7	6.0	4.5	5.9	4.4	3.2	4.7	6.7	4.8	3.0	6.0	4.5	4.0	4.7	5.3	4.2	3.9	5.7	6.7	5.1
LSD VALUE	0.8	0.3	0.9	0.8	0.5	1.0	0.8	0.8	0.4	0.8	0.7	1.1	1.9	1.0	0.7	0.9	0.3	0.8	0.8	0.5	0.6	0.5	1.5	0.7	0.9	0.8	0.5	0.5	0.4	0.2
C.V. (%)	9.7	2.8	8.7	10.5	6.3	9.5	8.5	12.0	3.7	6.9	7.4	10.3	23.3	11.3	9.1	14.0	3.1	10.6	9.3	10.9	6.7	6.7	21.9	8.5	10.1	9.8	6.8	5.4	3.9	9.9

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

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

TABLE 1D.

MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
JASPER II	5.9	5.5	6.4	5.6	5.4	7.9	7.7	5.6	7.4	7.2	7.2	6.4	6.4	5.1	5.7	6.6	5.7	6.8	6.2	4.3	6.6	4.6	6.3	4.6	5.6	5.3	5.0	5.6	7.2	6.1
SRX 52961	5.5	5.2	6.8	5.4	5.8	7.7	7.1	5.0	7.4	7.2	7.3	6.3	6.0	5.7	4.9	6.1	5.7	6.7	5.8	4.0	5.7	4.7	6.1	4.5	4.8	4.7	4.6	5.4	6.9	5.8
ABT-CR-2	6.0	5.4	6.7	5.2	5.5	8.1	7.5	5.2	7.0	7.3	6.8	5.8	6.6	5.1	5.1	6.5	5.4	6.3	5.8	3.6	5.6	4.6	5.6	4.4	4.5	4.9	4.9	5.6	6.6	5.8
ABT-CR-3	5.6	5.3	6.7	4.7	5.9	7.3	7.8	4.9	6.8	7.7	7.3	5.6	6.2	5.2	5.3	6.5	5.2	6.5	5.8	3.6	6.1	4.7	5.8	4.6	4.5	4.7	5.1	5.3	6.9	5.8
PST-EFL	5.7	4.6	6.6	5.2	5.6	7.9	7.3	5.0	6.8	7.1	7.2	6.1	6.5	5.8	4.7	5.9	5.1	6.9	5.1	4.0	5.8	4.5	5.8	4.5	4.6	5.1	4.4	5.3	6.7	5.7
ISI FRR 7	5.4	4.4	6.5	5.2	4.8	7.8	7.3	5.7	6.9	7.3	7.2	6.0	6.0	6.0	5.4	5.9	5.5	6.4	5.9	4.4	5.3	4.6	5.8	4.4	4.2	4.3	5.2	5.3	6.5	5.7
ISI FRR 5	5.5	4.4	6.1	5.2	5.2	8.3	7.1	5.0	7.1	7.1	7.1	6.2	6.3	5.5	5.5	6.0	4.7	6.2	5.3	4.5	6.2	4.6	5.8	4.7	5.1	4.5	4.1	5.3	6.8	5.7
PST-4FR	5.6	4.5	5.9	5.0	5.8	8.0	7.4	5.4	7.3	7.3	7.7	6.1	6.6	5.3	5.1	5.5	4.7	6.3	5.3	3.3	5.9	4.5	6.5	4.4	4.7	4.7	4.1	5.8	6.6	5.7
FLORENTINE	5.6	4.7	6.3	4.9	5.2	7.8	7.5	4.5	7.0	7.4	7.4	5.8	6.0	5.6	5.3	5.4	5.3	6.5	5.5	3.6	5.7	4.5	5.8	4.5	5.2	4.4	5.0	5.5	6.3	5.7
PATHFINDER	5.7	4.4	5.8	5.0	4.9	7.7	7.5	5.0	6.5	6.8	7.3	6.2	6.3	6.0	5.4	5.9	5.0	6.4	5.4	4.1	5.1	4.6	5.3	4.8	4.7	4.5	5.2	5.4	6.9	5.7
SHADEMASTER II	5.3	4.9	6.0	5.1	4.6	7.6	7.0	4.5	6.8	7.1	7.1	5.9	7.0	5.9	5.6	5.3	4.6	6.4	5.3	4.6	5.2	4.8	6.0	4.6	5.0	5.0	4.6	5.1	6.9	5.6
BAR CF 8 FUS1	5.6	4.4	6.1	4.9	5.5	7.5	7.1	4.6	6.4	7.2	7.4	6.4	5.7	5.5	5.5	5.1	5.0	6.2	5.8	4.4	5.2	4.7	5.1	4.3	4.9	4.6	4.9	5.2	6.5	5.6
SALSA	5.3	5.6	6.5	5.6	5.3	7.6	6.1	5.6	6.1	6.7	7.1	6.0	4.0	6.0	4.5	4.6	4.3	6.9	5.2	3.6	4.8	4.6	4.7	4.7	5.1	4.6	5.3	5.1	7.4	5.5
PST-47TCR	5.3	4.6	6.1	5.0	4.7	7.7	7.3	4.3	6.7	7.2	7.3	5.8	5.8	5.7	5.0	5.4	4.9	6.3	5.8	4.0	5.1	4.6	4.2	4.1	4.5	4.7	4.5	5.4	6.0	5.4
DGSC 94	5.1	4.7	5.8	5.6	4.9	7.2	7.3	4.8	6.5	7.1	6.9	5.9	5.7	5.8	4.9	4.6	4.7	6.2	5.2	4.2	4.9	4.7	4.5	4.3	4.6	4.3	4.7	5.0	6.3	5.4
SRX 52LAV	5.1	5.0	5.8	5.4	5.0	7.7	6.5	4.7	6.8	6.6	6.5	6.6	5.7	4.8	4.9	4.3	4.1	5.9	5.8	3.1	4.7	4.7	6.1	3.7	4.9	4.3	3.9	4.7	6.3	5.3
ASC 082	5.3	4.7	5.7	4.6	4.7	7.4	6.8	4.4	6.5	6.8	6.8	5.8	5.5	4.7	5.2	5.5	4.3	6.0	5.8	3.7	4.9	4.5	5.7	3.8	4.3	4.9	3.1	4.7	5.8	5.2
ASC 087	4.8	4.6	6.0	4.5	4.3	7.4	6.6	4.5	6.4	6.8	6.9	6.1	4.7	5.4	4.2	4.1	4.6	6.2	5.3	4.1	5.1	4.4	4.2	4.0	4.8	4.3	4.6	5.0	6.2	5.2
SHADEMARK	4.3	4.6	5.2	4.5	4.3	7.5	6.4	4.5	6.2	6.6	6.4	5.8	5.7	5.9	5.1	4.2	4.5	6.2	4.8	4.0	4.7	4.5	5.2	4.1	4.4	4.5	3.7	4.8	6.2	5.1
ASC 172	4.1	4.3	5.5	3.8	3.9	5.0	6.8	3.8	6.2	7.2	6.2	4.7	5.8	4.8	4.6	5.0	3.5	5.0	5.3	3.2	4.3	4.1	3.8	3.3	3.7	3.8	3.6	3.7	5.6	4.6
BOREAL	3.7	4.4	5.6	5.0	4.4	5.4	5.2	3.9	5.1	6.2	5.8	5.5	5.2	6.1	4.8	2.2	2.9	6.2	5.3	3.0	3.8	4.4	3.1	3.5	4.6	3.7	2.6	4.8	6.3	4.6
COMMON CREEPING RED	3.8	4.4	5.3	5.2	3.8	5.7	5.1	3.7	5.3	5.7	5.8	5.6	4.4	5.7	4.5	2.8	2.8	6.0	5.0	3.0	4.1	4.5	2.4	3.9	4.3	3.9	3.1	4.7	6.6	4.5
LSD VALUE	0.7	0.2	1.0	0.5	0.8	0.9	0.5	0.9	0.4	0.7	0.6	0.7	1.2	0.9	0.6	0.8	0.5	1.0	0.7	0.7	0.6	0.3	1.0	0.7	1.1	0.6	1.0	0.6	0.7	0.2
C.V. (%)	8.4	3.0	10.1	6.6	9.8	7.5	4.7	11.6	3.7	6.3	5.7	7.5	12.6	10.3	7.9	10.0	7.0	14.4	8.0	12.1	7.2	3.9	12.6	10.9	14.8	8.9	14.4	6.8	6.2	9.6

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

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

TABLE 1E.

MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
4001	6.5	5.7	6.1	4.9	4.9	7.0	7.1	4.8	8.1	7.7	8.0	6.1	5.3	4.9	4.1	6.7	6.0	6.6	5.3	2.5	7.5	4.6	7.4	5.0	6.1	6.2	4.3	6.2	6.6	5.9
ABT-HF1	6.3	5.9	6.1	4.8	4.8	6.5	7.3	5.0	7.9	7.5	7.2	6.2	4.6	4.9	4.8	6.3	6.2	6.6	5.0	2.4	7.4	4.5	6.7	5.1	6.0	6.2	3.8	6.1	6.0	5.8
OXFORD	6.8	5.9	5.9	4.9	5.0	6.7	7.1	4.2	7.7	7.4	7.7	5.8	5.5	4.7	4.8	5.7	5.6	6.9	5.3	2.9	6.7	4.4	6.0	5.3	5.0	5.8	4.6	6.1	6.2	5.8
SRX 3961	6.4	5.1	5.8	4.4	5.0	6.4	7.3	4.5	7.3	7.0	7.2	6.4	5.3	4.7	4.6	6.4	6.4	6.6	5.1	2.6	7.3	4.5	6.9	5.3	5.3	5.6	3.8	5.8	6.2	5.7
BAR HF 8 FUS	6.7	5.2	5.3	4.7	4.8	6.9	6.9	4.6	7.6	7.4	7.1	5.6	5.8	4.9	4.8	5.3	5.0	5.9	5.4	2.7	6.8	4.5	7.2	4.8	5.6	5.4	4.2	5.7	6.5	5.6
NORDIC (E)	6.1	5.9	5.5	4.8	4.9	6.3	6.5	4.0	7.3	7.4	7.2	5.6	5.7	5.1	5.2	5.4	5.4	6.7	5.3	2.2	7.1	4.6	6.6	4.7	5.3	5.4	4.0	5.5	6.6	5.6
ABT-HF-2	6.1	5.7	4.9	4.8	4.5	5.8	6.6	4.4	7.3	7.4	7.2	6.0	5.5	4.9	4.4	6.0	5.5	6.4	5.3	2.6	6.8	4.5	7.2	4.8	5.4	6.0	3.8	5.6	6.0	5.6
ISI FL 12	6.2	4.6	4.9	4.7	5.3	6.6	7.0	4.1	7.7	7.7	7.5	6.2	5.2	5.0	4.1	4.8	5.0	6.6	5.4	2.8	6.6	4.5	6.6	4.6	4.7	5.7	3.8	5.5	6.1	5.5
ISI FL 11	6.7	4.6	5.2	4.8	4.3	6.7	6.7	3.9	7.7	7.9	7.0	6.0	5.2	4.7	4.7	5.1	5.2	6.6	5.1	3.1	6.8	4.5	6.7	4.8	4.6	5.1	4.4	5.1	6.1	5.5
AHF 009	5.9	5.1	5.9	4.9	4.5	6.4	6.8	5.1	7.5	7.3	7.3	6.3	4.9	4.9	3.7	4.6	5.0	7.3	5.0	2.8	6.5	4.5	5.9	4.3	4.8	5.9	3.9	5.5	6.4	5.5
ABT-HF-4	6.0	5.0	5.8	4.8	4.8	6.9	6.2	4.3	7.5	7.3	7.1	6.3	4.8	5.0	3.9	5.9	5.3	6.6	5.3	2.4	6.8	4.4	4.8	5.3	4.6	5.1	3.7	5.6	6.4	5.4
DISCOVERY	6.1	5.2	5.1	4.6	4.7	6.4	6.7	3.8	7.5	7.1	6.9	5.8	5.3	4.7	4.6	5.0	5.5	6.6	5.1	2.3	7.0	4.5	5.9	4.6	5.3	5.4	3.8	5.6	6.0	5.4
RELIANT II	5.5	4.9	5.1	5.0	4.6	6.0	6.6	3.9	7.4	7.7	7.1	6.1	4.7	5.0	4.1	5.6	5.3	6.7	5.2	2.7	6.4	4.4	5.8	5.3	5.1	5.5	2.9	5.7	6.6	5.4
OSPREY	6.3	5.1	4.3	4.9	4.8	6.4	6.6	5.1	7.3	6.6	6.4	6.1	5.3	4.6	3.9	4.7	5.5	6.6	5.0	2.0	6.8	4.5	5.6	4.5	5.6	5.7	3.9	5.8	6.2	5.4
PICK FF A-97	5.9	5.0	5.2	4.4	5.0	6.6	6.2	4.0	7.2	6.9	7.5	6.1	5.5	5.0	4.5	5.0	4.4	6.3	5.3	2.5	6.8	4.4	6.0	4.6	5.0	5.6	3.9	5.2	6.1	5.4
ABT-HF-3	5.7	5.7	5.6	4.4	4.4	6.2	6.5	4.2	7.3	7.2	7.2	6.3	5.0	5.0	4.5	5.9	5.0	7.0	5.1	2.4	6.9	4.4	3.3	4.9	4.4	5.3	3.7	5.4	5.8	5.3
ATTILA E	6.1	5.2	5.3	4.6	3.9	6.7	5.9	4.5	7.3	7.0	7.0	6.1	4.5	5.2	3.8	4.9	4.5	6.7	5.3	2.9	6.4	4.3	5.2	4.7	5.7	5.5	3.8	5.4	6.5	5.3
SCALDIS	5.9	5.4	5.4	4.5	4.4	6.2	6.1	4.1	7.2	7.3	7.1	5.8	4.8	5.1	3.6	4.3	4.3	6.5	5.2	2.6	6.9	4.6	6.4	5.0	5.6	5.6	3.6	5.0	6.0	5.3
HERON	6.2	5.6	5.5	4.6	4.7	6.6	6.2	4.0	7.0	7.1	7.4	5.9	5.1	4.8	4.1	4.5	4.6	6.3	5.3	2.6	7.0	4.4	4.5	5.3	5.4	4.8	2.8	5.4	6.2	5.3
RESCUE 911	6.1	5.7	5.2	4.3	4.9	6.4	6.5	3.1	7.3	7.2	6.7	6.3	4.9	4.5	4.4	5.6	4.4	6.6	5.2	2.3	6.7	4.5	6.0	4.6	5.0	5.5	3.3	5.1	5.5	5.3
MB-82	5.3	5.1	5.3	4.4	4.5	6.0	6.3	4.9	7.2	7.7	7.0	6.3	4.9	4.3	4.2	4.0	4.8	6.2	5.3	2.0	6.4	4.4	6.8	4.8	4.9	5.0	3.8	5.5	6.0	5.3
SCALDIS II (AHF 008)	6.1	4.9	5.2	4.5	4.6	6.3	6.5	4.3	7.5	7.4	6.8	6.0	4.7	4.3	4.1	3.6	4.4	6.5	5.2	2.8	6.8	4.5	3.6	4.5	6.4	5.3	4.0	5.4	6.4	5.3
DEFIANT	5.8	4.5	5.3	4.3	4.6	6.8	6.5	3.6	7.3	6.9	6.9	6.1	4.8	5.1	3.5	4.8	4.9	6.2	4.8	2.6	6.4	4.4	6.0	4.7	4.9	5.4	4.3	5.3	5.7	5.3
BIGHORN	5.3	5.9	5.6	5.0	4.2	6.2	6.2	4.0	7.1	6.6	7.0	5.8	4.8	4.3	3.8	4.5	4.4	6.5	4.8	2.5	6.3	4.5	3.8	4.4	4.6	4.9	3.5	4.5	5.6	5.1
LSD VALUE	0.9	0.3	1.5	0.7	0.8	1.3	0.6	0.9	0.5	1.2	1.0	0.7	1.0	0.7	1.4	1.1	0.6	0.8	0.5	0.6	0.6	0.2	1.1	0.7	1.1	1.0	0.9	0.4	0.7	0.2
C.V. (%)	8.9	3.4	17.2	8.8	10.1	12.4	5.2	12.7	4.4	10.6	8.4	7.1	12.5	9.5	20.1	13.3	7.4	10.5	6.3	15.6	5.2	2.5	11.6	9.2	13.5	10.8	15.2	5.0	7.4	10.3

TABLE 1F.

MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
PST-4MB	5.7	6.2	5.9	4.9	4.2	7.0	6.6	4.4	7.3	7.4	7.6	6.0	5.6	4.8	4.2	5.8	4.5	6.0	5.2	2.6	6.9	4.4	5.1	4.5	4.3	4.9	3.8	5.0	6.5	5.4
MINOTAUR	6.1	4.9	5.4	4.6	4.5	6.1	6.3	4.6	7.2	7.2	7.3	6.3	5.0	4.8	4.6	6.2	4.8	6.7	4.9	2.5	7.0	4.5	2.8	4.7	3.8	5.1	3.6	5.1	5.8	5.3
QUATRO	5.3	4.9	5.2	4.2	4.3	6.1	4.0	4.0	6.3	6.9	6.6	5.3	5.8	4.9	4.4	4.0	4.6	6.9	5.5	2.6	5.1	4.4	6.2	4.8	4.2	4.8	3.8	5.1	6.2	5.0
SR 3200	4.9	5.4	5.6	4.6	3.9	6.7	5.5	4.3	6.2	6.9	6.6	5.4	4.8	4.7	4.1	3.9	3.7	6.5	5.4	2.6	6.2	4.5	3.6	4.1	4.5	4.3	3.8	4.4	5.8	4.9
SR 6000	4.0	4.4	4.1	3.7	3.4	4.7	3.6	2.2	5.8	4.5	4.6	3.2	5.8	5.8	3.1	3.3	3.7	6.2	4.8	2.8	2.9	3.8	1.2	3.5	2.8	2.7	3.5	4.9	5.7	3.9
LSD VALUE	0.5	0.2	0.9	0.6	0.7	1.2	0.4	0.6	0.7	1.1	1.5	0.5	1.1	0.7	1.2	0.8	0.5	1.1	0.8	0.6	0.5	0.2	0.9	0.9	1.2	0.6	0.6	0.4	0.6	0.2
C.V. (%)	6.3	3.0	10.4	8.2	10.7	12.6	5.2	10.0	6.8	10.7	14.6	6.0	12.4	8.5	18.8	11.4	7.8	14.6	10.2	13.8	5.2	3.3	14.0	13.5	18.3	8.5	9.4	4.9	6.5	11.2

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

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

TABLE 2A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
LONGFELLOW II	5.7	6.0	6.4	6.0	6.2	6.4	6.0	5.7	6.1	6.6	6.2	5.5	6.1
JASPER II	5.3	5.3	5.3	5.9	6.4	6.3	6.0	5.9	6.1	6.5	6.0	5.6	6.1
ABT-CHW-3	4.7	4.7	6.0	5.8	6.4	6.2	5.9	5.5	5.8	6.2	5.9	4.7	6.0
4001	4.3	4.3	4.5	5.4	5.9	6.3	6.1	5.9	6.0	6.2	5.9	5.3	6.0
ABT-CHW-2	4.7	4.7	6.1	5.6	6.2	6.3	5.8	5.6	5.7	6.3	5.8	5.1	6.0
AMBASSADOR	5.7	5.7	6.2	5.7	6.3	6.4	5.8	5.6	5.8	6.3	5.8	4.8	5.9
INTRIGUE	4.7	5.3	6.2	5.6	6.4	6.3	5.8	5.6	5.8	6.2	5.4	4.5	5.9
TREAZURE (E)	5.7	5.3	5.9	5.6	6.2	6.0	5.7	5.6	5.8	6.0	5.7	5.2	5.9
CULOMBRA	5.0	5.0	6.1	5.8	6.1	6.4	5.8	5.3	5.6	6.1	5.4	4.6	5.9
SRX 52961	5.0	5.0	5.3	5.5	5.8	6.1	5.7	5.6	5.9	6.3	5.7	5.3	5.9
ABT-HF1	4.3	4.3	4.8	5.2	6.1	6.0	5.8	5.8	5.9	6.1	5.8	5.6	5.8
PICK FRC A-93	5.3	5.3	6.0	5.5	6.1	6.1	5.5	5.3	5.7	6.3	5.4	4.6	5.8
OXFORD	4.3	4.3	4.7	5.4	5.8	6.1	5.9	5.7	5.8	5.9	5.7	5.2	5.8
ABT-CR-2	5.0	5.0	5.5	5.8	6.1	6.2	5.6	5.3	5.7	6.2	5.9	5.1	5.8
ABT-CR-3	5.3	5.3	5.1	5.4	6.1	5.9	5.6	5.4	5.9	6.3	5.7	5.2	5.8
SHADOW II	5.7	5.3	5.9	5.3	6.1	6.2	5.7	5.4	5.6	6.1	5.5	4.8	5.8
PST-EFL	5.3	5.7	5.1	5.6	6.0	6.0	5.6	5.5	5.6	6.1	5.5	5.1	5.7
SRX 3961	4.0	4.0	4.6	5.3	5.7	6.0	5.8	5.8	5.7	5.9	5.6	5.3	5.7
ISI FRR 7	4.7	5.0	5.4	5.8	5.8	5.9	5.5	5.3	5.6	6.2	5.5	5.4	5.7
ISI FRR 5	5.7	5.7	5.3	5.7	5.9	5.9	5.3	5.4	5.8	6.2	5.8	5.4	5.7
PST-4FR	4.3	4.7	5.2	5.5	5.9	5.9	5.5	5.2	5.7	6.3	5.9	4.8	5.7
FLORENTINE	5.0	5.0	5.3	5.4	5.7	5.9	5.5	5.3	5.7	6.0	5.7	4.8	5.7
PICK FRC 4-92	5.3	5.3	6.2	5.9	5.9	6.0	5.5	5.0	5.4	6.0	5.5	4.8	5.7
PATHFINDER	5.7	5.7	5.8	5.7	5.9	5.8	5.4	5.2	5.6	6.2	5.7	5.4	5.7
TIFFANY	5.7	6.0	5.8	5.6	5.8	5.9	5.4	5.1	5.5	6.1	5.6	5.1	5.7
SHADEMASTER II	6.7	6.7	5.3	5.6	5.8	5.7	5.3	5.3	5.7	6.0	5.8	5.7	5.7
BAR CHF 8 FUS2	4.7	5.0	5.9	5.7	5.8	6.0	5.5	5.1	5.4	6.0	5.6	4.2	5.7
BRITTANY	6.0	6.0	6.3	5.8	5.8	5.8	5.3	5.0	5.4	6.1	5.6	4.7	5.6
ACF 092	5.3	5.3	6.1	5.5	5.9	5.9	5.5	5.0	5.5	6.0	5.8	5.0	5.6
SR 5100	5.7	5.7	5.8	5.5	5.9	5.9	5.5	5.3	5.4	5.9	5.4	4.7	5.6
BAR HF 8 FUS	4.3	4.3	4.7	5.1	5.6	5.7	5.6	5.5	5.7	6.1	5.7	5.2	5.6
ABT-CHW-1	5.7	5.7	5.4	5.7	6.1	5.9	5.4	5.1	5.4	5.9	5.2	4.3	5.6
NORDIC (E)	4.3	4.3	4.4	5.1	5.8	5.8	5.6	5.4	5.6	5.9	5.5	5.2	5.6
BRIDGEPORT	7.0	7.0	6.2	5.6	6.1	5.8	5.4	5.0	5.4	5.8	5.4	4.7	5.6
MAGIC	4.3	4.3	5.9	5.5	5.8	6.0	5.4	5.1	5.4	5.9	5.6	4.9	5.6
ACF 083	6.0	6.0	5.6	5.5	5.6	5.6	5.3	5.1	5.5	6.0	5.5	4.8	5.6
ABT-HF-2	4.0	4.0	4.4	5.2	5.7	5.8	5.5	5.5	5.6	5.9	5.6	5.3	5.6
BAR CF 8 FUS1	5.7	5.7	5.1	5.4	5.6	5.7	5.4	5.2	5.5	6.1	5.9	5.6	5.6
MB-63	5.7	5.7	6.3	5.7	5.7	5.8	5.4	5.0	5.4	6.0	5.7	4.8	5.6
BAR SCF 8 FUS3	6.0	6.0	4.9	5.4	5.8	6.0	5.7	5.0	5.3	5.6	5.7	5.1	5.6
ISI FL 12	4.0	4.0	4.5	5.0	5.6	5.7	5.5	5.4	5.4	5.8	5.5	4.8	5.5
ISI FL 11	4.0	4.0	4.3	5.0	5.3	5.6	5.4	5.3	5.5	5.9	5.8	5.2	5.5
AHF 009	4.0	4.0	4.5	5.1	5.6	5.7	5.5	5.4	5.5	5.9	5.1	4.4	5.5
BANNER III	5.0	5.3	5.8	5.1	5.8	5.8	5.4	5.1	5.3	5.8	5.5	4.3	5.5

TABLE 2A.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA
1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SALSA	5.7	5.7	5.1	5.7	5.6	6.0	5.5	5.0	5.3	5.7	4.7	4.4	5.5
ASR 049	6.0	5.7	4.7	5.5	5.8	6.2	5.5	4.8	5.1	5.5	5.4	4.6	5.5
PST-47TCR	5.7	5.3	4.9	5.3	5.4	5.7	5.3	5.0	5.3	6.0	5.7	4.9	5.5
ABT-HF-4	4.0	4.0	4.5	5.2	5.5	5.6	5.4	5.3	5.4	5.7	5.1	4.4	5.5
DISCOVERY	4.7	4.7	4.5	5.0	5.4	5.6	5.4	5.4	5.3	5.8	5.3	5.2	5.5
SANDPIPER	5.7	6.0	5.9	5.7	5.7	5.5	5.1	4.9	5.2	5.6	5.2	4.7	5.5
RELIANT II	4.0	4.0	4.5	5.0	5.4	5.8	5.4	5.2	5.5	5.7	5.4	4.9	5.5
PST-4MB	4.0	4.0	4.3	5.2	5.5	5.6	5.5	5.3	5.4	5.6	5.2	4.4	5.4
PST-4HM	4.3	4.3	4.3	5.1	5.4	5.8	5.3	5.4	5.3	5.7	5.2	4.9	5.4
SEABREEZE	5.7	5.7	5.2	5.6	5.5	5.8	5.3	4.6	5.1	5.7	5.4	4.6	5.4
OSPREY	4.0	4.0	4.5	5.0	5.6	5.7	5.5	5.3	5.4	5.6	5.1	4.6	5.4
DGSC 94	5.7	5.7	5.7	5.6	5.7	5.5	5.2	4.8	5.3	5.8	5.3	4.7	5.4
PICK FF A-97	4.7	4.7	4.7	5.1	5.3	5.6	5.3	5.3	5.3	5.7	5.3	4.9	5.4
ABT-HF-3	4.3	4.3	4.5	5.2	5.5	5.5	5.4	5.2	5.3	5.5	5.0	5.0	5.4
ATTILA E	4.0	4.0	4.5	5.1	5.3	5.7	5.3	5.2	5.4	5.5	4.9	4.7	5.4
JAMESTOWN II	6.0	6.0	5.7	5.6	5.7	5.7	5.1	4.9	5.0	5.6	5.0	3.8	5.4
SCALDIS	4.3	4.3	4.7	5.3	5.5	5.5	5.3	5.0	5.1	5.5	5.1	4.2	5.4
RESCUE 911	4.3	4.3	3.9	4.7	5.2	5.8	5.4	5.1	5.3	5.6	5.2	4.8	5.3
HERON	4.3	4.3	4.3	5.0	5.5	5.7	5.4	5.1	5.1	5.4	5.1	4.4	5.3
SRX 52LAV	5.0	5.0	4.8	5.4	5.5	5.3	5.2	4.9	5.2	5.7	5.2	4.5	5.3
MB-82	4.0	4.0	4.3	4.6	5.2	5.5	5.4	5.2	5.3	5.5	5.2	4.6	5.3
MINOTAUR	4.7	4.7	4.7	5.1	5.3	5.4	5.3	5.1	5.2	5.6	5.0	4.7	5.3
SCALDIS II (AHF 008)	4.3	4.3	4.5	4.9	5.3	5.4	5.2	5.2	5.2	5.5	5.0	4.2	5.3
DEFIANT	4.0	4.0	4.6	5.0	5.3	5.4	5.3	5.2	5.2	5.6	5.1	4.4	5.3
ASC 082	4.3	5.0	4.7	5.2	5.4	5.5	5.0	4.8	5.2	5.7	5.5	5.1	5.3
ASC 087	5.0	5.0	5.4	5.3	5.4	5.6	5.0	4.6	5.0	5.5	4.9	4.6	5.2
SHADEMARK	5.7	5.7	5.0	5.4	5.2	5.2	4.9	4.7	5.0	5.6	5.2	4.8	5.2
DAWSON E+	5.0	5.3	4.8	5.4	5.6	5.8	5.0	4.4	4.7	5.0	4.8	4.0	5.1
QUATRO	4.7	4.7	4.7	4.9	5.3	5.2	4.9	4.7	4.8	5.2	5.3	4.3	5.1
BIGHORN	3.7	3.7	4.1	5.1	5.3	5.3	5.0	4.8	5.0	5.2	4.5	3.9	5.1
SR 3200	4.3	4.3	4.3	4.9	5.0	5.1	4.9	4.7	4.8	5.1	4.4	3.8	5.0
ASC 172	4.3	4.3	3.9	4.6	4.9	5.0	4.5	4.0	4.6	5.1	4.6	4.0	4.6
BOREAL	6.0	6.0	4.5	5.4	5.5	5.2	4.3	3.7	4.2	4.7	4.1	3.6	4.6
COMMON CREEPING RED	6.0	6.0	4.7	5.6	5.3	5.0	4.2	3.7	4.0	4.6	4.2	3.3	4.6
SR 6000	3.7	3.7	3.9	4.7	4.9	4.7	3.8	3.3	3.2	3.8	3.1	2.7	4.0
LSD VALUE	1.0	1.1	0.9	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.7	1.1	0.3
C.V. (%)	13.1	13.7	25.4	27.9	25.2	25.2	25.5	29.4	31.0	29.4	31.6	36.8	21.0

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

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

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS FOR EACH MONTH GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/ 1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
LONGFELLOW II	5.7	6.0	6.4	6.0	6.2	6.4	6.0	5.7	6.1	6.6	6.2	5.5	6.1
ABT-CHW-3	4.7	4.7	6.0	5.8	6.4	6.2	5.9	5.5	5.8	6.2	5.9	4.7	6.0
ABT-CHW-2	4.7	4.7	6.1	5.6	6.2	6.3	5.8	5.6	5.7	6.3	5.8	5.1	6.0
AMBASSADOR	5.7	5.7	6.2	5.7	6.3	6.4	5.8	5.6	5.8	6.3	5.8	4.8	5.9
INTRIGUE	4.7	5.3	6.2	5.6	6.4	6.3	5.8	5.6	5.8	6.2	5.4	4.5	5.9
TREAZURE (E)	5.7	5.3	5.9	5.6	6.2	6.0	5.7	5.6	5.8	6.0	5.7	5.2	5.9
CULOMBRA	5.0	5.0	6.1	5.8	6.1	6.4	5.8	5.3	5.6	6.1	5.4	4.6	5.9
PICK FRC A-93	5.3	5.3	6.0	5.5	6.1	6.1	5.5	5.3	5.7	6.3	5.4	4.6	5.8
SHADOW II	5.7	5.3	5.9	5.3	6.1	6.2	5.7	5.4	5.6	6.1	5.5	4.8	5.8
PICK FRC 4-92	5.3	5.3	6.2	5.9	5.9	6.0	5.5	5.0	5.4	6.0	5.5	4.8	5.7
TIFFANY	5.7	6.0	5.8	5.6	5.8	5.9	5.4	5.1	5.5	6.1	5.6	5.1	5.7
BAR CHF 8 FUS2	4.7	5.0	5.9	5.7	5.8	6.0	5.5	5.1	5.4	6.0	5.6	4.2	5.7
BRITTANY	6.0	6.0	6.3	5.8	5.8	5.8	5.3	5.0	5.4	6.1	5.6	4.7	5.6
ACF 092	5.3	5.3	6.1	5.5	5.9	5.9	5.5	5.0	5.5	6.0	5.8	5.0	5.6
SR 5100	5.7	5.7	5.8	5.5	5.9	5.9	5.5	5.3	5.4	5.9	5.4	4.7	5.6
ABT-CHW-1	5.7	5.7	5.4	5.7	6.1	5.9	5.4	5.1	5.4	5.9	5.2	4.3	5.6
BRIDGEPORT	7.0	7.0	6.2	5.6	6.1	5.8	5.4	5.0	5.4	5.8	5.4	4.7	5.6
MAGIC	4.3	4.3	5.9	5.5	5.8	6.0	5.4	5.1	5.4	5.9	5.6	4.9	5.6
ACF 083	6.0	6.0	5.6	5.5	5.6	5.6	5.3	5.1	5.5	6.0	5.5	4.8	5.6
MB-63	5.7	5.7	6.3	5.7	5.7	5.8	5.4	5.0	5.4	6.0	5.7	4.8	5.6
BANNER III	5.0	5.3	5.8	5.1	5.8	5.8	5.4	5.1	5.3	5.8	5.5	4.3	5.5
SANDPIPER	5.7	6.0	5.9	5.7	5.7	5.5	5.1	4.9	5.2	5.6	5.2	4.7	5.5
PST-4HM	4.3	4.3	4.3	5.1	5.4	5.8	5.3	5.4	5.3	5.7	5.2	4.9	5.4
JAMESTOWN II	6.0	6.0	5.7	5.6	5.7	5.7	5.1	4.9	5.0	5.6	5.0	3.8	5.4
LSD VALUE	1.0	1.1	1.2	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.7	1.1	0.3
C.V. (%)	12.0	13.0	27.6	26.7	22.6	23.6	23.9	28.3	28.7	27.0	30.7	35.5	19.6

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS FOR EACH MONTH GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/ 1999 DATA

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BAR SCF 8 FUS3	6.0	6.0	4.9	5.4	5.8	6.0	5.7	5.0	5.3	5.6	5.7	5.1	5.6
ASR 049	6.0	5.7	4.7	5.5	5.8	6.2	5.5	4.8	5.1	5.5	5.4	4.6	5.5
SEABREEZE	5.7	5.7	5.2	5.6	5.5	5.8	5.3	4.6	5.1	5.7	5.4	4.6	5.4
DAWSON E+	5.0	5.3	4.8	5.4	5.6	5.8	5.0	4.4	4.7	5.0	4.8	4.0	5.1
LSD VALUE	1.5	1.8	0.9	0.6	0.5	0.4	0.4	0.5	0.5	0.6	0.7	1.2	0.3
C.V. (%)	16.1	19.7	25.5	25.7	26.8	22.6	25.4	34.8	34.7	34.3	33.4	41.3	20.2

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

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

TABLE 2D. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS FOR EACH MONTH GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/ 1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
JASPER II	5.3	5.3	5.3	5.9	6.4	6.3	6.0	5.9	6.1	6.5	6.0	5.6	6.1
SRX 52961	5.0	5.0	5.3	5.5	5.8	6.1	5.7	5.6	5.9	6.3	5.7	5.3	5.9
ABT-CR-2	5.0	5.0	5.5	5.8	6.1	6.2	5.6	5.3	5.7	6.2	5.9	5.1	5.8
ABT-CR-3	5.3	5.3	5.1	5.4	6.1	5.9	5.6	5.4	5.9	6.3	5.7	5.2	5.8
PST-EFL	5.3	5.7	5.1	5.6	6.0	6.0	5.6	5.5	5.6	6.1	5.5	5.1	5.7
ISI FRR 7	4.7	5.0	5.4	5.8	5.8	5.9	5.5	5.3	5.6	6.2	5.5	5.4	5.7
ISI FRR 5	5.7	5.7	5.3	5.7	5.9	5.9	5.3	5.4	5.8	6.2	5.8	5.4	5.7
PST-4FR	4.3	4.7	5.2	5.5	5.9	5.9	5.5	5.2	5.7	6.3	5.9	4.8	5.7
FLORENTINE	5.0	5.0	5.3	5.4	5.7	5.9	5.5	5.3	5.7	6.0	5.7	4.8	5.7
PATHFINDER	5.7	5.7	5.8	5.7	5.9	5.8	5.4	5.2	5.6	6.2	5.7	5.4	5.7
SHADEMASTER II	6.7	6.7	5.3	5.6	5.8	5.7	5.3	5.3	5.7	6.0	5.8	5.7	5.7
BAR CF 8 FUS1	5.7	5.7	5.1	5.4	5.6	5.7	5.4	5.2	5.5	6.1	5.9	5.6	5.6
SALSA	5.7	5.7	5.1	5.7	5.6	6.0	5.5	5.0	5.3	5.7	4.7	4.4	5.5
PST-47TCR	5.7	5.3	4.9	5.3	5.4	5.7	5.3	5.0	5.3	6.0	5.7	4.9	5.5
DGSC 94	5.7	5.7	5.7	5.6	5.7	5.5	5.2	4.8	5.3	5.8	5.3	4.7	5.4
SRX 52LAV	5.0	5.0	4.8	5.4	5.5	5.3	5.2	4.9	5.2	5.7	5.2	4.5	5.3
ASC 082	4.3	5.0	4.7	5.2	5.4	5.5	5.0	4.8	5.2	5.7	5.5	5.1	5.3
ASC 087	5.0	5.0	5.4	5.3	5.4	5.6	5.0	4.6	5.0	5.5	4.9	4.6	5.2
SHADEMARK	5.7	5.7	5.0	5.4	5.2	5.2	4.9	4.7	5.0	5.6	5.2	4.8	5.2
ASC 172	4.3	4.3	3.9	4.6	4.9	5.0	4.5	4.0	4.6	5.1	4.6	4.0	4.6
BOREAL	6.0	6.0	4.5	5.4	5.5	5.2	4.3	3.7	4.2	4.7	4.1	3.6	4.6
COMMON CREEPING RED	6.0	6.0	4.7	5.6	5.3	5.0	4.2	3.7	4.0	4.6	4.2	3.3	4.6
LSD VALUE	1.1	1.2	0.9	0.6	0.6	0.5	0.4	0.4	0.5	0.5	0.7	0.9	0.3
C.V. (%)	13.3	13.3	24.5	28.0	27.4	25.1	25.5	28.3	29.2	26.9	29.1	28.9	20.1

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

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

TABLE 2E.

MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
4001	4.3	4.3	4.5	5.4	5.9	6.3	6.1	5.9	6.0	6.2	5.9	5.3	6.0
ABT-HF1	4.3	4.3	4.8	5.2	6.1	6.0	5.8	5.8	5.9	6.1	5.8	5.6	5.8
OXFORD	4.3	4.3	4.7	5.4	5.8	6.1	5.9	5.7	5.8	5.9	5.7	5.2	5.8
SRX 3961	4.0	4.0	4.6	5.3	5.7	6.0	5.8	5.8	5.7	5.9	5.6	5.3	5.7
BAR HF 8 FUS	4.3	4.3	4.7	5.1	5.6	5.7	5.6	5.5	5.7	6.1	5.7	5.2	5.6
NORDIC (E)	4.3	4.3	4.4	5.1	5.8	5.8	5.6	5.4	5.6	5.9	5.5	5.2	5.6
ABT-HF-2	4.0	4.0	4.4	5.2	5.7	5.8	5.5	5.5	5.6	5.9	5.6	5.3	5.6
ISI FL 12	4.0	4.0	4.5	5.0	5.6	5.7	5.5	5.4	5.4	5.8	5.5	4.8	5.5
ISI FL 11	4.0	4.0	4.3	5.0	5.3	5.6	5.4	5.3	5.5	5.9	5.8	5.2	5.5
AHF 009	4.0	4.0	4.5	5.1	5.6	5.7	5.5	5.4	5.5	5.9	5.1	4.4	5.5
ABT-HF-4	4.0	4.0	4.5	5.2	5.5	5.6	5.4	5.3	5.4	5.7	5.1	4.4	5.5
DISCOVERY	4.7	4.7	4.5	5.0	5.4	5.6	5.4	5.4	5.3	5.8	5.3	5.2	5.5
RELIANT II	4.0	4.0	4.5	5.0	5.4	5.8	5.4	5.2	5.5	5.7	5.4	4.9	5.5
OSPREY	4.0	4.0	4.5	5.0	5.6	5.7	5.5	5.3	5.4	5.6	5.1	4.6	5.4
PICK FF A-97	4.7	4.7	4.7	5.1	5.3	5.6	5.3	5.3	5.3	5.7	5.3	4.9	5.4
ABT-HF-3	4.3	4.3	4.5	5.2	5.5	5.5	5.4	5.2	5.3	5.5	5.0	5.0	5.4
ATTILA E	4.0	4.0	4.5	5.1	5.3	5.7	5.3	5.2	5.4	5.5	4.9	4.7	5.4
SCALDIS	4.3	4.3	4.7	5.3	5.5	5.5	5.3	5.0	5.1	5.5	5.1	4.2	5.4
RESCUE 911	4.3	4.3	3.9	4.7	5.2	5.8	5.4	5.1	5.3	5.6	5.2	4.8	5.3
HERON	4.3	4.3	4.3	5.0	5.5	5.7	5.4	5.1	5.1	5.4	5.1	4.4	5.3
MB-82	4.0	4.0	4.3	4.6	5.2	5.5	5.4	5.2	5.3	5.5	5.2	4.6	5.3
SCALDIS II (AHF 008)	4.3	4.3	4.5	4.9	5.3	5.4	5.2	5.2	5.2	5.5	5.0	4.2	5.3
DEFIANT	4.0	4.0	4.6	5.0	5.3	5.4	5.3	5.2	5.2	5.6	5.1	4.4	5.3
BIGHORN	3.7	3.7	4.1	5.1	5.3	5.3	5.0	4.8	5.0	5.2	4.5	3.9	5.1
LSD VALUE	0.9	0.9	0.7	0.6	0.5	0.5	0.4	0.5	0.5	0.6	0.7	1.3	0.4
C.V. (%)	13.2	13.2	22.1	29.2	24.8	26.4	26.3	29.9	33.2	32.2	33.0	42.2	22.7

TABLE 2F.

MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PST-4MB	4.0	4.0	4.3	5.2	5.5	5.6	5.5	5.3	5.4	5.6	5.2	4.4	5.4
MINOTAUR	4.7	4.7	4.7	5.1	5.3	5.4	5.3	5.1	5.2	5.6	5.0	4.7	5.3
QUATRO	4.7	4.7	4.7	4.9	5.3	5.2	4.9	4.7	4.8	5.2	5.3	4.3	5.1
SR 3200	4.3	4.3	4.3	4.9	5.0	5.1	4.9	4.7	4.8	5.1	4.4	3.8	5.0
SR 6000	3.7	3.7	3.9	4.7	4.9	4.7	3.8	3.3	3.2	3.8	3.1	2.7	4.0
LSD VALUE	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.5	0.5	0.6	0.8	1.2	0.4
C.V. (%)	12.1	12.1	21.6	29.3	28.3	29.6	29.0	33.3	36.6	35.1	39.4	44.8	25.1

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

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

TABLE 3A.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
LONGFELLOW II	45.5	73.5	9.0	11.0	4.0	6.5	7.0	1.5	15.5	2.0	5.0	44.5	3.0	3.0	6.5	5.0	5.0	9.0	69.0	5.0	23.0	4.5	18.5	13.0	5.0	36.0	5.0	5.0	10.0	1
JASPER II	23.5	17.0	9.0	1.0	12.0	8.0	4.5	14.0	15.5	37.5	32.5	5.0	11.0	47.0	6.5	2.0	7.5	24.0	1.0	6.0	25.5	29.0	12.5	47.0	14.0	19.0	28.5	32.0	2.5	2
4001	4.0	12.5	22.0	43.0	34.5	40.5	20.0	35.0	1.0	5.5	1.0	27.0	51.0	60.0	67.5	1.0	3.0	36.0	33.5	70.0	1.0	29.0	1.0	17.0	2.0	1.0	41.5	6.5	33.0	3
AMBASSADOR	28.0	51.0	29.5	48.0	10.5	16.0	4.5	1.5	6.0	22.5	14.5	59.5	11.0	14.5	10.0	21.5	6.0	47.0	14.5	17.5	34.0	49.5	40.0	4.5	58.5	49.0	3.0	4.0	30.5	4
ABT-CHW-2	67.0	28.0	14.5	19.0	8.5	10.0	7.0	4.0	47.0	11.0	2.0	63.0	11.0	27.0	49.0	20.0	20.0	7.5	52.5	43.0	16.5	29.0	29.5	2.0	46.5	19.0	5.0	3.0	4.0	5
ABT-CHW-3	53.5	19.0	17.5	48.0	38.5	25.0	10.5	16.0	36.0	4.0	53.0	31.5	4.5	27.0	50.5	7.0	4.0	11.0	19.0	11.5	35.0	29.0	29.5	1.0	24.5	58.5	2.0	9.0	42.0	6
INTRIGUE	62.0	48.5	9.0	27.5	17.0	16.0	2.5	6.5	13.0	13.0	26.0	9.5	45.0	44.5	40.5	10.5	21.0	14.0	5.5	39.5	19.5	4.5	12.5	44.0	6.5	72.5	8.5	1.0	25.5	7
SRX 52961	38.5	26.0	1.0	7.0	2.0	16.0	20.0	28.5	13.0	40.5	18.5	9.5	27.5	27.0	40.5	10.5	7.5	29.0	11.0	11.5	49.5	15.5	18.5	55.0	49.5	55.0	35.5	50.0	10.0	8
TREAZURE (E)	50.0	44.5	38.0	11.0	52.0	9.0	29.5	5.0	39.5	22.5	49.0	18.0	17.0	7.5	23.0	18.5	9.5	3.0	42.5	27.0	4.0	29.0	45.5	59.5	40.0	42.5	13.0	22.0	14.0	9
CULOMBRA	70.0	9.5	17.5	4.5	5.5	16.0	35.0	8.0	68.0	55.5	18.5	44.5	7.5	2.0	21.0	62.0	34.5	1.0	62.0	22.5	53.0	1.0	14.5	31.0	9.5	23.0	5.0	24.0	25.5	10
ABT-HF1	6.0	3.5	20.0	52.5	44.0	58.0	14.0	27.0	2.0	14.0	32.5	20.5	74.0	61.0	42.0	8.0	2.0	42.0	69.0	72.0	2.0	49.5	7.0	11.0	3.0	2.0	57.5	8.0	69.5	11
ABT-CR-2	18.5	18.0	3.0	14.5	8.5	2.0	10.5	23.0	39.5	28.5	60.5	53.0	6.0	47.0	28.0	4.0	18.5	61.5	5.5	19.5	56.0	29.0	48.0	64.0	66.0	42.5	31.0	30.5	30.5	12
PICK FRC A-93	38.5	58.0	56.5	22.5	27.0	29.5	2.5	18.5	42.5	31.0	10.5	31.5	19.5	20.0	34.5	37.5	46.0	22.0	26.0	29.5	40.5	15.5	21.5	9.0	24.5	36.0	1.0	20.5	18.5	13
ABT-CR-3	35.5	23.0	3.0	58.5	1.0	34.5	1.0	33.0	47.0	9.0	21.5	65.0	19.5	42.0	19.5	3.0	27.0	50.5	5.5	19.5	42.0	15.5	40.0	50.5	66.0	15.0	26.5	54.0	15.0	14
OXFORD	1.0	3.5	28.0	38.0	28.0	50.5	20.0	60.0	4.5	18.5	3.0	53.0	45.0	71.5	43.5	23.0	9.5	17.0	33.5	46.0	23.0	69.0	21.5	4.5	40.0	5.0	35.5	11.5	55.5	15
SHADOW II	53.5	34.5	11.5	67.0	32.0	52.5	23.0	3.0	44.0	22.5	69.0	65.0	13.0	40.0	39.0	25.0	15.0	11.0	19.0	46.0	43.5	29.0	24.5	13.0	16.0	24.0	24.0	2.0	21.5	16
PST-EFL	28.0	61.0	5.0	11.0	7.0	6.5	17.0	32.0	47.0	55.5	32.5	24.0	9.0	20.0	46.5	16.0	31.0	20.0	62.0	14.0	47.0	49.5	33.0	55.0	58.5	26.5	39.5	57.0	25.5	17
ISI FRR 7	42.0	73.5	6.5	14.5	44.0	11.0	17.0	10.0	42.5	31.0	32.5	40.0	30.0	7.5	13.5	18.5	15.0	53.5	2.0	3.5	60.0	29.0	40.0	61.5	75.5	68.0	24.0	57.0	39.0	18
ISI FRR 5	38.5	68.5	24.0	11.0	21.5	1.0	23.0	28.5	36.0	49.5	39.5	18.0	15.0	36.0	11.0	13.0	54.0	71.5	42.5	2.0	38.5	29.0	33.0	38.0	33.0	61.5	46.0	54.0	18.5	19
SRX 3961	5.0	34.5	38.0	71.0	29.5	60.5	14.0	47.0	24.0	58.5	26.0	5.0	51.0	71.5	50.5	6.0	1.0	34.5	62.0	66.0	3.0	49.5	4.0	7.0	24.5	9.0	62.5	17.5	55.5	20
PST-4FR	33.5	66.5	33.5	34.0	3.0	3.5	12.0	17.0	24.0	34.0	4.0	28.0	4.5	39.0	30.0	27.5	51.0	58.0	33.5	29.5	45.0	49.5	10.0	64.0	54.5	52.0	46.0	19.0	36.0	21
FLORENTINE	35.5	55.5	11.5	43.0	21.5	12.0	9.0	51.0	39.5	26.0	14.5	53.0	31.0	30.5	18.0	29.5	25.0	45.5	19.0	17.5	52.0	49.5	36.0	55.0	31.0	65.0	28.5	40.0	50.0	22
PATHFINDER	28.0	73.5	38.0	22.5	34.5	16.0	7.0	30.5	60.0	69.5	23.5	20.5	15.0	7.5	15.5	16.0	37.5	55.5	26.0	8.0	67.0	29.0	55.0	25.5	54.5	63.5	24.0	43.5	10.0	23
SHADEMASTER II	50.0	51.0	26.0	19.0	55.5	22.0	25.5	45.5	47.0	52.5	43.0	48.0	2.0	11.0	8.5	33.0	60.0	55.5	33.5	1.0	64.0	4.5	24.5	44.0	40.0	30.0	35.5	65.5	10.0	24
TIFFANY	38.5	51.0	13.0	19.0	44.0	36.5	53.0	11.5	53.0	18.5	39.5	73.0	22.5	44.5	8.5	51.5	62.0	25.0	11.0	31.0	57.5	15.5	53.0	64.0	24.5	22.0	11.0	16.0	10.0	25
BAR HF 8 FUS	3.0	26.0	64.5	56.5	44.0	45.5	29.5	42.0	7.0	18.5	43.0	68.0	32.5	57.0	45.0	32.0	34.5	77.0	26.0	57.0	19.5	49.5	3.0	25.5	12.5	15.0	43.5	27.0	42.0	26
PICK FRC 4-92	64.0	61.0	38.0	38.0	5.5	43.0	41.5	20.0	68.0	3.0	32.5	53.0	27.5	7.5	2.5	55.0	48.5	5.0	19.0	36.0	59.0	15.5	51.0	25.5	28.0	61.5	8.5	14.0	36.0	27
ACF 092	55.0	53.0	42.5	19.0	21.5	5.0	60.5	37.5	36.0	58.5	60.5	24.0	19.5	68.0	25.5	59.0	29.5	42.0	52.5	26.0	32.5	15.5	36.0	31.0	18.0	38.5	20.5	11.5	21.5	28
BAR CHF 8 FUS2	43.0	77.0	17.5	52.5	13.5	26.5	63.5	23.0	55.0	22.5	14.5	36.5	24.5	14.5	28.0	74.0	17.0	17.0	33.5	48.5	49.5	49.5	18.5	55.0	8.0	45.5	20.5	15.0	16.5	29
SR 5100	56.0	44.5	45.5	43.0	21.5	20.0	53.0	21.0	50.0	47.0	56.5	31.5	19.5	30.5	22.0	46.0	32.0	22.0	19.0	51.0	38.5	4.5	54.0	25.5	66.0	49.0	14.0	17.5	25.5	30
BRITTANY	61.0	79.0	26.0	27.5	24.5	22.0	27.5	42.0	60.0	37.5	21.5	72.0	27.5	14.5	2.5	62.0	43.0	7.5	26.0	24.5	54.5	8.5	48.0	49.0	58.5	30.0	7.0	10.0	36.0	31
NORDIC (E)	13.5	5.5	56.5	52.5	38.5	66.0	46.0	68.0	24.0	26.0	32.5	68.0	40.5	47.0	24.0	29.5	18.5	27.5	42.5	77.0	5.0	29.0	8.5	33.5	21.0	16.5	48.5	37.0	36.0	32
BRIDGEPORT	69.0	39.0	44.0	31.5	57.5	40.5	55.0	15.0	64.5	66.5	49.0	40.0	27.5	20.0	13.5	48.5	60.0	26.0	26.0	15.0	40.5	4.5	51.0	17.0	35.5	49.0	20.5	37.0	6.0	33
ABT-CHW-1	71.5	31.5	38.0	38.0	38.5	29.5	53.0	18.5	24.0	28.5	10.5	53.0	24.5	42.0	5.0	68.0	23.5	6.0	33.5	54.0	51.0	69.0	43.5	10.0	69.0	74.0	11.0	27.0	10.0	34
BAR CF 8 FUS1	33.5	73.5	22.0	38.0	10.5	24.0	23.0	42.0	64.5	40.5	10.5	5.0	38.0	33.0	12.0	34.0	39.5	71.5	11.0	3.5	63.0	15.5	60.0	68.0	48.0	56.5	31.0	60.0	42.0	35
ABT-HF-2	13.5	12.5	77.0	52.5	61.0	75.0	38.0	53.0	18.5	26.0	32.5	42.5	47.5	59.0	59.0	12.0	12.0	53.5	42.5	63.0	14.0	49.5	2.0	25.5	18.0	3.0	62.5	30.5	67.5	36
MB-63	60.0	31.5	60.0	4.5	32.0	3.5	38.0	37.5	57.0	12.0	56.5	68.0	15.0	7.5	1.0	65.0	39.5	61.5	78.0	24.5	57.5	8.5	40.0	47.0	20.0	60.0	16.5	43.5	52.0	37
MAGIC	67.0	68.5	56.5	56.5	17.0	34.5	46.0	9.0	57.0	15.5	32.5	61.5	7.5	33.0	19.5	48.5	45.0	11.0	62.0	28.0	61.0	15.5	40.0	59.5	43.0	58.5	11.0	35.0	25.5	38
BAR SCF 8 FUS3	32.0	21.5	14.5	52.5	13.5	47.5	27.5	74.5	33.0	47.0	74.0	3.0	65.0	33.0	17.0	41.0	26.0	71.5	5.5	32.0	63.0	77.5	64.0	17.0	6.5	30.0	43.5	6.5	20.0	39
ACF 083	20.5	44.5	31.5	27.5	48.5	38.0	58.0	37.5	57.0	52.5	26.0	61.5	61.0	27.0	15.5	56.0	48.5	13.0	14.5	22.5	47.0	15.5	36.0	66.0	29.5	49.0	26.5	27.0	30.5	40
ISI FL 12	9.5	61.0	76.0	58.5	17.0	54.5	25.5	62.0	4.5	7.0	7.5	18.0	55.0	53.0	69.5	43.0	34.5	42.0	26.0	51.0	25.5	49.5	8.5	41.5	52.5	7.0	57.5	37.0	62.5	41
ISI FL 11	2.0	64.5	71.0	46.0	68.5	52.5	35.0	69.5	3.0	1.0	32.5	36.5	55.0	68.0	46.5	35.0	29.5	39.0	62.0	34.0	19.5	49.5	6.0	25.5	61.5	26.5	39.5	61.0	61.0	42
BANNER III	71.5	36.0	33.5	52.5	17.0	39.0	50.0	11.5	51.0	9.0	14.5	76.0	42.0	36.0	4.0	58.0	55.5	22.0	19.0	57.0	54.5	49.5	51.0							

TABLE 3A. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA
1999 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
ASR 049	23.5	7.5	3.0	31.5	24.5	56.5	76.0	30.5	33.0	58.5	75.0	1.0	78.0	27.0	36.0	66.0	12.0	63.0	5.5	43.0	47.0	49.5	68.0	17.0	29.5	44.0	46.0	13.0	2.5	46
PST-47TCR	45.5	61.0	22.0	31.5	48.5	16.0	17.0	58.0	53.0	43.5	18.5	59.5	34.5	24.0	32.5	31.0	41.0	57.0	5.5	11.5	67.0	29.0	66.5	72.0	66.0	53.0	38.0	50.0	64.0	47
ABT-HF-4	18.5	39.0	38.0	48.0	44.0	45.5	66.5	58.0	9.0	34.0	45.5	13.5	69.0	53.0	72.0	14.0	22.0	38.0	42.5	74.0	19.5	69.0	61.0	7.0	63.0	28.0	66.0	33.5	45.5	48
PST-4MB	30.5	1.0	31.5	45.0	73.0	42.0	41.5	55.0	18.5	18.5	6.0	40.0	43.0	64.0	64.0	21.5	63.0	75.5	52.5	63.0	12.0	69.0	59.0	55.0	72.5	40.0	62.5	68.5	42.0	49
DISCOVERY	17.0	26.0	74.5	63.0	48.5	63.0	35.0	72.5	8.0	47.0	56.5	53.0	49.0	68.0	48.0	37.5	12.0	42.0	62.0	75.5	7.5	49.5	29.5	50.5	24.5	16.5	57.5	33.5	65.5	50
RELIANT II	41.0	44.5	74.5	31.5	55.5	72.0	41.5	71.0	13.0	9.0	43.0	24.0	72.5	53.0	65.5	24.0	23.5	30.5	52.5	57.0	28.0	69.0	33.0	3.0	35.5	11.5	77.0	23.0	36.0	51
PST-4HM	7.5	2.0	56.5	38.0	65.5	44.0	60.5	72.5	53.0	37.5	45.5	9.5	57.0	76.0	69.5	40.0	28.0	50.5	52.5	61.0	7.5	49.5	16.0	13.0	52.5	33.0	74.0	57.0	45.5	52
SANDPIPER	64.0	39.0	53.0	24.5	74.0	29.5	70.0	6.5	74.0	61.5	62.5	77.0	53.0	1.0	28.0	70.5	55.5	4.0	79.0	39.5	65.0	15.5	48.0	20.5	33.0	41.0	16.5	43.5	10.0	53
DGSC 94	58.0	55.5	42.5	3.0	36.0	36.5	14.0	37.5	60.0	52.5	53.0	46.5	38.0	20.0	38.0	48.5	52.5	67.5	52.5	7.0	72.0	15.5	64.0	68.0	58.5	70.5	33.0	67.0	53.0	54
SEABREEZE	58.0	7.5	17.5	16.0	54.0	64.5	66.5	48.0	74.0	66.5	66.0	16.0	22.5	20.0	32.5	73.0	42.0	42.0	62.0	39.5	69.0	29.0	70.0	35.0	4.0	34.0	31.0	27.0	16.5	55
OSPREY	7.5	29.0	78.0	38.0	41.0	60.5	38.0	25.5	24.0	72.5	71.5	31.5	51.0	74.0	73.0	45.0	15.0	37.0	69.0	78.5	14.0	49.5	45.5	55.0	12.5	6.0	52.0	20.5	55.5	56
PICK FF A-97	23.5	39.0	71.0	73.5	32.0	54.5	63.5	65.5	29.5	65.0	7.5	31.5	45.0	53.0	55.5	37.5	66.0	59.5	42.5	70.0	14.0	69.0	27.0	47.0	40.0	8.0	52.0	59.0	62.5	57
ABT-HF-3	30.5	11.0	48.0	73.5	65.5	67.0	50.0	61.0	18.5	37.5	32.5	9.5	59.0	53.0	57.0	16.0	34.5	15.0	62.0	73.0	10.0	69.0	75.0	20.5	71.0	19.0	66.0	47.0	72.5	58
ATTILA E	13.5	24.0	67.0	63.0	75.5	49.0	71.0	45.5	24.0	58.5	49.0	24.0	76.0	42.0	74.5	42.0	64.5	32.5	33.5	48.5	30.0	76.0	58.0	38.0	9.5	13.0	57.5	43.5	42.0	59
SCALDIS	20.5	20.0	62.0	67.0	67.0	68.0	69.0	63.0	29.5	31.0	39.5	53.0	69.0	49.0	77.0	60.0	70.5	50.5	52.5	66.0	11.0	29.0	11.0	17.0	11.0	10.0	69.0	70.0	67.5	60
JAMESTOWN II	75.0	55.5	50.5	8.0	48.5	32.0	72.0	23.0	76.5	52.5	53.0	75.0	1.0	36.0	34.5	75.5	73.0	32.5	62.0	46.0	62.0	4.5	56.0	22.0	33.0	76.0	16.5	50.0	5.0	61
HERON	9.5	14.0	56.5	61.0	52.0	56.5	63.5	64.0	39.5	49.5	10.5	46.5	58.0	64.0	71.0	53.5	57.5	59.5	42.5	66.0	7.5	69.0	64.0	7.0	15.0	49.0	78.0	46.0	60.0	62
SRX 52LAV	58.0	39.0	38.0	6.0	29.5	16.0	46.0	40.0	47.0	72.5	70.0	2.0	38.0	64.0	37.0	57.0	74.0	78.0	11.0	35.0	74.0	15.5	18.5	76.0	45.0	68.0	52.0	76.0	50.0	63
RESCUE 911	13.5	9.5	71.0	75.5	38.5	60.5	50.0	78.0	24.0	43.5	65.0	13.5	63.5	75.0	60.5	26.0	68.5	34.5	52.5	75.5	23.0	49.5	24.5	44.0	40.0	11.5	73.0	64.0	79.0	64
MB-82	50.0	31.5	64.5	72.0	62.0	73.0	58.0	34.0	29.5	5.5	49.0	9.5	62.0	78.5	63.0	67.0	48.5	67.5	42.5	78.5	29.0	69.0	5.0	31.0	44.0	32.0	57.5	40.0	69.5	65
SCALDIS II (AHF 008)	13.5	44.5	71.0	69.0	57.5	64.5	46.0	56.0	10.5	15.5	62.5	36.5	71.0	78.5	65.5	72.0	67.0	48.0	52.5	54.0	16.5	49.5	73.5	55.0	1.0	21.0	48.5	50.0	47.0	66
MINOTAUR	13.5	44.5	61.0	65.0	60.0	70.0	58.0	44.0	29.5	43.5	23.5	9.5	60.0	64.0	52.0	9.0	48.5	30.5	72.0	68.0	7.5	49.5	77.0	38.0	77.0	25.0	69.0	62.5	71.0	67
DEFIANT	26.0	66.5	64.5	75.5	59.0	47.5	46.0	77.0	18.5	63.5	56.5	31.5	66.5	50.0	78.0	44.0	44.0	67.5	74.0	59.5	31.0	69.0	24.5	38.0	46.5	14.0	41.5	54.0	75.5	68
ASC 082	45.5	55.5	45.5	60.0	52.0	29.5	31.5	53.0	62.5	69.5	64.0	53.0	47.5	71.5	25.5	27.5	72.0	75.5	11.0	16.0	71.0	49.5	43.5	75.0	74.0	38.5	75.5	74.5	72.5	69
ASC 087	67.0	61.0	26.0	70.0	70.5	33.0	41.5	49.5	66.0	68.0	59.0	24.0	72.5	38.0	62.0	64.0	57.5	67.5	33.5	9.0	67.0	69.0	66.5	73.0	51.0	68.0	35.5	68.5	55.5	70
SHADEMARK	73.0	64.5	71.0	67.0	68.5	26.5	56.0	49.5	71.0	74.0	71.5	58.0	40.5	12.0	31.0	62.0	64.5	64.5	74.0	11.5	75.0	49.5	57.0	70.5	70.0	63.5	66.0	72.5	58.5	71
DAWSON E+	75.0	16.0	47.0	19.0	26.0	74.0	77.0	53.0	62.5	76.0	78.0	36.5	75.0	14.5	58.0	77.0	52.5	27.5	76.5	43.0	43.5	49.5	69.0	33.5	24.5	72.5	52.0	27.0	25.5	72
BIGHORN	50.0	5.5	50.5	27.5	72.0	69.0	63.5	67.0	33.0	75.0	49.0	53.0	66.5	77.0	74.5	53.5	68.5	50.5	74.0	70.0	32.5	49.5	71.0	61.5	56.0	36.0	71.5	77.0	77.5	73
QUATRO	50.0	48.5	68.0	77.0	70.5	71.0	78.0	65.5	68.0	61.5	67.5	74.0	34.5	57.0	60.5	69.0	60.0	17.0	19.0	63.0	70.0	69.0	14.5	29.0	75.5	45.5	57.5	65.5	58.5	74
SR 3200	64.0	21.5	50.5	63.0	75.5	50.5	73.0	58.0	71.0	63.5	67.5	71.0	69.0	71.5	67.5	70.5	75.0	45.5	26.0	59.5	36.5	49.5	73.5	70.5	66.0	66.0	62.5	78.0	74.0	75
ASC 172	75.0	78.0	56.5	78.0	77.0	78.0	31.5	74.5	71.0	43.5	73.0	78.0	32.5	64.0	53.0	37.5	77.0	79.0	42.5	33.0	76.0	77.5	72.0	79.0	78.0	77.0	69.0	79.0	77.5	76
BOREAL	79.0	73.5	50.5	24.5	64.0	77.0	74.0	69.5	79.0	77.0	76.0	70.0	55.0	4.0	43.5	79.0	78.0	64.5	42.5	37.0	78.0	69.0	76.0	77.5	61.5	78.0	79.0	72.5	50.0	77
COMMON CREEPING RED	78.0	73.5	64.5	11.0	78.0	76.0	75.0	76.0	78.0	78.0	77.0	65.0	77.0	23.0	54.0	78.0	79.0	74.0	69.0	39.5	77.0	49.5	78.0	74.0	72.5	75.0	75.5	74.5	30.5	78
SR 6000	77.0	70.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	36.0	17.0	79.0	75.5	76.0	71.5	76.5	51.0	79.0	79.0	79.0	77.5	79.0	79.0	71.5	71.0	75.5	79

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 3B.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
LONGFELLOW II	7.0	22.0	1.5	4.5	1.0	3	4.5	1.5	3.0	1.0	2.0	10.5	2.0	3.0	6.0	1.0	2.0	8.0	22.0	1.0	5.0	4.0	4.5	7.0	1.0	7.5	5.0	5.0	5.5	1
AMBASSADOR	3.0	15.5	10.0	19.5	5.0	7	3.0	1.5	1.0	11.5	6.0	14.0	6.5	8.0	8.0	6.0	3.0	22.0	3.5	4.0	7.0	21.5	13.0	3.0	21.5	14.5	3.0	4.0	17.5	2
ABT-CHW-3	18.5	4.0	5.0	7.0	4.0	5	4.5	4.0	10.0	5.0	1.0	17.0	6.5	13.0	22.0	5.0	7.0	6.5	17.0	17.0	3.0	17.5	8.5	2.0	19.0	1.0	5.0	3.0	1.0	3
ABT-CHW-2	9.5	3.0	7.0	19.5	16.5	11	6.0	13.0	5.5	3.0	18.5	6.0	3.0	13.0	23.0	2.0	1.0	10.0	7.0	2.0	8.0	17.5	8.5	1.0	10.0	17.5	2.0	6.0	21.0	4
INTRIGUE	15.0	14.0	1.5	12.0	8.0	7	1.5	6.5	2.0	7.0	10.5	1.5	21.0	21.5	21.0	3.0	8.0	13.0	1.0	15.5	4.0	4.0	1.0	17.0	2.0	22.0	8.5	1.0	14.5	5
TREAZURE (E)	8.0	12.0	14.0	4.5	21.0	4	9.0	5.0	7.0	11.5	16.5	3.0	10.0	5.0	14.0	4.0	4.0	2.0	15.0	10.0	1.0	17.5	16.0	21.5	17.0	11.0	13.0	14.0	8.0	6
CULOMBRA	21.0	2.0	7.0	1.5	2.5	7	10.0	8.0	21.5	21.0	8.0	10.5	4.5	2.0	12.0	18.5	13.0	1.0	20.0	5.5	16.0	1.0	2.0	14.5	4.0	3.0	5.0	15.0	14.5	7
PICK FRC A-93	4.5	19.0	22.0	9.0	13.0	14	1.5	14.5	8.0	15.0	3.5	6.0	12.0	10.5	18.5	8.0	17.0	16.0	11.0	12.0	10.5	12.0	6.0	4.0	10.0	7.5	1.0	13.0	10.0	8
SHADOW II	9.5	7.0	3.0	24.0	14.5	24	7.0	3.0	9.0	11.5	24.0	18.0	8.0	19.0	20.0	7.0	5.0	10.0	7.0	18.5	12.0	17.5	7.0	7.0	5.0	4.0	22.0	2.0	11.5	9
TIFFANY	4.5	15.5	4.0	7.0	18.0	18	16.0	10.5	13.5	9.0	14.0	21.0	14.0	21.5	7.0	13.0	23.0	18.0	2.0	13.0	19.5	12.0	22.0	23.0	10.0	2.0	11.0	11.0	5.5	10
PICK FRC 4-92	16.5	20.0	14.0	16.0	2.5	22	12.0	16.0	21.5	2.0	12.5	12.5	18.0	5.0	2.5	14.0	18.5	4.0	7.0	14.0	21.0	12.0	20.0	12.5	12.0	20.0	8.5	9.0	19.5	11
ACF 092	11.0	17.0	16.0	7.0	10.5	2	20.5	21.0	5.5	22.0	22.0	4.0	12.0	23.0	15.0	17.0	11.0	21.0	17.0	9.0	6.0	12.0	10.5	14.5	6.5	9.0	20.0	8.0	11.5	12
BAR CHF 8 FUS2	6.0	23.0	7.0	21.5	6.0	12	22.0	18.5	15.0	11.5	6.0	8.0	15.5	8.0	16.5	23.0	6.0	14.0	13.5	20.0	14.0	21.5	4.5	20.0	3.0	12.0	20.0	10.0	9.0	13
SR 5100	12.0	12.0	18.0	18.0	10.5	9	16.0	17.0	11.0	18.0	20.5	6.0	12.0	15.0	13.0	10.0	12.0	16.0	7.0	21.0	9.0	4.0	23.0	12.5	23.0	14.5	14.0	12.0	14.5	14
BRITTANY	14.0	24.0	9.0	12.0	12.0	10	8.0	23.0	19.0	16.5	9.0	20.0	18.0	8.0	2.5	18.5	15.0	6.5	11.0	7.5	17.5	7.5	17.5	19.0	21.5	5.0	7.0	7.0	19.5	15
BRIDGEPORT	20.0	9.5	17.0	14.0	22.0	21	18.0	12.0	20.0	24.0	16.5	9.0	18.0	10.5	9.0	11.5	22.0	19.0	11.0	3.0	10.5	4.0	20.0	9.0	16.0	14.5	20.0	19.0	3.0	16
ABT-CHW-1	22.5	5.5	14.0	16.0	16.5	14	16.0	14.5	4.0	14.0	3.5	12.5	15.5	20.0	5.0	21.0	9.0	5.0	13.5	22.0	15.0	24.0	15.0	5.0	24.0	23.0	11.0	16.5	5.5	17
MB-63	13.0	5.5	24.0	1.5	14.5	1	11.0	21.0	17.0	6.0	20.5	19.0	9.0	5.0	1.0	20.0	14.0	24.0	23.0	7.5	19.5	7.5	13.0	18.0	8.0	19.0	16.5	20.5	23.0	18
MAGIC	18.5	21.0	22.0	23.0	8.0	17	13.0	9.0	17.0	8.0	12.5	15.5	4.5	16.0	11.0	11.5	16.0	10.0	20.0	11.0	22.0	12.0	13.0	21.5	18.0	17.5	11.0	18.0	14.5	19
ACF 083	2.0	12.0	11.0	12.0	19.5	19	19.0	21.0	17.0	19.5	10.5	15.5	24.0	13.0	10.0	15.0	18.5	12.0	3.5	5.5	13.0	12.0	10.5	24.0	13.0	14.5	23.0	16.5	17.5	20
BANNER III	22.5	8.0	12.0	21.5	8.0	20	14.0	10.5	12.0	4.0	6.0	23.0	20.0	17.5	4.0	16.0	20.5	16.0	7.0	23.0	17.5	21.5	20.0	16.0	6.5	21.0	16.5	22.5	24.0	21
PST-4HM	1.0	1.0	22.0	16.0	23.0	23	20.5	24.0	13.5	16.5	15.0	1.5	23.0	24.0	24.0	9.0	10.0	23.0	17.0	24.0	2.0	21.5	3.0	7.0	20.0	6.0	24.0	24.0	22.0	22
SANDPIPER	16.5	9.5	20.0	10.0	24.0	14	23.0	6.5	23.0	23.0	23.0	24.0	22.0	1.0	16.5	22.0	20.5	3.0	24.0	15.5	24.0	12.0	17.5	10.0	14.5	10.0	16.5	20.5	5.5	23
JAMESTOWN II	24.0	18.0	19.0	3.0	19.5	16	24.0	18.5	24.0	19.5	18.5	22.0	1.0	17.5	18.5	24.0	24.0	20.0	20.0	18.5	23.0	4.0	24.0	11.0	14.5	24.0	16.5	22.5	2.0	24

TABLE 3C.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
BAR SCF 8 FUS3	2	4.0	2	4	1	1	1	4	1.5	1	2	2	2	4	1	1	2	4	1.5	1.0	1	4.0	1	1.5	2	1	2	1.0	3	1
ASR 049	1	1.5	1	3	2	2	3	1	1.5	2	3	1	4	3	3	2	1	3	1.5	3.5	3	2.5	2	1.5	4	3	3	2.0	1	2
SEABREEZE	3	1.5	3	1	4	3	2	2	4.0	3	1	3	1	2	2	3	3	2	3.0	2.0	4	1.0	4	4.0	1	2	1	3.5	2	3
DAWSON E+	4	3.0	4	2	3	4	4	3	3.0	4	4	4	3	1	4	4	4	1	4.0	3.5	2	2.5	3	3.0	3	4	4	3.5	4	4

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TABLE 3D.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
JASPER II	2.0	2	7.0	1.0	7.0	5.0	2.0	3.0	2.0	6.0	9.0	2.5	5.0	18.5	1	1.0	1.5	3.0	1.0	5.0	1	10.0	2.0	5.0	1.0	1.0	5.5	3.0	2.0	1
SRX 52961	9.5	5	1.0	5.0	2.0	9.5	11.0	6.5	1.0	7.5	4.5	4.0	9.0	11.0	16	4.0	1.5	4.0	7.5	10.0	6	4.0	3.5	8.0	8.0	9.0	11.0	6.5	4.0	2
ABT-CR-2	1.0	3	2.5	9.5	5.0	2.0	5.0	5.0	5.5	3.0	16.0	15.0	3.0	18.5	10	3.0	4.0	12.0	4.0	15.5	8	10.0	12.0	11.5	16.0	5.0	7.5	2.0	9.5	3
ABT-CR-3	7.5	4	2.5	18.0	1.0	18.0	1.0	10.0	9.5	1.0	6.0	19.5	8.0	17.0	8	2.0	6.0	6.0	4.0	15.5	3	4.0	9.5	6.0	16.0	8.0	4.0	8.5	6.0	4
PST-EFL	3.5	12	4.0	7.0	4.0	4.0	9.0	9.0	9.5	14.0	9.0	7.5	4.0	7.5	18	6.5	7.0	2.0	20.0	12.0	5	16.5	6.5	8.0	12.5	2.0	14.0	10.5	8.0	5
ISI FRR 7	11.0	19	5.5	9.5	14.0	6.0	9.0	1.0	7.0	4.0	9.0	10.0	10.0	3.0	5	8.0	3.0	7.0	2.0	3.5	9	10.0	9.5	10.0	21.0	17.0	2.5	10.5	12.0	6
ISI FRR 5	9.5	16	11.0	7.0	9.5	1.0	12.5	6.5	4.0	11.0	11.5	5.0	6.5	14.0	3	5.0	13.0	17.5	16.0	2.0	2	10.0	6.5	2.5	3.0	12.0	15.5	8.5	7.0	7
PST-4FR	5.5	15	14.0	15.0	3.0	3.0	6.0	4.0	3.0	5.0	1.0	9.0	2.0	16.0	11	9.5	11.0	11.0	13.0	18.0	4	16.5	1.0	11.5	10.5	6.0	15.5	1.0	11.0	8
FLORENTINE	7.5	9	8.0	17.0	9.5	7.0	4.0	17.0	5.5	2.0	3.0	15.0	11.0	12.0	7	11.0	5.0	5.0	10.0	14.0	7	16.5	8.0	8.0	2.0	15.0	5.5	4.0	15.0	9
PATHFINDER	3.5	19	15.5	12.0	12.0	9.5	3.0	8.0	13.5	16.5	7.0	6.0	6.5	3.0	6	6.5	8.0	8.5	11.0	7.0	13	10.0	13.0	1.0	10.5	13.5	2.5	5.0	4.0	10
SHADEMASTER II	15.0	7	12.5	11.0	17.0	12.5	14.0	14.0	9.5	12.5	13.0	13.0	1.0	5.0	2	13.0	15.0	8.5	13.0	1.0	11	1.0	5.0	4.0	5.0	3.0	11.0	14.0	4.0	11
BAR CF 8 FUS1	5.5	19	9.5	16.0	6.0	14.0	12.5	13.0	16.0	7.5	2.0	2.5	15.0	13.0	4	14.0	9.0	17.5	7.5	3.5	10	4.0	15.0	13.5	7.0	10.5	7.5	12.0	13.0	12
SALSA	13.0	1	5.5	2.0	8.0	12.5	20.0	2.0	20.0	18.0	11.5	11.0	22.0	3.0	21	17.0	17.0	1.0	18.5	17.0	17	10.0	16.0	2.5	4.0	10.5	1.0	13.0	1.0	13
PST-47TCR	13.0	12	9.5	14.0	15.0	9.5	9.0	19.0	12.0	9.5	4.5	18.0	13.0	10.0	13	12.0	10.0	10.0	4.0	10.0	13	10.0	18.5	16.0	16.0	7.0	13.0	6.5	20.0	14
DGSC 94	16.5	9	17.0	3.0	13.0	19.0	7.0	11.0	13.5	12.5	14.0	12.0	15.0	7.5	15	16.0	12.0	15.5	18.5	6.0	16	4.0	17.0	13.5	12.5	19.0	9.0	15.0	17.0	15
SRX 52LAV	16.5	6	15.5	4.0	11.0	9.5	18.0	12.0	9.5	19.0	18.0	1.0	15.0	20.5	14	18.0	19.0	21.0	7.5	20.0	18	4.0	3.5	20.0	6.0	17.0	17.0	21.0	15.0	16
ASC 082	13.0	9	18.0	19.0	16.0	16.0	15.5	18.0	15.0	16.5	17.0	15.0	18.0	22.0	9	9.5	18.0	20.0	7.5	13.0	15	16.5	11.0	19.0	20.0	4.0	20.5	19.5	21.0	17
ASC 087	18.0	12	12.5	21.0	20.0	17.0	17.0	15.5	17.0	15.0	15.0	7.5	20.0	15.0	22	20.0	14.0	15.5	13.0	8.0	13	20.5	18.5	17.0	9.0	17.0	11.0	16.0	18.0	18
SHADEMARK	19.0	14	22.0	20.0	19.0	15.0	19.0	15.5	18.5	20.0	19.0	17.0	17.0	6.0	12	19.0	16.0	13.5	22.0	10.0	19	16.5	14.0	15.0	18.0	13.5	18.0	17.5	19.0	19
ASC 172	20.0	22	20.0	22.0	21.0	22.0	15.5	21.0	18.5	9.5	20.0	22.0	12.0	20.5	19	15.0	20.0	22.0	16.0	19.0	20	22.0	20.0	22.0	22.0	21.0	19.0	22.0	22.0	20
BOREAL	22.0	19	19.0	13.0	18.0	21.0	21.0	20.0	22.0	21.0	21.0	21.0	19.0	1.0	17	22.0	21.0	13.5	16.0	21.0	22	20.5	21.0	21.0	14.0	22.0	22.0	17.5	15.0	21
COMMON CREEPING RED	21.0	19	21.0	7.0	22.0	20.0	22.0	22.0	21.0	22.0	22.0	19.5	21.0	9.0	20	21.0	22.0	19.0	21.0	22.0	21	16.5	22.0	18.0	19.0	20.0	20.5	19.5	9.5	22

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 3E.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
4001	4.0	7.5	2.0	6.0	5.0	1.0	3.5	5.0	1.0	2.5	1.0	11.0	8.0	13.0	15.0	1.0	3.0	9.0	4.0	15.0	1.0	2.0	1.0	7.5	2.0	1.0	3.5	1.0	1.0	1
ABT-HF1	6.0	1.5	1.0	10.0	10.0	11.0	1.5	3.0	2.0	6.0	10.0	8.0	23.0	14.0	2.0	3.0	2.0	14.0	21.0	17.0	2.0	9.5	7.0	6.0	3.0	2.0	13.0	2.0	19.5	2
OXFORD	1.0	1.5	3.0	4.0	2.0	6.0	3.5	12.0	4.5	8.5	2.0	20.5	3.5	18.5	3.0	7.0	4.0	3.0	4.0	2.0	16.5	19.5	11.0	2.0	15.0	5.0	1.0	3.0	10.0	3
SRX 3961	5.0	17.0	5.5	19.0	3.0	13.5	1.5	8.0	17.0	19.5	7.0	1.0	8.0	18.5	7.0	2.0	1.0	7.5	17.5	12.0	3.0	9.5	4.0	4.0	11.5	9.0	16.5	4.0	10.0	4
BAR HF 8 FUS	3.0	12.5	13.0	12.0	10.0	2.5	6.0	6.0	6.0	8.5	14.5	23.5	1.0	10.5	4.0	11.0	13.0	24.0	1.5	7.5	14.0	9.5	3.0	11.0	6.5	15.0	5.0	7.0	4.5	5
NORDIC (E)	12.0	3.5	9.5	10.0	6.5	18.0	14.0	19.0	17.0	10.5	10.0	23.5	2.0	2.0	1.0	10.0	8.0	4.0	8.5	22.0	4.0	2.0	8.5	14.0	10.0	16.5	6.5	11.5	2.5	6
ABT-HF-2	12.0	7.5	23.0	10.0	17.0	24.0	10.5	9.0	13.0	10.5	10.0	17.0	5.0	12.0	10.0	4.0	5.5	19.0	8.5	10.0	10.0	9.5	2.0	11.0	9.0	3.0	16.5	8.0	17.5	7
ISI FL 12	8.5	22.0	22.0	13.0	1.0	8.5	5.0	14.0	4.5	4.0	3.5	7.0	10.5	7.0	16.0	16.0	13.0	14.0	1.5	4.0	18.0	9.5	8.5	17.0	20.0	7.0	13.0	11.5	14.5	8
ISI FL 11	2.0	23.0	17.5	7.0	22.0	7.0	8.5	20.0	3.0	1.0	10.0	15.5	10.5	16.5	5.0	12.0	11.0	12.0	17.5	1.0	14.0	9.5	6.0	11.0	22.0	20.0	2.0	21.0	13.0	9
AHF 009	18.5	15.5	4.0	4.0	19.0	13.5	7.0	1.5	9.5	13.5	6.0	6.0	15.5	10.5	22.0	19.0	15.0	1.0	21.0	5.5	19.0	9.5	15.5	24.0	19.0	4.0	9.0	13.5	8.0	10
ABT-HF-4	16.0	18.5	5.5	8.0	10.0	2.5	22.0	11.0	8.0	13.5	16.0	4.5	19.5	7.0	18.0	5.0	9.0	11.0	8.5	19.0	14.0	19.5	20.0	4.0	23.0	21.0	18.5	9.5	6.0	11
DISCOVERY	15.0	12.5	20.5	15.5	12.0	16.0	8.5	22.0	7.0	17.0	20.5	20.5	6.0	16.5	6.0	13.5	5.5	14.0	17.5	20.5	5.5	9.5	15.5	20.0	11.5	16.5	13.0	9.5	16.0	12
RELIANT II	22.0	20.5	20.5	2.0	14.0	22.0	12.0	21.0	11.0	5.0	14.5	9.5	22.0	7.0	13.5	8.0	10.0	5.0	13.5	7.5	20.0	19.5	17.0	1.0	13.0	11.5	23.0	6.0	2.5	13
OSPREY	7.0	14.0	24.0	4.0	8.0	13.5	10.5	1.5	17.0	23.0	24.0	13.0	8.0	20.0	19.0	18.0	7.0	10.0	21.0	23.5	10.0	9.5	18.0	21.5	6.5	6.0	9.0	5.0	10.0	14
PICK FF A-97	18.5	18.5	17.5	21.5	4.0	8.5	20.0	17.0	21.0	22.0	3.5	13.0	3.5	7.0	8.0	13.5	20.0	20.5	8.5	15.0	10.0	19.5	14.0	19.0	15.0	8.0	9.0	20.0	14.5	15
ABT-HF-3	21.0	6.0	7.0	21.5	20.0	19.0	16.5	13.0	13.0	15.0	10.0	2.5	13.0	7.0	9.0	6.0	13.0	2.0	17.5	18.0	7.0	19.5	24.0	9.0	24.0	18.0	18.5	17.0	21.0	16
ATTILA E	12.0	11.0	15.0	15.5	24.0	5.0	24.0	7.0	17.0	19.5	18.0	9.5	24.0	1.0	20.5	15.0	19.0	6.0	4.0	3.0	22.0	24.0	19.0	15.5	4.0	13.0	13.0	15.0	4.5	17
SCALDIS	17.0	10.0	11.0	17.0	21.0	20.0	23.0	15.0	21.0	12.0	13.0	20.5	19.5	3.0	23.0	22.0	24.0	17.5	13.5	12.0	8.0	2.0	10.0	7.5	5.0	10.0	20.0	23.0	17.5	18
HERON	8.5	9.0	9.5	14.0	13.0	10.0	20.0	16.0	24.0	18.0	5.0	18.0	12.0	15.0	17.0	20.5	18.0	20.5	8.5	12.0	5.5	19.5	21.0	4.0	8.0	24.0	24.0	16.0	12.0	19
RESCUE 911	12.0	5.0	17.5	23.5	6.5	13.5	16.5	24.0	17.0	16.0	23.0	4.5	15.5	21.0	11.0	9.0	22.5	7.5	13.5	20.5	16.5	9.5	12.5	18.0	15.0	11.5	22.0	22.0	24.0	20
MB-82	23.5	15.5	13.0	20.0	18.0	23.0	18.0	4.0	21.0	2.5	18.0	2.5	14.0	23.5	12.0	23.0	17.0	22.5	8.5	23.5	21.0	19.5	5.0	13.0	17.0	22.0	13.0	13.5	19.5	21
SCALDIS II (AHF 008)	12.0	20.5	17.5	18.0	15.0	17.0	14.0	10.0	9.5	7.0	22.0	15.5	21.0	23.5	13.5	24.0	21.0	16.0	13.5	5.5	12.0	9.5	23.0	21.5	1.0	19.0	6.5	18.0	7.0	22
DEFIANT	20.0	24.0	13.0	23.5	16.0	4.0	14.0	23.0	13.0	21.0	20.5	13.0	17.5	4.0	24.0	17.0	16.0	22.5	23.5	9.0	23.0	19.5	12.5	15.5	18.0	14.0	3.5	19.0	22.0	23
BIGHORN	23.5	3.5	8.0	1.0	23.0	21.0	20.0	18.0	23.0	24.0	18.0	20.5	17.5	22.0	20.5	20.5	22.5	17.5	23.5	15.0	24.0	9.5	22.0	23.0	21.0	23.0	21.0	24.0	23.0	24

TABLE 3F.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS
GROWN AT TWENTY-NINE LOCATIONS (FULL SUN) IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MD1	ME1	ME2	MI1	MO1	MT1	NC1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
PST-4MB	2	1	1	1	3	1	1	2	1	1	1.0	2	3	3.5	3	2	3	5	3	3.5	2	3.5	2	3	2	2	2.5	3	1	1
MINOTAUR	1	3	3	3	1	3	2	1	2	2	2.0	1	4	3.5	1	1	1	2	4	5.0	1	1.5	4	2	4	1	4.0	1	3	2
QUATRO	3	4	4	4	2	4	4	3	3	3	3.5	4	1	2.0	2	3	2	1	1	3.5	4	3.5	1	1	3	3	1.0	2	2	3
SR 3200	4	2	2	2	4	2	3	3	4	4	3.5	3	5	5.0	4	4	4	3	2	2.0	3	1.5	3	4	1	4	2.5	5	4	4
SR 6000	5	5	5	5	5	5	5	5	5	5	5.0	5	2	1.0	5	5	5	4	5	1.0	5	5.0	5	5	5	5	5.0	4	5	5

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 4A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT TWO LOCATIONS (SHADE) IN THE U.S. 1/
1999 DATA

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

NAME	MI2	NE1	MEAN
QUATRO	6.8	6.7	6.8
JASPER II	6.7	6.4	6.5
BAR CHF 8 FUS2	7.8	5.0	6.4
PATHFINDER	7.1	5.6	6.4
SR 5100	6.2	6.4	6.3
AMBASSADOR	8.1	4.5	6.3
COMMON CREEPING RED	7.3	5.1	6.2
OXFORD	7.7	4.7	6.2
DAWSON E+	7.2	5.2	6.2
SALSA	6.6	5.7	6.1
ACF 092	7.7	4.6	6.1
MB-82	7.3	4.9	6.1
BRITTANY	6.8	5.3	6.1
ASC 082	7.7	4.4	6.0
BAR CF 8 FUS1	7.2	4.8	6.0
ATTILA E	6.8	5.2	6.0
ACF 083	8.1	4.0	6.0
SR 6000	6.6	5.4	6.0
BANNER III	7.0	4.9	6.0
AHF 009	6.6	5.3	5.9
ASC 087	6.3	5.5	5.9
ASR 049	6.9	4.9	5.9
ISI FL 11	6.1	5.7	5.9
MINOTAUR	6.3	5.4	5.9
INTRIGUE	5.7	6.0	5.9
MAGIC	5.7	6.0	5.8
ABT-CHW-3	5.8	5.7	5.7
BAR HF 8 FUS	6.5	5.0	5.7
SCALDIS II (AHF 008)	6.3	5.1	5.7
PICK FRC A-93	5.9	5.5	5.7
ABT-HF-3	5.4	6.0	5.7
ABT-CHW-2	4.8	6.5	5.7
DGSC 94	6.6	4.7	5.6
PST-4MB	6.5	4.7	5.6
DISCOVERY	6.1	5.1	5.6
BOREAL	6.6	4.6	5.6
JAMESTOWN II	5.8	5.3	5.6
ABT-HF-2	5.6	5.5	5.5
BAR SCF 8 FUS3	5.8	5.2	5.5
ASC 172	7.0	4.0	5.5
ABT-HF-4	5.8	5.1	5.5
SRX 3961	6.1	4.8	5.5
PST-EFL	6.0	4.9	5.4
ISI FL 12	5.6	5.2	5.4

TABLE 4A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
(CONT'D) GROWN AT TWO LOCATIONS (SHADE) IN THE U.S.
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MI2	NE1	MEAN
HERON	5.7	5.1	5.4
PST-47TCR	6.1	4.7	5.4
DEFIANT	6.3	4.4	5.4
SHADEMARK	5.9	4.8	5.3
SR 3200	5.3	5.3	5.3
LONGFELLOW II	5.8	4.8	5.3
PST-4FR	5.3	5.3	5.3
SHADOW II	5.8	4.7	5.2
4001	7.1	3.3	5.2
SANDPIPER	6.4	3.9	5.2
RELIANT II	4.3	6.0	5.1
PICK FRC 4-92	6.1	4.1	5.1
ABT-CR-2	5.3	5.0	5.1
RESCUE 911	5.6	4.6	5.1
SRX 52961	5.6	4.6	5.1
BIGHORN	5.2	5.0	5.1
ISI FRR 5	6.2	3.9	5.0
MB-63	5.1	4.9	5.0
NORDIC (E)	4.4	5.5	4.9
ABT-HF1	4.5	5.3	4.9
PICK FF A-97	5.5	4.3	4.9
ABT-CR-3	4.8	5.0	4.9
ISI FRR 7	5.9	3.8	4.9
BRIDGEPORT	4.1	5.7	4.9
SCALDIS	6.2	3.5	4.8
SHADEMASTER II	5.7	4.0	4.8
OSPREY	5.0	4.6	4.8
SEABREEZE	4.1	5.4	4.7
ABT-CHW-1	5.3	4.0	4.7
FLORENTINE	5.1	4.2	4.7
TIFFANY	5.1	3.7	4.4
TREAZURE (E)	3.4	5.3	4.4
CULOMBRA	4.8	3.9	4.4
SRX 52LAV	5.1	3.5	4.3
PST-4HM	6.5	2.0	4.3
LSD VALUE	0.9	2.1	1.1
C.V. (%)	9.5	26.4	18.3

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

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

TABLE 4B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT TWO LOCATIONS (SHADE) IN THE U.S. 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MI2	NE1	MEAN
BAR CHF 8 FUS2	7.8	5.0	6.4
SR 5100	6.2	6.4	6.3
AMBASSADOR	8.1	4.5	6.3
ACF 092	7.7	4.6	6.1
BRITTANY	6.8	5.3	6.1
ACF 083	8.1	4.0	6.0
BANNER III	7.0	4.9	6.0
INTRIGUE	5.7	6.0	5.9
MAGIC	5.7	6.0	5.8
ABT-CHW-3	5.8	5.7	5.7
PICK FRC A-93	5.9	5.5	5.7
ABT-CHW-2	4.8	6.5	5.7
JAMESTOWN II	5.8	5.3	5.6
LONGFELLOW II	5.8	4.8	5.3
SHADOW II	5.8	4.7	5.2
SANDPIPER	6.4	3.9	5.2
PICK FRC 4-92	6.1	4.1	5.1
MB-63	5.1	4.9	5.0
BRIDGEPORT	4.1	5.7	4.9
ABT-CHW-1	5.3	4.0	4.7
TIFFANY	5.1	3.7	4.4
TREAZURE (E)	3.4	5.3	4.4
CULOMBRA	4.8	3.9	4.4
PST-4HM	6.5	2.0	4.3
LSD VALUE	0.9	2.4	1.3
C.V. (%)	9.4	30.4	20.6

TABLE 4C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN AT TWO LOCATIONS (SHADE) IN THE U.S. 1/
1999 DATA

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

NAME	MI2	NE1	MEAN
DAWSON E+	7.2	5.2	6.2
ASR 049	6.9	4.9	5.9
BAR SCF 8 FUS3	5.8	5.2	5.5
SEABREEZE	4.1	5.4	4.7
LSD VALUE	0.7	0.9	0.6
C.V. (%)	7.7	10.8	9.2

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

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

TABLE 4D. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN AT TWO LOCATIONS (SHADE) IN THE U.S. 1/
1999 DATA

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

NAME	MI2	NE1	MEAN
JASPER II	6.7	6.4	6.5
PATHFINDER	7.1	5.6	6.4
COMMON CREEPING RED	7.3	5.1	6.2
SALSA	6.6	5.7	6.1
ASC 082	7.7	4.4	6.0
BAR CF 8 FUS1	7.2	4.8	6.0
ASC 087	6.3	5.5	5.9
DGSC 94	6.6	4.7	5.6
BOREAL	6.6	4.6	5.6
ASC 172	7.0	4.0	5.5
PST-EFL	6.0	4.9	5.4
PST-47TCR	6.1	4.7	5.4
SHADEMARK	5.9	4.8	5.3
PST-4FR	5.3	5.3	5.3
ABT-CR-2	5.3	5.0	5.1
SRX 52961	5.6	4.6	5.1
ISI FRR 5	6.2	3.9	5.0
ABT-CR-3	4.8	5.0	4.9
ISI FRR 7	5.9	3.8	4.9
SHADEMASTER II	5.7	4.0	4.8
FLORENTINE	5.1	4.2	4.7
SRX 52LAV	5.1	3.5	4.3
LSD VALUE	1.0	2.3	1.3
C.V. (%)	9.6	30.6	20.3

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

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

TABLE 4E. MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN AT TWO LOCATIONS (SHADE) IN THE U.S. 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MI2	NE1	MEAN
OXFORD	7.7	4.7	6.2
MB-82	7.3	4.9	6.1
ATTLA E	6.8	5.2	6.0
AHF 009	6.6	5.3	5.9
ISI FL 11	6.1	5.7	5.9
BAR HF 8 FUS	6.5	5.0	5.7
SCALDIS II (AHF 008)	6.3	5.1	5.7
ABT-HF-3	5.4	6.0	5.7
DISCOVERY	6.1	5.1	5.6
ABT-HF-2	5.6	5.5	5.5
ABT-HF-4	5.8	5.1	5.5
SRX 3961	6.1	4.8	5.5
ISI FL 12	5.6	5.2	5.4
HERON	5.7	5.1	5.4
DEFIANT	6.3	4.4	5.4
4001	7.1	3.3	5.2
RELIANT II	4.3	6.0	5.1
RESCUE 911	5.6	4.6	5.1
BIGHORN	5.2	5.0	5.1
NORDIC (E)	4.4	5.5	4.9
ABT-HF1	4.5	5.3	4.9
PICK FF A-97	5.5	4.3	4.9
SCALDIS	6.2	3.5	4.8
OSPREY	5.0	4.6	4.8
LSD VALUE	0.9	1.8	1.0
C.V. (%)	9.7	22.8	16.5

TABLE 4F. MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS
GROWN AT TWO LOCATIONS (SHADE) IN THE U.S. 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MI2	NE1	MEAN
QUATRO	6.8	6.7	6.8
SR 6000	6.6	5.4	6.0
MINOTAUR	6.3	5.4	5.9
PST-4MB	6.5	4.7	5.6
SR 3200	5.3	5.3	5.3
LSD VALUE	1.1	1.0	0.7
C.V. (%)	10.4	11.4	10.9

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

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

TABLE 5A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH MONTH GROWN AT MADISON (FAIRWAY TRAFFIC), WI 1/ 1999 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SALSA	6.0	6.7	8.0	7.7	7.3	8.0	8.3	7.4
JASPER II	6.3	7.3	7.3	7.7	7.7	7.7	7.7	7.4
TREAZURE (E)	6.7	7.0	7.7	7.7	7.3	7.3	8.0	7.4
AMBASSADOR	6.7	7.3	7.7	7.3	7.7	7.0	7.7	7.3
ABT-CHW-3	7.0	7.3	8.0	6.7	7.3	7.3	7.3	7.3
BRIDGEPORT	6.7	6.7	8.0	7.0	7.3	7.3	8.0	7.3
LONGFELLOW II	6.3	7.0	8.0	7.3	7.3	7.3	7.7	7.3
PATHFINDER	6.7	7.3	7.0	7.0	7.7	7.3	8.0	7.3
TIFFANY	7.3	6.7	8.3	7.0	7.3	7.0	7.0	7.2
MAGIC	6.7	7.0	7.7	7.0	7.3	7.0	7.7	7.2
ABT-CHW-2	7.3	6.7	8.0	7.0	7.0	6.7	7.7	7.2
PICK FRC 4-92	6.0	6.7	7.3	7.3	7.7	7.3	8.0	7.2
SRX 52961	6.0	6.7	7.3	7.3	7.7	7.3	8.0	7.2
SR 5100	6.7	6.7	7.7	7.0	7.0	7.3	7.7	7.1
INTRIGUE	6.0	7.3	7.7	6.7	7.3	7.3	7.7	7.1
ABT-CHW-1	6.3	6.7	7.7	6.7	7.7	7.0	7.7	7.1
BAR CHF 8 FUS2	6.0	7.3	7.7	6.7	7.0	7.0	7.7	7.0
SANDPIPER	6.7	7.0	7.3	6.7	7.0	6.7	8.0	7.0
ACF 083	6.0	6.7	7.3	7.3	7.3	7.0	7.3	7.0
BANNER III	5.7	6.7	7.7	7.0	7.0	7.0	8.0	7.0
PST-EFL	5.7	7.0	7.3	7.0	7.7	6.7	7.7	7.0
ABT-CR-2	6.0	7.0	7.0	6.7	7.7	7.0	7.3	7.0
ASR 049	6.0	6.7	7.0	7.0	7.0	7.3	7.7	7.0
BAR SCF 8 FUS3	6.0	6.7	7.3	7.0	7.0	7.0	7.7	7.0
MB-63	6.0	6.7	7.3	7.0	6.7	7.3	7.7	7.0
BRITTANY	6.0	7.0	7.7	6.7	7.0	6.3	7.7	6.9
ISI FRR 5	6.0	6.0	7.0	7.0	7.7	7.0	7.7	6.9
JAMESTOWN II	6.3	6.7	7.7	6.7	7.3	6.7	7.0	6.9
SHADOW II	6.3	6.7	7.3	7.0	7.3	6.7	7.0	6.9
SRX 52LAV	6.7	6.3	7.0	6.7	7.3	6.7	7.7	6.9
SEABREEZE	6.3	6.3	7.3	7.0	7.0	6.7	7.3	6.9
SHADEMASTER II	6.0	6.7	7.0	6.7	7.3	6.7	7.7	6.9
SRX 3961	5.3	6.3	7.3	6.7	7.7	7.0	7.7	6.9
ACF 092	6.0	7.0	7.0	6.7	7.0	7.0	7.3	6.9
ISI FRR 7	5.7	6.7	7.0	7.0	7.3	7.0	7.3	6.9
CULOMBRA	5.3	6.3	7.7	7.0	7.0	7.0	7.3	6.8
DAWSON E+	6.0	6.3	6.7	6.3	7.3	7.3	7.7	6.8
BOREAL	7.3	7.0	6.3	6.0	6.7	6.7	7.3	6.8
RELIANT II	5.7	6.3	7.0	6.7	7.3	6.7	7.7	6.8
COMMON CREEPING RED	7.3	7.0	6.7	6.3	6.3	6.3	7.0	6.7
FLORENTINE	6.0	6.3	6.7	6.7	7.3	6.7	7.3	6.7
ASC 087	5.3	6.7	6.7	7.0	7.0	6.7	7.3	6.7
DGSC 94	6.3	6.3	7.0	6.7	7.0	6.3	7.0	6.7
ABT-CR-3	5.3	6.3	7.0	6.7	7.3	6.7	7.0	6.6
BAR CF 8 FUS1	6.0	5.7	6.7	6.7	7.0	6.7	7.7	6.6

TABLE 5A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH
(CONT'D) MONTH GROWN AT MADISON (FAIRWAY TRAFFIC), WI
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS								
NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PST-47TCR	5.0	6.0	7.0	7.0	7.3	6.7	7.3	6.6
DISCOVERY	6.7	6.3	7.0	6.0	7.3	6.0	6.7	6.6
PST-4FR	5.0	6.3	7.0	7.0	7.3	6.7	6.7	6.6
SCALDIS II (AHF 008)	6.7	6.7	7.0	6.7	6.7	5.7	6.7	6.6
HERON	6.7	6.0	7.0	6.0	6.7	6.3	7.0	6.5
ABT-HF-3	4.7	6.0	7.0	6.7	7.0	6.3	7.7	6.5
ABT-HF-4	5.7	5.7	7.0	6.7	6.7	6.7	7.0	6.5
ISI FL 11	6.3	6.3	7.0	6.3	6.7	6.0	6.7	6.5
SHADEMARK	5.7	6.0	6.7	6.0	7.0	6.7	7.0	6.4
4001	5.3	6.0	7.0	7.0	6.7	6.3	6.7	6.4
AHF 009	5.7	6.3	7.0	6.3	7.0	6.0	6.7	6.4
BAR HF 8 FUS	5.3	6.7	6.7	6.3	6.7	6.0	7.3	6.4
OXFORD	5.0	6.0	6.7	6.3	7.0	6.7	7.3	6.4
ATTILA E	5.7	6.0	7.0	6.7	6.7	6.0	6.7	6.4
SR 3200	7.0	6.3	6.7	6.0	6.0	6.0	6.7	6.4
ABT-HF1	5.3	5.7	6.7	6.3	6.7	6.7	6.7	6.3
MINOTAUR	5.3	6.3	7.0	6.3	6.3	6.0	6.7	6.3
PST-4HM	5.0	5.7	6.7	6.3	7.0	6.0	7.3	6.3
ISI FL 12	6.0	6.0	6.7	6.0	6.3	6.0	6.7	6.2
PICK FRC A-93	5.3	6.7	7.0	6.3	6.3	5.7	6.3	6.2
NORDIC (E)	4.7	5.7	6.7	6.0	7.0	6.3	7.0	6.2
BIGHORN	4.3	5.7	6.7	6.7	7.0	6.0	6.7	6.1
OSPREY	4.7	6.0	7.0	5.7	6.3	6.3	7.0	6.1
PICK FF A-97	4.3	5.7	6.7	6.3	6.7	6.3	7.0	6.1
PST-4MB	5.0	5.3	7.0	6.3	6.3	6.0	7.0	6.1
SCALDIS	5.3	6.3	7.0	5.7	5.7	6.3	6.7	6.1
RESCUE 911	5.0	5.3	6.7	6.0	6.3	6.0	7.0	6.0
QUATRO	5.0	5.7	6.7	5.7	6.7	5.7	7.0	6.0
SR 6000	6.7	6.0	7.3	5.3	6.0	5.0	6.0	6.0
DEFIANT	4.0	5.3	6.7	6.3	6.7	6.3	6.7	6.0
ASC 082	4.3	6.0	6.0	6.0	6.3	6.0	7.0	6.0
ASC 172	5.0	6.0	6.0	5.7	6.0	6.0	6.7	5.9
ABT-HF-2	4.0	5.3	6.3	5.7	6.7	6.0	6.3	5.8
MB-82	3.3	5.7	6.0	6.0	6.0	5.7	6.0	5.5
LSD VALUE	1.9	1.2	0.7	0.8	1.0	0.9	1.0	0.7
C.V. (%)	20.6	11.3	6.5	7.3	8.7	8.3	8.4	6.1

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

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

TABLE 5B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS FOR EACH MONTH GROWN AT MADISON (FAIRWAY TRAFFIC), WI 1/ 1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
TREAZURE (E)	6.7	7.0	7.7	7.7	7.3	7.3	8.0	7.4
AMBASSADOR	6.7	7.3	7.7	7.3	7.7	7.0	7.7	7.3
ABT-CHW-3	7.0	7.3	8.0	6.7	7.3	7.3	7.3	7.3
BRIDGEPORT	6.7	6.7	8.0	7.0	7.3	7.3	8.0	7.3
LONGFELLOW II	6.3	7.0	8.0	7.3	7.3	7.3	7.7	7.3
TIFFANY	7.3	6.7	8.3	7.0	7.3	7.0	7.0	7.2
MAGIC	6.7	7.0	7.7	7.0	7.3	7.0	7.7	7.2
ABT-CHW-2	7.3	6.7	8.0	7.0	7.0	6.7	7.7	7.2
PICK FRC 4-92	6.0	6.7	7.3	7.3	7.7	7.3	8.0	7.2
SR 5100	6.7	6.7	7.7	7.0	7.0	7.3	7.7	7.1
INTRIGUE	6.0	7.3	7.7	6.7	7.3	7.3	7.7	7.1
ABT-CHW-1	6.3	6.7	7.7	6.7	7.7	7.0	7.7	7.1
BAR CHF 8 FUS2	6.0	7.3	7.7	6.7	7.0	7.0	7.7	7.0
SANDPIPER	6.7	7.0	7.3	6.7	7.0	6.7	8.0	7.0
ACF 083	6.0	6.7	7.3	7.3	7.3	7.0	7.3	7.0
BANNER III	5.7	6.7	7.7	7.0	7.0	7.0	8.0	7.0
MB-63	6.0	6.7	7.3	7.0	6.7	7.3	7.7	7.0
BRITTANY	6.0	7.0	7.7	6.7	7.0	6.3	7.7	6.9
JAMESTOWN II	6.3	6.7	7.7	6.7	7.3	6.7	7.0	6.9
SHADOW II	6.3	6.7	7.3	7.0	7.3	6.7	7.0	6.9
ACF 092	6.0	7.0	7.0	6.7	7.0	7.0	7.3	6.9
CULOMBRA	5.3	6.3	7.7	7.0	7.0	7.0	7.3	6.8
PST-4HM	5.0	5.7	6.7	6.3	7.0	6.0	7.3	6.3
PICK FRC A-93	5.3	6.7	7.0	6.3	6.3	5.7	6.3	6.2
LSD VALUE	1.9	1.2	0.8	0.7	0.9	0.8	0.8	0.5
C.V. (%)	19.0	10.8	6.6	6.6	7.5	7.0	6.8	4.7

TABLE 5C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS FOR EACH MONTH GROWN AT MADISON (FAIRWAY TRAFFIC), WI 1/ 1999 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
ASR 049	6.0	6.7	7.0	7.0	7.0	7.3	7.7	7.0
BAR SCF 8 FUS3	6.0	6.7	7.3	7.0	7.0	7.0	7.7	7.0
SEABREEZE	6.3	6.3	7.3	7.0	7.0	6.7	7.3	6.9
DAWSON E+	6.0	6.3	6.7	6.3	7.3	7.3	7.7	6.8
LSD VALUE	1.9	1.5	0.8	0.5	0.5	1.4	0.9	0.7
C.V. (%)	19.0	14.0	7.1	4.2	4.1	12.2	7.6	6.0

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

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

TABLE 5D. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS FOR EACH MONTH GROWN AT MADISON (FAIRWAY TRAFFIC), WI 1/ 1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/							MEAN
	APR	MAY	JUN	JUL	AUG	SEP	OCT	
SALSA	6.0	6.7	8.0	7.7	7.3	8.0	8.3	7.4
JASPER II	6.3	7.3	7.3	7.7	7.7	7.7	7.7	7.4
PATHFINDER	6.7	7.3	7.0	7.0	7.7	7.3	8.0	7.3
SRX 52961	6.0	6.7	7.3	7.3	7.7	7.3	8.0	7.2
EST-EFL	5.7	7.0	7.3	7.0	7.7	6.7	7.7	7.0
ABT-CR-2	6.0	7.0	7.0	6.7	7.7	7.0	7.3	7.0
ISI FRR 5	6.0	6.0	7.0	7.0	7.7	7.0	7.7	6.9
SRX 52LAV	6.7	6.3	7.0	6.7	7.3	6.7	7.7	6.9
SHADEMASTER II	6.0	6.7	7.0	6.7	7.3	6.7	7.7	6.9
ISI FRR 7	5.7	6.7	7.0	7.0	7.3	7.0	7.3	6.9
BOREAL	7.3	7.0	6.3	6.0	6.7	6.7	7.3	6.8
COMMON CREEPING RED	7.3	7.0	6.7	6.3	6.3	6.3	7.0	6.7
FLORENTINE	6.0	6.3	6.7	6.7	7.3	6.7	7.3	6.7
ASC 087	5.3	6.7	6.7	7.0	7.0	6.7	7.3	6.7
DGSC 94	6.3	6.3	7.0	6.7	7.0	6.3	7.0	6.7
ABT-CR-3	5.3	6.3	7.0	6.7	7.3	6.7	7.0	6.6
EAR CF 8 FUS1	6.0	5.7	6.7	6.7	7.0	6.7	7.7	6.6
EST-47TCR	5.0	6.0	7.0	7.0	7.3	6.7	7.3	6.6
EST-4FR	5.0	6.3	7.0	7.0	7.3	6.7	6.7	6.6
SHADEMARK	5.7	6.0	6.7	6.0	7.0	6.7	7.0	6.4
ASC 082	4.3	6.0	6.0	6.0	6.3	6.0	7.0	6.0
ASC 172	5.0	6.0	6.0	5.7	6.0	6.0	6.7	5.9
LSD VALUE	1.5	1.1	0.8	0.7	1.1	1.0	1.1	0.6
C.V. (%)	15.3	10.5	6.9	6.3	9.2	9.1	9.1	5.4

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

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

TABLE 5E. MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS FOR EACH MONTH GROWN AT MADISON (FAIRWAY TRAFFIC), WI 1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS								
NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SRX 3961	5.3	6.3	7.3	6.7	7.7	7.0	7.7	6.9
RELIANT II	5.7	6.3	7.0	6.7	7.3	6.7	7.7	6.8
DISCOVERY	6.7	6.3	7.0	6.0	7.3	6.0	6.7	6.6
SCALDIS II (AHF 008)	6.7	6.7	7.0	6.7	6.7	5.7	6.7	6.6
HERON	6.7	6.0	7.0	6.0	6.7	6.3	7.0	6.5
ABT-HF-3	4.7	6.0	7.0	6.7	7.0	6.3	7.7	6.5
ABT-HF-4	5.7	5.7	7.0	6.7	6.7	6.7	7.0	6.5
ISI FL 11	6.3	6.3	7.0	6.3	6.7	6.0	6.7	6.5
4001	5.3	6.0	7.0	7.0	6.7	6.3	6.7	6.4
AHF 009	5.7	6.3	7.0	6.3	7.0	6.0	6.7	6.4
BAR HF 8 FUS	5.3	6.7	6.7	6.3	6.7	6.0	7.3	6.4
OXFORD	5.0	6.0	6.7	6.3	7.0	6.7	7.3	6.4
ATTILA E	5.7	6.0	7.0	6.7	6.7	6.0	6.7	6.4
ABT-HF1	5.3	5.7	6.7	6.3	6.7	6.7	6.7	6.3
ISI FL 12	6.0	6.0	6.7	6.0	6.3	6.0	6.7	6.2
NORDIC (E)	4.7	5.7	6.7	6.0	7.0	6.3	7.0	6.2
BIGHORN	4.3	5.7	6.7	6.7	7.0	6.0	6.7	6.1
OSPREY	4.7	6.0	7.0	5.7	6.3	6.3	7.0	6.1
PICK FF A-97	4.3	5.7	6.7	6.3	6.7	6.3	7.0	6.1
SCALDIS	5.3	6.3	7.0	5.7	5.7	6.3	6.7	6.1
RESCUE 911	5.0	5.3	6.7	6.0	6.3	6.0	7.0	6.0
DEFIANT	4.0	5.3	6.7	6.3	6.7	6.3	6.7	6.0
ABT-HF-2	4.0	5.3	6.3	5.7	6.7	6.0	6.3	5.8
MB-82	3.3	5.7	6.0	6.0	6.0	5.7	6.0	5.5
LSD VALUE	2.4	1.2	0.6	0.9	1.1	0.8	1.0	0.8
C.V. (%)	28.5	12.6	5.7	9.0	10.1	8.5	8.7	7.9

TABLE 5F. MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS FOR EACH MONTH GROWN AT MADISON (FAIRWAY TRAFFIC), WI 1/ 1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/								
NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SR 3200	7.0	6.3	6.7	6.0	6.0	6.0	6.7	6.4
MINOTAUR	5.3	6.3	7.0	6.3	6.3	6.0	6.7	6.3
PST-4MB	5.0	5.3	7.0	6.3	6.3	6.0	7.0	6.1
QUATRO	5.0	5.7	6.7	5.7	6.7	5.7	7.0	6.0
SR 6000	6.7	6.0	7.3	5.3	6.0	5.0	6.0	6.0
LSD VALUE	1.2	0.8	0.7	0.8	0.7	0.4	1.2	0.6
C.V. (%)	12.6	8.7	6.5	8.7	7.1	4.5	11.0	6.5

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

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

TABLE 6A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH MONTH GROWN AT RALEIGH (NO IRRIGATION), NC 1/ 1999 DATA

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

NAME	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BAR CHF 8 FUS2	5.0	7.0	6.7	6.0	6.3	6.3	7.0	6.3
INTRIGUE	4.0	4.3	5.0	6.0	6.7	6.7	7.7	5.8
PICK FRC 4-92	5.0	5.3	5.3	5.3	5.7	6.3	7.3	5.8
BRIDGEPORT	5.0	6.0	5.0	5.0	5.7	5.7	6.7	5.6
CULOMBRA	4.7	5.7	5.0	4.7	5.7	5.7	7.0	5.5
MAGIC	4.3	6.0	5.0	5.0	5.3	5.7	7.0	5.5
TIFFANY	4.3	5.0	5.0	5.3	6.0	6.0	6.3	5.4
JASPER II	4.7	5.0	5.0	5.3	5.7	5.7	6.0	5.3
LONGFELLOW II	4.3	5.7	4.7	5.0	5.0	6.0	6.7	5.3
PICK FRC A-93	3.7	5.0	4.7	5.0	6.3	6.0	6.7	5.3
SR 5100	5.0	6.3	5.0	5.0	5.0	5.0	6.0	5.3
ABT-CHW-2	4.0	5.0	5.0	4.7	5.7	6.0	6.7	5.3
AMBASSADOR	4.0	5.3	4.7	5.0	6.0	5.7	6.3	5.3
BRITTANY	4.3	5.0	4.7	4.7	6.0	5.3	7.0	5.3
FLORENTINE	3.7	5.3	5.0	5.0	5.3	5.7	6.7	5.2
ISI FRR 5	5.0	5.7	5.0	4.7	5.3	5.0	6.0	5.2
PST-EFL	4.7	4.7	4.3	5.0	6.0	6.0	6.0	5.2
ABT-CR-2	4.3	4.7	5.0	5.0	5.3	5.7	6.0	5.1
MB-63	4.7	4.7	4.7	5.0	5.0	5.3	6.7	5.1
OXFORD	4.3	5.0	5.0	5.0	5.7	5.3	5.7	5.1
TREAZURE (E)	3.7	4.7	5.0	4.7	5.0	6.0	7.0	5.1
SRX 3961	3.3	5.0	5.7	5.3	5.3	5.3	5.7	5.1
PST-4FR	4.3	4.7	4.7	5.0	5.7	5.3	5.7	5.0
PATHFINDER	4.0	4.7	4.7	5.0	5.7	5.3	6.0	5.0
ABT-CHW-3	4.0	4.7	4.7	5.0	4.7	5.3	6.3	5.0
SHADOW II	4.3	4.7	4.3	4.7	5.0	5.3	6.3	5.0
SRX 52961	4.0	6.0	4.7	4.7	4.7	5.0	5.7	5.0
ISI FRR 7	4.3	5.0	4.3	5.0	5.0	5.3	5.7	5.0
SEABREEZE	4.3	5.7	5.0	4.7	4.7	4.7	5.7	5.0
SANDPIPER	4.3	5.3	4.7	4.0	5.0	5.0	6.0	4.9
ISI FL 12	3.7	4.3	5.0	5.0	5.0	5.0	6.3	4.9
BANNER III	4.7	5.0	4.0	4.0	4.7	5.3	6.3	4.9
BAR HF 8 FUS	3.3	4.7	4.7	5.0	5.3	5.0	6.0	4.9
SHADEMASTER II	4.7	4.7	4.0	4.7	5.0	5.0	6.0	4.9
ACF 083	4.7	5.0	4.0	4.7	5.0	4.7	5.7	4.8
ACF 092	5.0	5.3	4.0	4.3	4.7	4.7	5.7	4.8
DGSC 94	4.7	5.0	4.7	4.7	4.7	4.3	5.7	4.8
BAR CF 8 FUS1	4.7	4.7	4.7	4.3	4.3	4.7	5.7	4.7
ISI FL 11	4.7	5.7	5.3	4.3	4.0	4.0	5.0	4.7
SRX 52LAV	4.0	4.7	5.0	4.7	4.7	4.7	5.3	4.7
ASC 082	4.3	4.7	4.3	4.3	4.7	5.0	5.3	4.7
BIGHORN	4.3	4.3	5.0	5.0	4.7	4.3	5.0	4.7
JAMESTOWN II	4.3	5.3	5.3	4.3	4.3	3.7	5.3	4.7
PICK FF A-97	4.7	5.7	5.0	4.7	4.3	4.0	4.3	4.7

TABLE 6A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH MONTH GROWN AT RALEIGH (NO IRRIGATION), NC
(CONT'D) 1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS								
NAME	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PST-4MB	3.7	4.0	4.7	5.0	4.3	5.3	5.7	4.7
RESCUE 911	5.0	5.3	4.0	4.7	4.3	4.3	5.0	4.7
ABT-CR-3	4.0	5.0	4.7	4.3	4.7	4.7	5.0	4.6
ABT-HF-4	4.0	4.3	4.7	5.0	4.3	4.7	5.3	4.6
ABT-HF1	4.3	4.7	5.0	4.3	4.0	4.7	5.3	4.6
PST-47TCR	3.3	4.0	4.0	5.0	5.0	5.3	5.7	4.6
4001	4.3	4.7	4.7	4.7	4.3	4.3	5.0	4.6
ASC 087	4.3	4.3	4.0	4.3	4.3	4.7	6.0	4.6
HERON	3.7	4.0	4.7	4.7	4.7	4.7	5.3	4.5
MINOTAUR	3.3	3.7	4.3	4.7	5.0	5.3	5.3	4.5
SHADEMARK	3.7	4.3	4.3	5.0	4.7	4.7	5.0	4.5
AHF 009	3.7	4.7	4.7	5.0	4.3	4.3	5.0	4.5
ABT-HF-2	4.3	4.3	4.7	4.7	4.3	4.3	4.7	4.5
BAR SCF 8 FUS3	3.7	4.3	4.7	4.3	4.3	4.3	5.7	4.5
QUATRO	4.7	4.7	5.0	4.7	4.3	3.3	4.0	4.4
ASC 172	4.0	4.7	4.3	4.3	4.3	4.0	4.7	4.3
ASR 049	3.3	3.7	4.0	4.7	5.0	4.3	5.3	4.3
ATTILA E	3.7	4.7	4.3	4.3	4.7	4.0	4.7	4.3
NORDIC (E)	4.3	4.7	4.3	4.3	4.3	4.0	4.3	4.3
RELIANT II	4.0	3.3	3.7	4.3	4.3	5.0	5.7	4.3
DISCOVERY	3.7	4.3	4.3	4.3	4.3	4.3	4.7	4.3
SCALDIS	4.0	4.7	4.7	4.7	4.0	3.7	4.3	4.3
SR 3200	4.0	4.7	4.0	4.3	4.0	3.7	4.3	4.1
ABT-HF-3	4.0	4.0	4.7	4.3	4.0	3.7	4.3	4.1
DAWSON E+	3.3	5.0	4.7	4.3	3.3	3.7	4.3	4.1
SCALDIS II (AHF 008)	3.0	3.3	3.7	4.7	5.0	4.0	4.0	4.0
PST-4HM	3.0	3.3	4.0	4.0	3.7	4.3	5.0	3.9
OSPREY	3.0	3.7	3.7	4.0	4.3	4.0	4.3	3.9
SALSA	4.0	4.7	3.3	3.7	3.7	3.7	4.0	3.9
COMMON CREEPING RED	4.7	4.3	3.3	3.3	3.0	3.3	3.7	3.7
BOREAL	5.0	4.7	3.3	3.0	2.7	3.0	3.3	3.6
MB-82	3.0	3.0	3.3	3.7	4.0	3.3	4.3	3.5
DEFIANT	3.3	3.0	3.3	3.7	4.0	3.3	3.3	3.4
SR 6000	2.7	2.7	2.3	2.0	2.0	2.0	2.0	2.2
ABT-CHW-1	.	.	.	.	.	.	.	.
LSD VALUE	1.3	1.6	1.9	2.1	1.6	1.7	2.0	1.3
C.V. (%)	20.1	20.7	25.4	27.9	21.2	21.5	22.7	17.4

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

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

TABLE 6B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS FOR EACH MONTH GROWN AT RALEIGH (NO IRRIGATION), NC 1/ 1999 DATA

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

NAME	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BAR CHF 8 FUS2	5.0	7.0	6.7	6.0	6.3	6.3	7.0	6.3
INTRIGUE	4.0	4.3	5.0	6.0	6.7	6.7	7.7	5.8
PICK FRC 4-92	5.0	5.3	5.3	5.3	5.7	6.3	7.3	5.8
BRIDGEPORT	5.0	6.0	5.0	5.0	5.7	5.7	6.7	5.6
CULOMBRA	4.7	5.7	5.0	4.7	5.7	5.7	7.0	5.5
MAGIC	4.3	6.0	5.0	5.0	5.3	5.7	7.0	5.5
TIFFANY	4.3	5.0	5.0	5.3	6.0	6.0	6.3	5.4
LONGFELLOW II	4.3	5.7	4.7	5.0	5.0	6.0	6.7	5.3
PICK FRC A-93	3.7	5.0	4.7	5.0	6.3	6.0	6.7	5.3
SR 5100	5.0	6.3	5.0	5.0	5.0	5.0	6.0	5.3
ABT-CHW-2	4.0	5.0	5.0	4.7	5.7	6.0	6.7	5.3
AMBASSADOR	4.0	5.3	4.7	5.0	6.0	5.7	6.3	5.3
BRITTANY	4.3	5.0	4.7	4.7	6.0	5.3	7.0	5.3
MB-63	4.7	4.7	4.7	5.0	5.0	5.3	6.7	5.1
TREAZURE (E)	3.7	4.7	5.0	4.7	5.0	6.0	7.0	5.1
ABT-CHW-3	4.0	4.7	4.7	5.0	4.7	5.3	6.3	5.0
SHADOW II	4.3	4.7	4.3	4.7	5.0	5.3	6.3	5.0
SANDPIPER	4.3	5.3	4.7	4.0	5.0	5.0	6.0	4.9
BANNER III	4.7	5.0	4.0	4.0	4.7	5.3	6.3	4.9
ACF 083	4.7	5.0	4.0	4.7	5.0	4.7	5.7	4.8
ACF 092	5.0	5.3	4.0	4.3	4.7	4.7	5.7	4.8
JAMESTOWN II	4.3	5.3	5.3	4.3	4.3	3.7	5.3	4.7
PST-4HM	3.0	3.3	4.0	4.0	3.7	4.3	5.0	3.9
ABT-CHW-1	.	.	.	.	.	.	.	.
LSD VALUE	1.4	1.7	1.8	2.0	1.6	1.5	1.8	1.3
C.V. (%)	19.5	20.1	23.5	25.1	19.1	17.4	17.3	15.3

TABLE 6C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS FOR EACH MONTH GROWN AT RALEIGH (NO IRRIGATION), NC 1/ 1999 DATA

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

NAME	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
SEABREEZE	4.3	5.7	5.0	4.7	4.7	4.7	5.7	5.0
BAR SCF 8 FUS3	3.7	4.3	4.7	4.3	4.3	4.3	5.7	4.5
ASR 049	3.3	3.7	4.0	4.7	5.0	4.3	5.3	4.3
DAWSON E+	3.3	5.0	4.7	4.3	3.3	3.7	4.3	4.1
LSD VALUE	0.9	1.6	2.1	2.5	1.6	2.0	2.5	1.5
C.V. (%)	15.7	21.4	28.2	33.9	23.1	29.6	29.1	21.4

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

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

TABLE 6D. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS FOR EACH MONTH GROWN AT RALEIGH (NO IRRIGATION), NC
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS								
NAME	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
JASPER II	4.7	5.0	5.0	5.3	5.7	5.7	6.0	5.3
FLORENTINE	3.7	5.3	5.0	5.0	5.3	5.7	6.7	5.2
ISI FRR 5	5.0	5.7	5.0	4.7	5.3	5.0	6.0	5.2
PST-EFL	4.7	4.7	4.3	5.0	6.0	6.0	6.0	5.2
ABT-CR-2	4.3	4.7	5.0	5.0	5.3	5.7	6.0	5.1
PST-4FR	4.3	4.7	4.7	5.0	5.7	5.3	5.7	5.0
PATHFINDER	4.0	4.7	4.7	5.0	5.7	5.3	6.0	5.0
SRX 52961	4.0	6.0	4.7	4.7	4.7	5.0	5.7	5.0
ISI FRR 7	4.3	5.0	4.3	5.0	5.0	5.3	5.7	5.0
SHADEMASTER II	4.7	4.7	4.0	4.7	5.0	5.0	6.0	4.9
DGSC 94	4.7	5.0	4.7	4.7	4.7	4.3	5.7	4.8
BAR CF 8 FUS1	4.7	4.7	4.7	4.3	4.3	4.7	5.7	4.7
SRX 52LAV	4.0	4.7	5.0	4.7	4.7	4.7	5.3	4.7
ASC 082	4.3	4.7	4.3	4.3	4.7	5.0	5.3	4.7
ABT-CR-3	4.0	5.0	4.7	4.3	4.7	4.7	5.0	4.6
PST-47TCR	3.3	4.0	4.0	5.0	5.0	5.3	5.7	4.6
ASC 087	4.3	4.3	4.0	4.3	4.3	4.7	6.0	4.6
SHADEMARK	3.7	4.3	4.3	5.0	4.7	4.7	5.0	4.5
ASC 172	4.0	4.7	4.3	4.3	4.3	4.0	4.7	4.3
SALSA	4.0	4.7	3.3	3.7	3.7	3.7	4.0	3.9
COMMON CREEPING RED	4.7	4.3	3.3	3.3	3.0	3.3	3.7	3.7
BOREAL	5.0	4.7	3.3	3.0	2.7	3.0	3.3	3.6
LSD VALUE	1.4	1.4	1.7	2.2	1.8	1.7	2.2	1.4
C.V. (%)	19.7	18.0	24.6	30.1	23.6	22.1	25.5	18.8

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

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

TABLE 6E. MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS FOR EACH MONTH GROWN AT RALEIGH (NO IRRIGATION), NC 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
OXFORD	4.3	5.0	5.0	5.0	5.7	5.3	5.7	5.1
SRX 3961	3.3	5.0	5.7	5.3	5.3	5.3	5.7	5.1
ISI FL 12	3.7	4.3	5.0	5.0	5.0	5.0	6.3	4.9
BAR HF 8 FUS	3.3	4.7	4.7	5.0	5.3	5.0	6.0	4.9
ISI FL 11	4.7	5.7	5.3	4.3	4.0	4.0	5.0	4.7
BIGHORN	4.3	4.3	5.0	5.0	4.7	4.3	5.0	4.7
PICK FF A-97	4.7	5.7	5.0	4.7	4.3	4.0	4.3	4.7
RESCUE 911	5.0	5.3	4.0	4.7	4.3	4.3	5.0	4.7
ABT-HF-4	4.0	4.3	4.7	5.0	4.3	4.7	5.3	4.6
ABT-HF1	4.3	4.7	5.0	4.3	4.0	4.7	5.3	4.6
4001	4.3	4.7	4.7	4.7	4.3	4.3	5.0	4.6
HERON	3.7	4.0	4.7	4.7	4.7	4.7	5.3	4.5
AHF 009	3.7	4.7	4.7	5.0	4.3	4.3	5.0	4.5
ABT-HF-2	4.3	4.3	4.7	4.7	4.3	4.3	4.7	4.5
ATTILA E	3.7	4.7	4.3	4.3	4.7	4.0	4.7	4.3
NORDIC (E)	4.3	4.7	4.3	4.3	4.3	4.0	4.3	4.3
RELIANT II	4.0	3.3	3.7	4.3	4.3	5.0	5.7	4.3
DISCOVERY	3.7	4.3	4.3	4.3	4.3	4.3	4.7	4.3
SCALDIS	4.0	4.7	4.7	4.7	4.0	3.7	4.3	4.3
ABT-HF-3	4.0	4.0	4.7	4.3	4.0	3.7	4.3	4.1
SCALDIS II (AHF 008)	3.0	3.3	3.7	4.7	5.0	4.0	4.0	4.0
OSPREY	3.0	3.7	3.7	4.0	4.3	4.0	4.3	3.9
MB-82	3.0	3.0	3.3	3.7	4.0	3.3	4.3	3.5
DEFIANT	3.3	3.0	3.3	3.7	4.0	3.3	3.3	3.4
LSD VALUE	1.2	1.6	1.9	2.0	1.5	1.6	2.0	1.2
C.V. (%)	19.8	23.3	26.4	27.4	21.0	23.6	25.2	17.3

TABLE 6F. MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS FOR EACH MONTH GROWN AT RALEIGH (NO IRRIGATION), NC 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/

NAME	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PST-4MB	3.7	4.0	4.7	5.0	4.3	5.3	5.7	4.7
MINOTAUR	3.3	3.7	4.3	4.7	5.0	5.3	5.3	4.5
QUATRO	4.7	4.7	5.0	4.7	4.3	3.3	4.0	4.4
SR 3200	4.0	4.7	4.0	4.3	4.0	3.7	4.3	4.1
SR 6000	2.7	2.7	2.3	2.0	2.0	2.0	2.0	2.2
LSD VALUE	1.7	1.5	2.0	1.9	1.2	1.7	1.4	1.3
C.V. (%)	28.2	23.7	31.1	28.6	18.6	26.3	21.0	19.6

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

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

TABLE 7A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT SIX LOCATIONS GROWN UNDER HIGH INPUT 1/
1999 DATA

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

NAME	ME1	MT1	NY1	SD1	WA3	WI1	MEAN
ABT-CHW-3	7.6	5.7	5.2	5.6	6.4	7.1	6.3
LONGFELLOW II	7.9	6.3	5.0	5.1	6.2	6.9	6.2
ABT-CHW-2	7.8	5.7	5.5	5.6	6.1	6.5	6.2
AMBASSADOR	7.4	5.9	5.6	5.3	6.3	6.6	6.2
ASR 049	7.0	5.7	5.8	5.0	6.0	7.2	6.1
PICK FRC 4-92	7.8	6.0	5.5	4.8	6.0	6.6	6.1
BAR SCF 8 FUS3	7.1	5.5	5.8	5.0	6.2	6.8	6.1
SHADOW II	7.4	5.3	5.5	5.1	6.5	6.7	6.1
INTRIGUE	7.6	5.1	5.8	4.6	6.6	6.7	6.1
PICK FRC A-93	7.3	5.8	5.4	5.2	5.8	6.8	6.0
JASPER II	7.2	5.1	6.2	4.6	5.6	7.2	6.0
BAR CHF 8 FUS2	7.4	5.9	5.3	4.5	5.9	6.8	6.0
BRITTANY	7.2	5.9	5.4	4.6	6.1	6.6	6.0
CULOMBRA	7.1	6.4	5.1	4.8	5.7	6.7	6.0
4001	7.7	4.9	5.3	5.0	6.2	6.6	6.0
TREAZURE (E)	7.4	6.0	5.3	4.4	5.8	6.9	6.0
ABT-CHW-1	7.3	5.2	5.3	5.2	5.7	6.9	5.9
BRIDGEPORT	6.8	5.8	5.4	5.0	5.5	7.0	5.9
SR 5100	7.1	5.6	5.5	4.8	5.8	6.7	5.9
TIFFANY	7.4	5.1	5.8	4.4	5.9	6.9	5.9
RELIANT II	7.7	5.0	5.2	5.3	5.7	6.6	5.9
ISI FRR 7	7.3	6.0	5.9	4.4	5.3	6.5	5.9
ABT-CR-3	7.7	5.2	5.8	4.6	5.3	6.9	5.9
SRX 52961	7.2	5.7	5.8	4.5	5.4	6.9	5.9
PATHFINDER	6.8	6.0	5.4	4.8	5.4	6.9	5.9
SALSA	6.7	6.0	5.2	4.7	5.1	7.4	5.8
OXFORD	7.4	4.7	5.3	5.3	6.1	6.2	5.8
SANDPIPER	6.9	6.5	4.3	4.9	5.4	6.9	5.8
ACF 083	7.1	5.7	5.6	4.3	5.7	6.6	5.8
JAMESTOWN II	7.1	5.5	5.1	4.9	5.4	7.1	5.8
SEABREEZE	6.8	5.8	5.1	4.7	5.7	6.8	5.8
ABT-CR-2	7.3	5.1	5.8	4.4	5.6	6.6	5.8
SHADEMASTER II	7.1	5.9	5.3	4.6	5.1	6.9	5.8
BAR HF 8 FUS	7.4	4.9	5.4	4.8	5.7	6.5	5.8
ABT-HF-4	7.3	5.0	5.3	5.3	5.6	6.4	5.8
FLORENTINE	7.4	5.6	5.5	4.5	5.5	6.3	5.8
MAGIC	7.4	5.5	5.1	4.4	5.5	6.7	5.8
PST-4FR	7.3	5.3	5.3	4.4	5.8	6.6	5.8
BANNER III	7.7	5.5	5.5	4.6	5.4	6.0	5.8
ISI FRR 5	7.1	5.5	5.3	4.7	5.3	6.8	5.8
NORDIC (E)	7.4	5.1	5.3	4.7	5.5	6.6	5.8
ABT-HF1	7.5	4.9	5.0	5.1	6.1	6.0	5.8
MB-63	7.6	6.0	4.7	4.6	5.4	6.3	5.8
ACF 092	7.0	4.7	5.2	4.8	6.1	6.7	5.7

TABLE 7A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
(CONT'D) GROWN AT SIX LOCATIONS GROWN UNDER HIGH INPUT
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF							
NAME	ME1	MT1	NY1	SD1	WA3	WI1	MEAN
BAR CF 8 FUS1	7.2	5.5	5.8	4.3	5.2	6.5	5.7
PST-EFL	7.1	5.8	5.1	4.5	5.3	6.7	5.7
ISI FL 12	7.7	5.0	5.4	4.6	5.5	6.1	5.7
PST-47TCR	7.2	5.7	5.8	4.1	5.4	6.0	5.7
ATTILA E	7.0	5.2	5.3	4.7	5.4	6.5	5.7
SRX 3961	7.0	4.7	5.1	5.3	5.8	6.2	5.7
ABT-HF-2	7.4	4.9	5.3	4.8	5.6	6.0	5.7
HERON	7.1	4.8	5.3	5.3	5.4	6.2	5.7
DAWSON E+	6.3	5.9	4.8	4.7	5.7	6.7	5.7
ISI FL 11	7.9	4.7	5.1	4.8	5.1	6.1	5.6
PST-4HM	7.2	4.5	5.2	5.1	5.3	6.4	5.6
DGSC 94	7.1	5.8	5.2	4.3	5.0	6.3	5.6
SCALDIS	7.3	5.1	5.2	5.0	5.0	6.0	5.6
ABT-HF-3	7.2	5.0	5.1	4.9	5.4	5.8	5.6
MB-82	7.7	4.3	5.3	4.8	5.5	6.0	5.6
QUATRO	6.9	4.9	5.5	4.8	5.1	6.2	5.6
PST-4MB	7.4	4.8	5.2	4.5	5.0	6.5	5.6
AHF 009	7.3	4.9	5.0	4.3	5.5	6.4	5.6
SCALDIS II (AHF 008)	7.4	4.3	5.2	4.5	5.4	6.4	5.5
DISCOVERY	7.1	4.7	5.1	4.6	5.6	6.0	5.5
PICK FF A-97	6.9	5.0	5.3	4.6	5.2	6.1	5.5
ASC 087	6.8	5.4	5.3	4.0	5.0	6.2	5.5
OSPREY	6.6	4.6	5.0	4.5	5.8	6.2	5.5
DEFIANT	6.9	5.1	4.8	4.7	5.3	5.7	5.4
MINOTAUR	7.2	4.8	4.9	4.7	5.1	5.8	5.4
SHADEMARK	6.6	5.9	4.8	4.1	4.8	6.2	5.4
BOREAL	6.2	6.1	5.3	3.5	4.8	6.3	5.4
RESCUE 911	7.2	4.5	5.2	4.6	5.1	5.5	5.3
SRX 52LAV	6.6	4.8	5.8	3.7	4.7	6.3	5.3
COMMON CREEPING RED	5.7	5.7	5.0	3.9	4.7	6.6	5.3
ASC 082	6.8	4.7	5.8	3.8	4.7	5.8	5.3
SR 3200	6.9	4.7	5.4	4.1	4.4	5.8	5.2
BIGHORN	6.6	4.3	4.8	4.4	4.5	5.6	5.0
ASC 172	7.2	4.8	5.3	3.3	3.7	5.6	5.0
SR 6000	4.5	5.8	4.8	3.5	4.9	5.7	4.9
LSD VALUE	0.9	0.8	0.7	0.8	0.5	0.7	0.3
C.V. (%)	7.9	9.7	8.1	10.9	5.5	6.8	8.2

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

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

TABLE 7B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT SIX LOCATIONS GROWN UNDER HIGH INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ME1	MT1	NY1	SD1	WA3	WI1	MEAN
ABT-CHW-3	7.6	5.7	5.2	5.6	6.4	7.1	6.3
LONGFELLOW II	7.9	6.3	5.0	5.1	6.2	6.9	6.2
ABT-CHW-2	7.8	5.7	5.5	5.6	6.1	6.5	6.2
AMBASSADOR	7.4	5.9	5.6	5.3	6.3	6.6	6.2
PICK FRC 4-92	7.8	6.0	5.5	4.8	6.0	6.6	6.1
SHADOW II	7.4	5.3	5.5	5.1	6.5	6.7	6.1
INTRIGUE	7.6	5.1	5.8	4.6	6.6	6.7	6.1
PICK FRC A-93	7.3	5.8	5.4	5.2	5.8	6.8	6.0
BAR CHF 8 FUS2	7.4	5.9	5.3	4.5	5.9	6.8	6.0
BRITTANY	7.2	5.9	5.4	4.6	6.1	6.6	6.0
CULOMBRA	7.1	6.4	5.1	4.8	5.7	6.7	6.0
TREASURE (E)	7.4	6.0	5.3	4.4	5.8	6.9	6.0
ABT-CHW-1	7.3	5.2	5.3	5.2	5.7	6.9	5.9
BRIDGEPORT	6.8	5.8	5.4	5.0	5.5	7.0	5.9
SR 5100	7.1	5.6	5.5	4.8	5.8	6.7	5.9
TIFFANY	7.4	5.1	5.8	4.4	5.9	6.9	5.9
SANDPIPER	6.9	6.5	4.3	4.9	5.4	6.9	5.8
ACF 083	7.1	5.7	5.6	4.3	5.7	6.6	5.8
JAMESTOWN II	7.1	5.5	5.1	4.9	5.4	7.1	5.8
MAGIC	7.4	5.5	5.1	4.4	5.5	6.7	5.8
BANNER III	7.7	5.5	5.5	4.6	5.4	6.0	5.8
MB-63	7.6	6.0	4.7	4.6	5.4	6.3	5.8
ACF 092	7.0	4.7	5.2	4.8	6.1	6.7	5.7
PST-4HM	7.2	4.5	5.2	5.1	5.3	6.4	5.6
LSD VALUE	0.6	0.8	0.8	0.9	0.5	0.8	0.3
C.V. (%)	5.2	9.0	8.9	12.1	4.9	7.3	7.8

TABLE 7C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN AT SIX LOCATIONS GROWN UNDER HIGH INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ME1	MT1	NY1	SD1	WA3	WI1	MEAN
ASR 049	7.0	5.7	5.8	5.0	6.0	7.2	6.1
BAR SCF 8 FUS3	7.1	5.5	5.8	5.0	6.2	6.8	6.1
SEABREEZE	6.8	5.8	5.1	4.7	5.7	6.8	5.8
DAWSON E+	6.3	5.9	4.8	4.7	5.7	6.7	5.7
LSD VALUE	0.8	1.0	0.8	0.7	0.5	0.4	0.3
C.V. (%)	6.9	11.3	9.3	8.5	5.4	3.9	7.7

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

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

TABLE 7D. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN AT SIX LOCATIONS GROWN UNDER HIGH INPUT 1/
1999 DATA

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

NAME	ME1	MT1	NY1	SD1	WA3	WI1	MEAN
JASPER II	7.2	5.1	6.2	4.6	5.6	7.2	6.0
ISI FRR 7	7.3	6.0	5.9	4.4	5.3	6.5	5.9
ABT-CR-3	7.7	5.2	5.8	4.6	5.3	6.9	5.9
SRX 52961	7.2	5.7	5.8	4.5	5.4	6.9	5.9
PATHFINDER	6.8	6.0	5.4	4.8	5.4	6.9	5.9
SALSA	6.7	6.0	5.2	4.7	5.1	7.4	5.8
ABT-CR-2	7.3	5.1	5.8	4.4	5.6	6.6	5.8
SHADEMASTER II	7.1	5.9	5.3	4.6	5.1	6.9	5.8
FLORENTINE	7.4	5.6	5.5	4.5	5.5	6.3	5.8
PST-4FR	7.3	5.3	5.3	4.4	5.8	6.6	5.8
ISI FRR 5	7.1	5.5	5.3	4.7	5.3	6.8	5.8
BAR CF 8 FUS1	7.2	5.5	5.8	4.3	5.2	6.5	5.7
PST-EFL	7.1	5.8	5.1	4.5	5.3	6.7	5.7
PST-47TCR	7.2	5.7	5.8	4.1	5.4	6.0	5.7
DGSC 94	7.1	5.8	5.2	4.3	5.0	6.3	5.6
ASC 087	6.8	5.4	5.3	4.0	5.0	6.2	5.5
SHADEMARK	6.6	5.9	4.8	4.1	4.8	6.2	5.4
BOREAL	6.2	6.1	5.3	3.5	4.8	6.3	5.4
SRX 52LAV	6.6	4.8	5.8	3.7	4.7	6.3	5.3
COMMON CREEPING RED	5.7	5.7	5.0	3.9	4.7	6.6	5.3
ASC 082	6.8	4.7	5.8	3.8	4.7	5.8	5.3
ASC 172	7.2	4.8	5.3	3.3	3.7	5.6	5.0
LSD VALUE	0.7	0.9	0.7	0.7	0.6	0.7	0.3
C.V. (%)	6.3	10.3	8.0	10.9	6.8	6.2	8.0

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

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

TABLE 7E. MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN AT SIX LOCATIONS GROWN UNDER HIGH INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ME1	MT1	NY1	SD1	WA3	WI1	MEAN
4001	7.7	4.9	5.3	5.0	6.2	6.6	6.0
RELIANT II	7.7	5.0	5.2	5.3	5.7	6.6	5.9
OXFORD	7.4	4.7	5.3	5.3	6.1	6.2	5.8
BAR HF 8 FUS	7.4	4.9	5.4	4.8	5.7	6.5	5.8
ABT-HF-4	7.3	5.0	5.3	5.3	5.6	6.4	5.8
NORDIC (E)	7.4	5.1	5.3	4.7	5.5	6.6	5.8
ABT-HF1	7.5	4.9	5.0	5.1	6.1	6.0	5.8
ISI FL 12	7.7	5.0	5.4	4.6	5.5	6.1	5.7
ATTLA E	7.0	5.2	5.3	4.7	5.4	6.5	5.7
SRX 3961	7.0	4.7	5.1	5.3	5.8	6.2	5.7
ABT-HF-2	7.4	4.9	5.3	4.8	5.6	6.0	5.7
HERON	7.1	4.8	5.3	5.3	5.4	6.2	5.7
ISI FL 11	7.9	4.7	5.1	4.8	5.1	6.1	5.6
SCALDIS	7.3	5.1	5.2	5.0	5.0	6.0	5.6
ABT-HF-3	7.2	5.0	5.1	4.9	5.4	5.8	5.6
MB-82	7.7	4.3	5.3	4.8	5.5	6.0	5.6
AHF 009	7.3	4.9	5.0	4.3	5.5	6.4	5.6
SCALDIS II (AHF 008)	7.4	4.3	5.2	4.5	5.4	6.4	5.5
DISCOVERY	7.1	4.7	5.1	4.6	5.6	6.0	5.5
PICK FF A-97	6.9	5.0	5.3	4.6	5.2	6.1	5.5
OSPREY	6.6	4.6	5.0	4.5	5.8	6.2	5.5
DEFIANT	6.9	5.1	4.8	4.7	5.3	5.7	5.4
RESCUE 911	7.2	4.5	5.2	4.6	5.1	5.5	5.3
BIGHORN	6.6	4.3	4.8	4.4	4.5	5.6	5.0
LSD VALUE	1.2	0.7	0.5	0.7	0.4	0.7	0.3
C.V. (%)	10.6	9.5	6.3	9.2	5.0	7.4	8.5

TABLE 7F. MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS
GROWN AT SIX LOCATIONS GROWN UNDER HIGH INPUT
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	ME1	MT1	NY1	SD1	WA3	WI1	MEAN
QUATRO	6.9	4.9	5.5	4.8	5.1	6.2	5.6
PST-4MB	7.4	4.8	5.2	4.5	5.0	6.5	5.6
MINOTAUR	7.2	4.8	4.9	4.7	5.1	5.8	5.4
SR 3200	6.9	4.7	5.4	4.1	4.4	5.8	5.2
SR 6000	4.5	5.8	4.8	3.5	4.9	5.7	4.9
LSD VALUE	1.1	0.7	0.8	0.9	0.4	0.6	0.3
C.V. (%)	10.7	8.5	10.2	13.5	4.9	6.5	9.4

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

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

TABLE 8A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT FOURTEEN LOCATIONS GROWN UNDER MEDIUM INPUT 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IN1	KY1	MA1	MD1	MO1	NJ1	NJ2	NS1	OK1	PA1	RI1	MEAN
JASPER II	5.9	5.5	6.4	5.4	7.7	5.6	7.4	6.4	6.6	5.7	6.8	4.3	6.6	6.3	6.2
LONGFELLOW II	5.3	4.4	6.4	5.8	7.5	6.2	7.4	6.7	6.4	5.9	7.2	4.3	6.7	6.1	6.2
4001	6.5	5.7	6.1	4.9	7.1	4.8	8.1	5.3	6.7	6.0	6.6	2.5	7.5	7.4	6.1
ABT-CHW-2	5.2	5.4	6.2	4.9	7.5	5.5	7.1	6.6	6.4	5.9	7.1	4.0	6.2	5.9	6.0
AMBASSADOR	5.7	4.9	5.9	5.5	7.7	6.2	7.6	6.4	5.8	5.7	6.5	3.6	6.3	5.8	6.0
ABT-HF1	6.3	5.9	6.1	4.8	7.3	5.0	7.9	4.6	6.3	6.2	6.6	2.4	7.4	6.7	6.0
SRX 52961	5.5	5.2	6.8	5.8	7.1	5.0	7.4	6.0	6.1	5.7	6.7	4.0	5.7	6.1	5.9
SRX 3961	6.4	5.1	5.8	5.0	7.3	4.5	7.3	5.3	6.4	6.4	6.6	2.6	7.3	6.9	5.9
INTRIGUE	4.9	4.9	6.4	5.3	7.8	6.0	7.4	5.5	6.1	5.4	7.1	3.0	6.8	6.3	5.9
ABT-CR-3	5.6	5.3	6.7	5.9	7.8	4.9	6.8	6.2	6.5	5.2	6.5	3.6	6.1	5.8	5.9
ABT-CR-2	6.0	5.4	6.7	5.5	7.5	5.2	7.0	6.6	6.5	5.4	6.3	3.6	5.6	5.6	5.9
ABT-CHW-3	4.8	5.1	6.2	5.5	7.5	6.0	6.8	6.4	5.8	5.4	7.2	3.0	6.8	5.9	5.9
OXFORD	6.8	5.9	5.9	5.0	7.1	4.2	7.7	5.5	5.7	5.6	6.9	2.9	6.7	6.0	5.9
TREAZURE (E)	5.3	4.9	5.8	4.7	6.9	6.0	7.0	6.3	5.9	5.6	7.3	3.4	7.1	5.6	5.8
PST-EFL	5.7	4.6	6.6	5.6	7.3	5.0	6.8	6.5	5.9	5.1	6.9	4.0	5.8	5.8	5.8
SHADOW II	5.2	5.1	6.3	5.0	7.1	6.1	6.9	6.4	5.6	5.5	7.1	2.9	6.0	6.0	5.8
PST-4FR	5.6	4.5	5.9	5.8	7.4	5.4	7.3	6.6	5.5	4.7	6.3	3.3	5.9	6.5	5.8
ISI FRR 7	5.4	4.4	6.5	4.8	7.3	5.7	6.9	6.0	5.9	5.5	6.4	4.4	5.3	5.8	5.7
ISI FRR 5	5.5	4.4	6.1	5.2	7.1	5.0	7.1	6.3	6.0	4.7	6.2	4.5	6.2	5.8	5.7
BAR HF 8 FUS	6.7	5.2	5.3	4.8	6.9	4.6	7.6	5.8	5.3	5.0	5.9	2.7	6.8	7.2	5.7
ABT-HF-2	6.1	5.7	4.9	4.5	6.6	4.4	7.3	5.5	6.0	5.5	6.4	2.6	6.8	7.2	5.7
CULOMBRA	4.5	5.7	6.2	5.7	6.7	5.8	6.3	6.5	4.2	5.0	7.4	3.5	5.6	6.2	5.7
NORDIC (E)	6.1	5.9	5.5	4.9	6.5	4.0	7.3	5.7	5.4	5.4	6.7	2.2	7.1	6.6	5.7
FLORENTINE	5.6	4.7	6.3	5.2	7.5	4.5	7.0	6.0	5.4	5.3	6.5	3.6	5.7	5.8	5.6
PICK FRC A-93	5.5	4.6	5.5	5.1	7.8	5.4	6.9	6.2	5.0	4.8	6.8	3.3	6.1	6.0	5.6
PATHFINDER	5.7	4.4	5.8	4.9	7.5	5.0	6.5	6.3	5.9	5.0	6.4	4.1	5.1	5.3	5.6
SHADEMASTER II	5.3	4.9	6.0	4.6	7.0	4.5	6.8	7.0	5.3	4.6	6.4	4.6	5.2	6.0	5.6
ISI FL 11	6.7	4.6	5.2	4.3	6.7	3.9	7.7	5.2	5.1	5.2	6.6	3.1	6.8	6.7	5.6
AHF 009	5.9	5.1	5.9	4.5	6.8	5.1	7.5	4.9	4.6	5.0	7.3	2.8	6.5	5.9	5.5
ISI FL 12	6.2	4.6	4.9	5.3	7.0	4.1	7.7	5.2	4.8	5.0	6.6	2.8	6.6	6.6	5.5
ACF 092	5.1	4.8	5.8	5.2	6.3	4.8	7.1	6.2	4.3	5.2	6.6	3.4	6.3	5.8	5.5
PST-4MB	5.7	6.2	5.9	4.2	6.6	4.4	7.3	5.6	5.8	4.5	6.0	2.6	6.9	5.1	5.5
DISCOVERY	6.1	5.2	5.1	4.7	6.7	3.8	7.5	5.3	5.0	5.5	6.6	2.3	7.0	5.9	5.5
SR 5100	5.1	4.9	5.7	5.2	6.5	5.2	6.7	6.2	4.7	5.1	6.8	2.8	6.2	5.5	5.5
TIFFANY	5.5	4.9	6.2	4.8	6.5	5.7	6.7	6.1	4.6	4.6	6.8	3.3	5.6	5.5	5.5
PST-4HM	6.3	6.1	5.5	4.4	6.3	3.8	6.7	5.1	4.9	5.2	6.5	2.6	7.0	6.1	5.5
MAGIC	4.8	4.4	5.5	5.3	6.5	5.7	6.6	6.5	4.6	4.8	7.1	3.4	5.3	5.8	5.5
BAR CF 8 FUS1	5.6	4.4	6.1	5.5	7.1	4.6	6.4	5.7	5.1	5.0	6.2	4.4	5.2	5.1	5.4
ABT-HF-4	6.0	5.0	5.8	4.8	6.2	4.3	7.5	4.8	5.9	5.3	6.6	2.4	6.8	4.8	5.4
ABT-CHW-1	4.5	5.1	5.8	4.9	6.5	5.4	7.3	6.1	4.0	5.3	7.2	2.8	5.7	5.7	5.4
OSPREY	6.3	5.1	4.3	4.8	6.6	5.1	7.3	5.3	4.7	5.5	6.6	2.0	6.8	5.6	5.4
BRIDGEPORT	4.7	5.0	5.8	4.6	6.4	5.6	6.4	6.0	4.6	4.6	6.8	3.9	6.1	5.5	5.4
BAR CHF 8 FUS2	5.4	4.3	6.2	5.4	6.2	5.2	6.6	6.1	3.4	5.4	6.9	2.9	5.7	6.1	5.4
PICK FRC 4-92	4.9	4.6	5.8	5.7	6.6	5.3	6.3	6.0	4.4	4.8	7.2	3.1	5.5	5.5	5.4

TABLE 8A. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT FOURTEEN LOCATIONS GROWN UNDER MEDIUM INPUT
1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF														MEAN
	CA1	CO1	IA1	IN1	KY1	MA1	MD1	MO1	NJ1	NJ2	NS1	OK1	PA1	RI1	
BAR SCF 8 FUS3	5.7	5.4	6.2	5.4	7.0	3.8	7.1	4.8	4.9	5.3	6.2	3.2	6.2	4.5	5.4
ACF 083	5.9	4.9	5.9	4.7	6.3	4.8	6.6	5.0	4.4	4.8	7.1	3.5	5.8	5.8	5.4
BRITTANY	4.9	4.2	6.0	5.2	7.0	4.6	6.5	6.0	4.2	4.9	7.2	3.4	5.6	5.6	5.4
RESCUE 911	6.1	5.7	5.2	4.9	6.5	3.1	7.3	4.9	5.6	4.4	6.6	2.3	6.7	6.0	5.4
RELIANT II	5.5	4.9	5.1	4.6	6.6	3.9	7.4	4.7	5.6	5.3	6.7	2.7	6.4	5.8	5.4
ABT-HF-3	5.7	5.7	5.6	4.4	6.5	4.2	7.3	5.0	5.9	5.0	7.0	2.4	6.9	3.3	5.4
PICK FF A-97	5.9	5.0	5.2	5.0	6.2	4.0	7.2	5.5	5.0	4.4	6.3	2.5	6.8	6.0	5.4
BANNER III	4.5	5.1	5.9	5.3	6.5	5.7	6.7	5.6	4.3	4.6	6.8	2.7	5.6	5.5	5.3
MB-63	5.0	5.1	5.4	5.0	6.6	4.8	6.6	6.3	4.1	5.0	6.3	3.4	5.6	5.8	5.3
PST-47TCR	5.3	4.6	6.1	4.7	7.3	4.3	6.7	5.8	5.4	4.9	6.3	4.0	5.1	4.2	5.3
SCALDIS	5.9	5.4	5.4	4.4	6.1	4.1	7.2	4.8	4.3	4.3	6.5	2.6	6.9	6.4	5.3
MINOTAUR	6.1	4.9	5.4	4.5	6.3	4.6	7.2	5.0	6.2	4.8	6.7	2.5	7.0	2.8	5.3
DGSC 94	5.1	4.7	5.8	4.9	7.3	4.8	6.5	5.7	4.6	4.7	6.2	4.2	4.9	4.5	5.3
ASR 049	5.9	5.8	6.7	5.2	4.9	5.0	7.1	4.4	4.0	5.5	6.2	3.0	5.8	4.2	5.3
HERON	6.2	5.6	5.5	4.7	6.2	4.0	7.0	5.1	4.5	4.6	6.3	2.6	7.0	4.5	5.3
ASC 082	5.3	4.7	5.7	4.7	6.8	4.4	6.5	5.5	5.5	4.3	6.0	3.7	4.9	5.7	5.3
MB-82	5.3	5.1	5.3	4.5	6.3	4.9	7.2	4.9	4.0	4.8	6.2	2.0	6.4	6.8	5.3
DEFIANT	5.8	4.5	5.3	4.6	6.5	3.6	7.3	4.8	4.8	4.9	6.2	2.6	6.4	6.0	5.2
SALSA	5.3	5.6	6.5	5.3	6.1	5.6	6.1	4.0	4.6	4.3	6.9	3.6	4.8	4.7	5.2
ATTILA E	6.1	5.2	5.3	3.9	5.9	4.5	7.3	4.5	4.9	4.5	6.7	2.9	6.4	5.2	5.2
SRX 52LAV	5.1	5.0	5.8	5.0	6.5	4.7	6.8	5.7	4.3	4.1	5.9	3.1	4.7	6.1	5.2
SANDPIPER	4.9	5.0	5.6	4.0	6.0	6.0	6.1	5.2	3.9	4.6	7.2	3.0	5.1	5.6	5.2
SEABREEZE	5.1	5.8	6.2	4.7	6.2	4.5	6.1	6.1	3.6	4.9	6.6	3.0	5.1	4.0	5.1
SCALDIS II (AHF 008)	6.1	4.9	5.2	4.6	6.5	4.3	7.5	4.7	3.6	4.4	6.5	2.8	6.8	3.6	5.1
BIGHORN	5.3	5.9	5.6	4.2	6.2	4.0	7.1	4.8	4.5	4.4	6.5	2.5	6.3	3.8	5.1
JAMESTOWN II	4.1	4.7	5.6	4.7	5.6	5.2	5.8	7.0	3.3	4.1	6.7	2.9	5.2	5.3	5.0
ASC 087	4.8	4.6	6.0	4.3	6.6	4.5	6.4	4.7	4.1	4.6	6.2	4.1	5.1	4.2	5.0
SHADEMARK	4.3	4.6	5.2	4.3	6.4	4.5	6.2	5.7	4.2	4.5	6.2	4.0	4.7	5.2	5.0
QUATRO	5.3	4.9	5.2	4.3	4.0	4.0	6.3	5.8	4.0	4.6	6.9	2.6	5.1	6.2	4.9
DAWSON E+	4.1	5.6	5.6	5.1	4.2	4.4	6.5	4.5	3.2	4.7	6.7	3.0	6.0	4.0	4.8
SR 3200	4.9	5.4	5.6	3.9	5.5	4.3	6.2	4.8	3.9	3.7	6.5	2.6	6.2	3.6	4.8
ASC 172	4.1	4.3	5.5	3.9	6.8	3.8	6.2	5.8	5.0	3.5	5.0	3.2	4.3	3.8	4.7
BOREAL	3.7	4.4	5.6	4.4	5.2	3.9	5.1	5.2	2.2	2.9	6.2	3.0	3.8	3.1	4.2
COMMON CREEPING RED	3.8	4.4	5.3	3.8	5.1	3.7	5.3	4.4	2.8	2.8	6.0	3.0	4.1	2.4	4.1
SR 6000	4.0	4.4	4.1	3.4	3.6	2.2	5.8	5.8	3.3	3.7	6.2	2.8	2.9	1.2	3.8
LSD VALUE	0.8	0.3	1.1	0.8	0.5	0.9	0.5	1.2	1.0	0.6	0.9	0.7	0.6	1.0	0.2
C.V. (%)	9.0	3.3	12.0	9.8	5.1	11.2	4.7	13.6	12.5	7.5	12.1	13.9	6.2	11.7	10.3

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

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

TABLE 8B.

MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT FOURTEEN LOCATIONS GROWN UNDER MEDIUM INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA1	CO1	IA1	IN1	KY1	MA1	MD1	MO1	NJ1	NJ2	NS1	OK1	PA1	RI1	MEAN
LONGFELLOW II	5.3	4.4	6.4	5.8	7.5	6.2	7.4	6.7	6.4	5.9	7.2	4.3	6.7	6.1	6.2
ABT-CHW-2	5.2	5.4	6.2	4.9	7.5	5.5	7.1	6.6	6.4	5.9	7.1	4.0	6.2	5.9	6.0
AMBASSADOR	5.7	4.9	5.9	5.5	7.7	6.2	7.6	6.4	5.8	5.7	6.5	3.6	6.3	5.8	6.0
INIRIGUE	4.9	4.9	6.4	5.3	7.8	6.0	7.4	5.5	6.1	5.4	7.1	3.0	6.8	6.3	5.9
ABT-CHW-3	4.8	5.1	6.2	5.5	7.5	6.0	6.8	6.4	5.8	5.4	7.2	3.0	6.8	5.9	5.9
TREASURE (E)	5.3	4.9	5.8	4.7	6.9	6.0	7.0	6.3	5.9	5.6	7.3	3.4	7.1	5.6	5.8
SHADOW II	5.2	5.1	6.3	5.0	7.1	6.1	6.9	6.4	5.6	5.5	7.1	2.9	6.0	6.0	5.8
CULOMBRA	4.5	5.7	6.2	5.7	6.7	5.8	6.3	6.5	4.2	5.0	7.4	3.5	5.6	6.2	5.7
PICK FRC A-93	5.5	4.6	5.5	5.1	7.8	5.4	6.9	6.2	5.0	4.8	6.8	3.3	6.1	6.0	5.6
ACF 092	5.1	4.8	5.8	5.2	6.3	4.8	7.1	6.2	4.3	5.2	6.6	3.4	6.3	5.8	5.5
SR 5100	5.1	4.9	5.7	5.2	6.5	5.2	6.7	6.2	4.7	5.1	6.8	2.8	6.2	5.5	5.5
TIFFANY	5.5	4.9	6.2	4.8	6.5	5.7	6.7	6.1	4.6	4.6	6.8	3.3	5.6	5.5	5.5
PST-4HM	6.3	6.1	5.5	4.4	6.3	3.8	6.7	5.1	4.9	5.2	6.5	2.6	7.0	6.1	5.5
MAGIC	4.8	4.4	5.5	5.3	6.5	5.7	6.6	6.5	4.6	4.8	7.1	3.4	5.3	5.8	5.5
ABT-CHW-1	4.5	5.1	5.8	4.9	6.5	5.4	7.3	6.1	4.0	5.3	7.2	2.8	5.7	5.7	5.4
BRIDGEPORT	4.7	5.0	5.8	4.6	6.4	5.6	6.4	6.0	4.6	4.6	6.8	3.9	6.1	5.5	5.4
BAR CHF 8 FUS2	5.4	4.3	6.2	5.4	6.2	5.2	6.6	6.1	3.4	5.4	6.9	2.9	5.7	6.1	5.4
PICK FRC 4-92	4.9	4.6	5.8	5.7	6.6	5.3	6.3	6.0	4.4	4.8	7.2	3.1	5.5	5.5	5.4
ACF 083	5.9	4.9	5.9	4.7	6.3	4.8	6.6	5.0	4.4	4.8	7.1	3.5	5.8	5.8	5.4
BRITTANY	4.9	4.2	6.0	5.2	7.0	4.6	6.5	6.0	4.2	4.9	7.2	3.4	5.6	5.6	5.4
BANNER III	4.5	5.1	5.9	5.3	6.5	5.7	6.7	5.6	4.3	4.6	6.8	2.7	5.6	5.5	5.3
MB-63	5.0	5.1	5.4	5.0	6.6	4.8	6.6	6.3	4.1	5.0	6.3	3.4	5.6	5.8	5.3
SANDPIPER	4.9	5.0	5.6	4.0	6.0	6.0	6.1	5.2	3.9	4.6	7.2	3.0	5.1	5.6	5.2
JAMESTOWN II	4.1	4.7	5.6	4.7	5.6	5.2	5.8	7.0	3.3	4.1	6.7	2.9	5.2	5.3	5.0
LSD VALUE	0.8	0.3	0.8	0.8	0.5	0.9	0.6	1.3	1.1	0.7	0.9	0.8	0.6	0.8	0.2
C.V. (%)	9.7	3.4	8.6	9.8	4.8	9.8	5.5	13.7	13.7	8.3	11.0	14.6	6.6	9.1	9.9

TABLE 8C.

MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN AT FOURTEEN LOCATIONS GROWN UNDER MEDIUM INPUT 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IN1	KY1	MA1	MD1	MO1	NJ1	NJ2	NS1	OK1	PA1	RI1	MEAN
BAR SCF 8 FUS3	5.7	5.4	6.2	5.4	7.0	3.8	7.1	4.8	4.9	5.3	6.2	3.2	6.2	4.5	5.4
ASR 049	5.9	5.8	6.7	5.2	4.9	5.0	7.1	4.4	4.0	5.5	6.2	3.0	5.8	4.2	5.3
SEABREEZE	5.1	5.8	6.2	4.7	6.2	4.5	6.1	6.1	3.6	4.9	6.6	3.0	5.1	4.0	5.1
DAWSON E+	4.1	5.6	5.6	5.1	4.2	4.4	6.5	4.5	3.2	4.7	6.7	3.0	6.0	4.0	4.8
LSD VALUE	0.8	0.3	0.9	0.5	0.8	0.8	0.4	1.9	0.9	0.3	0.8	0.5	0.6	1.5	0.2
C.V. (%)	9.7	2.8	8.7	6.3	8.5	12.0	3.7	23.3	14.0	3.1	10.6	10.9	6.7	21.9	11.2

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

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

TABLE 8D.

MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN AT FOURTEEN LOCATIONS GROWN UNDER MEDIUM INPUT 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IN1	KY1	MA1	MD1	MO1	NJ1	NJ2	NS1	OK1	PA1	RI1	MEAN
JASPER II	5.9	5.5	6.4	5.4	7.7	5.6	7.4	6.4	6.6	5.7	6.8	4.3	6.6	6.3	6.2
SRX 52961	5.5	5.2	6.8	5.8	7.1	5.0	7.4	6.0	6.1	5.7	6.7	4.0	5.7	6.1	5.9
ABT-CR-3	5.6	5.3	6.7	5.9	7.8	4.9	6.8	6.2	6.5	5.2	6.5	3.6	6.1	5.8	5.9
ABT-CR-2	6.0	5.4	6.7	5.5	7.5	5.2	7.0	6.6	6.5	5.4	6.3	3.6	5.6	5.6	5.9
PST-EFL	5.7	4.6	6.6	5.6	7.3	5.0	6.8	6.5	5.9	5.1	6.9	4.0	5.8	5.8	5.8
PST-4FR	5.6	4.5	5.9	5.8	7.4	5.4	7.3	6.6	5.5	4.7	6.3	3.3	5.9	6.5	5.8
ISI FRR 7	5.4	4.4	6.5	4.8	7.3	5.7	6.9	6.0	5.9	5.5	6.4	4.4	5.3	5.8	5.7
ISI FRR 5	5.5	4.4	6.1	5.2	7.1	5.0	7.1	6.3	6.0	4.7	6.2	4.5	6.2	5.8	5.7
FLORENTINE	5.6	4.7	6.3	5.2	7.5	4.5	7.0	6.0	5.4	5.3	6.5	3.6	5.7	5.8	5.6
PATHFINDER	5.7	4.4	5.8	4.9	7.5	5.0	6.5	6.3	5.9	5.0	6.4	4.1	5.1	5.3	5.6
SHADEMASTER II	5.3	4.9	6.0	4.6	7.0	4.5	6.8	7.0	5.3	4.6	6.4	4.6	5.2	6.0	5.6
BAR CF 8 FUS1	5.6	4.4	6.1	5.5	7.1	4.6	6.4	5.7	5.1	5.0	6.2	4.4	5.2	5.1	5.4
PST-47TCR	5.3	4.6	6.1	4.7	7.3	4.3	6.7	5.8	5.4	4.9	6.3	4.0	5.1	4.2	5.3
DGSC 94	5.1	4.7	5.8	4.9	7.3	4.8	6.5	5.7	4.6	4.7	6.2	4.2	4.9	4.5	5.3
ASC 082	5.3	4.7	5.7	4.7	6.8	4.4	6.5	5.5	5.5	4.3	6.0	3.7	4.9	5.7	5.3
SALSA	5.3	5.6	6.5	5.3	6.1	5.6	6.1	4.0	4.6	4.3	6.9	3.6	4.8	4.7	5.2
SRX 521AV	5.1	5.0	5.8	5.0	6.5	4.7	6.8	5.7	4.3	4.1	5.9	3.1	4.7	6.1	5.2
ASC 087	4.8	4.6	6.0	4.3	6.6	4.5	6.4	4.7	4.1	4.6	6.2	4.1	5.1	4.2	5.0
SHADEMARK	4.3	4.6	5.2	4.3	6.4	4.5	6.2	5.7	4.2	4.5	6.2	4.0	4.7	5.2	5.0
ASC 172	4.1	4.3	5.5	3.9	6.8	3.8	6.2	5.8	5.0	3.5	5.0	3.2	4.3	3.8	4.7
BOREAL	3.7	4.4	5.6	4.4	5.2	3.9	5.1	5.2	2.2	2.9	6.2	3.0	3.8	3.1	4.2
COMMON CREEPING RED	3.8	4.4	5.3	3.8	5.1	3.7	5.3	4.4	2.8	2.8	6.0	3.0	4.1	2.4	4.1
LSD VALUE	0.7	0.2	1.0	0.8	0.5	0.9	0.4	1.2	0.8	0.5	1.0	0.7	0.6	1.0	0.2
C.V. (%)	8.4	3.0	10.1	9.8	4.7	11.6	3.7	12.6	10.0	7.0	14.4	12.1	7.2	12.6	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).

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

TABLE 8E.

MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN AT FOURTEEN LOCATIONS GROWN UNDER MEDIUM INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA1	CO1	IA1	IN1	KY1	MA1	MD1	MO1	NJ1	NJ2	NS1	OK1	PA1	RI1	MEAN
4001	6.5	5.7	6.1	4.9	7.1	4.8	8.1	5.3	6.7	6.0	6.6	2.5	7.5	7.4	6.1
ABT-HF1	6.3	5.9	6.1	4.8	7.3	5.0	7.9	4.6	6.3	6.2	6.6	2.4	7.4	6.7	6.0
SRX 3961	6.4	5.1	5.8	5.0	7.3	4.5	7.3	5.3	6.4	6.4	6.6	2.6	7.3	6.9	5.9
OXFORD	6.8	5.9	5.9	5.0	7.1	4.2	7.7	5.5	5.7	5.6	6.9	2.9	6.7	6.0	5.9
BAR HF 8 FUS	6.7	5.2	5.3	4.8	6.9	4.6	7.6	5.8	5.3	5.0	5.9	2.7	6.8	7.2	5.7
ABT-HF-2	6.1	5.7	4.9	4.5	6.6	4.4	7.3	5.5	6.0	5.5	6.4	2.6	6.8	7.2	5.7
NORDIC (E)	6.1	5.9	5.5	4.9	6.5	4.0	7.3	5.7	5.4	5.4	6.7	2.2	7.1	6.6	5.7
ISI FL 11	6.7	4.6	5.2	4.3	6.7	3.9	7.7	5.2	5.1	5.2	6.6	3.1	6.8	6.7	5.6
AHF 009	5.9	5.1	5.9	4.5	6.8	5.1	7.5	4.9	4.6	5.0	7.3	2.8	6.5	5.9	5.5
ISI FL 12	6.2	4.6	4.9	5.3	7.0	4.1	7.7	5.2	4.8	5.0	6.6	2.8	6.6	6.6	5.5
DISCOVERY	6.1	5.2	5.1	4.7	6.7	3.8	7.5	5.3	5.0	5.5	6.6	2.3	7.0	5.9	5.5
ABT-HF-4	6.0	5.0	5.8	4.8	6.2	4.3	7.5	4.8	5.9	5.3	6.6	2.4	6.8	4.8	5.4
OSPREY	6.3	5.1	4.3	4.8	6.6	5.1	7.3	5.3	4.7	5.5	6.6	2.0	6.8	5.6	5.4
RESCUE 911	6.1	5.7	5.2	4.9	6.5	3.1	7.3	4.9	5.6	4.4	6.6	2.3	6.7	6.0	5.4
RELIANT II	5.5	4.9	5.1	4.6	6.6	3.9	7.4	4.7	5.6	5.3	6.7	2.7	6.4	5.8	5.4
ABT-HF-3	5.7	5.7	5.6	4.4	6.5	4.2	7.3	5.0	5.9	5.0	7.0	2.4	6.9	3.3	5.4
PICK FF A-97	5.9	5.0	5.2	5.0	6.2	4.0	7.2	5.5	5.0	4.4	6.3	2.5	6.8	6.0	5.4
SCALDIS	5.9	5.4	5.4	4.4	6.1	4.1	7.2	4.8	4.3	4.3	6.5	2.6	6.9	6.4	5.3
HERON	6.2	5.6	5.5	4.7	6.2	4.0	7.0	5.1	4.5	4.6	6.3	2.6	7.0	4.5	5.3
MB-82	5.3	5.1	5.3	4.5	6.3	4.9	7.2	4.9	4.0	4.8	6.2	2.0	6.4	6.8	5.3
DEFIANT	5.8	4.5	5.3	4.6	6.5	3.6	7.3	4.8	4.8	4.9	6.2	2.6	6.4	6.0	5.2
ATTILA E	6.1	5.2	5.3	3.9	5.9	4.5	7.3	4.5	4.9	4.5	6.7	2.9	6.4	5.2	5.2
SCALDIS II (AHF 008)	6.1	4.9	5.2	4.6	6.5	4.3	7.5	4.7	3.6	4.4	6.5	2.8	6.8	3.6	5.1
BIGHORN	5.3	5.9	5.6	4.2	6.2	4.0	7.1	4.8	4.5	4.4	6.5	2.5	6.3	3.8	5.1
LSD VALUE	0.9	0.3	1.5	0.8	0.6	0.9	0.5	1.0	1.1	0.6	0.8	0.6	0.6	1.1	0.2
C.V. (%)	8.9	3.4	17.2	10.1	5.2	12.7	4.4	12.5	13.3	7.4	10.5	15.6	5.2	11.6	10.2

TABLE 8F.

MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS
GROWN AT FOURTEEN LOCATIONS GROWN UNDER MEDIUM INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA1	CO1	IA1	IN1	KY1	MA1	MD1	MO1	NJ1	NJ2	NS1	OK1	PA1	RI1	MEAN
PST-4MB	5.7	6.2	5.9	4.2	6.6	4.4	7.3	5.6	5.8	4.5	6.0	2.6	6.9	5.1	5.5
MINOTAUR	6.1	4.9	5.4	4.5	6.3	4.6	7.2	5.0	6.2	4.8	6.7	2.5	7.0	2.8	5.3
QUATRO	5.3	4.9	5.2	4.3	4.0	4.0	6.3	5.8	4.0	4.6	6.9	2.6	5.1	6.2	4.9
SR 3200	4.9	5.4	5.6	3.9	5.5	4.3	6.2	4.8	3.9	3.7	6.5	2.6	6.2	3.6	4.8
SR 6000	4.0	4.4	4.1	3.4	3.6	2.2	5.8	5.8	3.3	3.7	6.2	2.8	2.9	1.2	3.8
LSD VALUE	0.5	0.2	0.9	0.7	0.4	0.6	0.7	1.1	0.8	0.5	1.1	0.6	0.5	0.9	0.2
C.V. (%)	6.3	3.0	10.4	10.7	5.2	10.0	6.8	12.4	11.4	7.8	14.6	13.8	5.2	14.0	11.2

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

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

TABLE 9A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT NINE LOCATIONS GROWN UNDER LOW INPUT 1/
1999 DATA

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

NAME	IL1	KS1	ME2	MI1	NC1	QE1	UT1	VA1	WA1	MEAN
LONGFELLOW II	5.2	7.9	7.6	5.9	5.7	4.8	5.9	4.9	5.8	6.0
CULOMBRA	5.5	7.7	7.3	5.9	5.3	4.9	5.7	5.2	5.8	5.9
JASPER II	5.6	7.9	7.2	6.4	5.7	4.6	5.6	5.3	5.0	5.9
PICK FRC A-93	5.0	7.4	7.4	6.1	5.0	4.7	5.3	4.9	6.2	5.8
MB-63	5.5	8.0	6.9	5.6	6.0	4.8	5.4	4.5	5.3	5.8
INTRIGUE	5.0	7.7	7.2	6.3	4.9	4.8	5.8	4.2	5.7	5.7
ABT-CHW-3	5.1	7.8	7.8	5.7	4.6	4.6	4.9	5.3	5.8	5.7
ACF 092	5.1	8.0	6.8	6.1	5.2	4.7	5.4	4.9	5.3	5.7
TREAZURE (E)	5.2	7.8	7.0	6.2	5.2	4.6	5.0	4.9	5.5	5.7
4001	4.9	7.0	8.0	6.1	4.1	4.6	6.1	6.2	4.3	5.7
TIFFANY	5.1	7.2	7.1	5.4	5.6	4.7	5.3	5.3	5.6	5.7
BRITTANY	5.0	7.6	7.3	5.4	5.8	4.8	4.6	5.0	5.8	5.7
BAR CHF 8 FUS2	4.8	7.5	7.4	6.0	5.1	4.5	5.7	4.8	5.3	5.7
AMBASSADOR	4.8	7.7	7.4	5.8	5.6	4.5	4.6	4.8	5.9	5.7
BAR CF 8 FUS1	4.9	7.5	7.4	6.4	5.5	4.7	4.9	4.6	4.9	5.6
SHADEMASTER II	5.1	7.6	7.1	5.9	5.6	4.8	5.0	5.0	4.6	5.6
ISI FRR 5	5.2	8.3	7.1	6.2	5.5	4.6	5.1	4.5	4.1	5.6
PICK FRC 4-92	4.9	6.9	7.2	5.8	5.8	4.7	5.2	4.5	5.7	5.6
PATHFINDER	5.0	7.7	7.3	6.2	5.4	4.6	4.7	4.5	5.2	5.6
ABT-CHW-2	4.8	7.5	6.9	6.1	4.6	4.6	5.3	4.5	6.1	5.6
SRX 52961	5.4	7.7	7.3	6.3	4.9	4.7	4.8	4.7	4.6	5.6
SALSA	5.6	7.6	7.1	6.0	4.5	4.6	5.1	4.6	5.3	5.6
BRIDGEPORT	5.0	7.0	7.0	6.0	5.4	4.8	5.1	4.8	5.3	5.6
ACF 083	5.0	7.1	7.2	5.7	5.4	4.7	5.2	4.8	5.1	5.6
SR 5100	4.9	7.6	6.9	6.1	5.2	4.8	4.5	4.8	5.4	5.6
FLORENTINE	4.9	7.8	7.4	5.8	5.3	4.5	5.2	4.4	5.0	5.6
MAGIC	4.7	7.3	7.2	5.7	5.3	4.7	5.0	4.5	5.6	5.6
ABT-HF1	4.8	6.5	7.2	6.2	4.8	4.5	6.0	6.2	3.8	5.5
ABT-CR-2	5.2	8.1	6.8	5.8	5.1	4.6	4.5	4.9	4.9	5.5
ABT-CHW-1	4.9	7.4	7.4	5.8	5.7	4.4	4.4	4.2	5.6	5.5
PST-4FR	5.0	8.0	7.7	6.1	5.1	4.5	4.7	4.7	4.1	5.5
ISI FRR 7	5.2	7.8	7.2	6.0	5.4	4.6	4.2	4.3	5.2	5.5
PST-EFL	5.2	7.9	7.2	6.1	4.7	4.5	4.6	5.1	4.4	5.5
OXFORD	4.9	6.7	7.7	5.8	4.8	4.4	5.0	5.8	4.6	5.5
SEABREEZE	5.1	6.3	6.6	6.2	5.0	4.6	5.9	5.0	4.9	5.5
BANNER III	4.8	7.0	7.4	5.1	5.7	4.5	5.4	4.3	5.3	5.5
SANDPIPER	5.0	7.4	6.8	4.8	5.1	4.7	5.1	4.9	5.3	5.5
ABT-CR-3	4.7	7.3	7.3	5.6	5.3	4.7	4.5	4.7	5.1	5.5
PST-47TCR	5.0	7.7	7.3	5.8	5.0	4.6	4.5	4.7	4.5	5.4
SRX 52LAV	5.4	7.7	6.5	6.6	4.9	4.7	4.9	4.3	3.9	5.4
JAMESTOWN II	5.3	7.4	6.9	5.2	5.0	4.8	5.1	3.9	5.3	5.4
DGSC 94	5.6	7.2	6.9	5.9	4.9	4.7	4.6	4.3	4.7	5.4
BAR SCF 8 FUS3	4.8	6.8	6.2	6.5	5.4	4.1	5.8	5.0	4.2	5.4
SHADOW II	4.5	6.7	6.6	5.6	4.9	4.6	5.4	5.1	5.2	5.4

TABLE 9A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
(CONT'D) GROWN AT NINE LOCATIONS GROWN UNDER LOW INPUT
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF										
NAME	IL1	KS1	ME2	MI1	NC1	QE1	UT1	VA1	WA1	MEAN
BAR HF 8 FUS	4.7	6.9	7.1	5.6	4.8	4.5	5.6	5.4	4.2	5.4
NORDIC (E)	4.8	6.3	7.2	5.6	5.2	4.6	5.3	5.4	4.0	5.4
SRX 3961	4.4	6.4	7.2	6.4	4.6	4.5	5.3	5.6	3.8	5.4
PICK FF A-97	4.4	6.6	7.5	6.1	4.5	4.4	5.0	5.6	3.9	5.3
SCALDIS II (AHF 008)	4.5	6.3	6.8	6.0	4.1	4.5	6.4	5.3	4.0	5.3
ISI FL 11	4.8	6.7	7.2	6.0	4.7	4.5	4.6	5.1	4.4	5.3
ASR 049	5.0	6.6	6.2	6.6	4.9	4.5	5.2	4.8	4.1	5.3
ISI FL 12	4.7	6.6	7.5	6.2	4.1	4.5	4.7	5.7	3.8	5.3
ABT-HF-2	4.8	5.8	7.2	6.0	4.4	4.5	5.4	6.0	3.8	5.3
AHF 009	4.9	6.4	7.3	6.3	3.7	4.5	4.8	5.9	3.9	5.3
ATTILA E	4.6	6.7	7.0	6.1	3.8	4.3	5.7	5.5	3.8	5.3
OSPREY	4.9	6.4	6.4	6.1	3.9	4.5	5.6	5.7	3.9	5.3
DISCOVERY	4.6	6.4	6.9	5.8	4.6	4.5	5.3	5.4	3.8	5.3
ASC 087	4.5	7.4	6.9	6.1	4.2	4.4	4.8	4.3	4.6	5.2
PST-4MB	4.9	7.0	7.6	6.0	4.2	4.4	4.3	4.9	3.8	5.2
ABT-HF-4	4.8	6.9	7.1	6.3	3.9	4.4	4.6	5.1	3.7	5.2
PST-4HM	4.9	6.9	7.1	6.3	4.1	4.5	4.7	5.0	3.2	5.2
SCALDIS	4.5	6.2	7.1	5.8	3.6	4.6	5.6	5.6	3.6	5.2
ASC 082	4.6	7.4	6.8	5.8	5.2	4.5	4.3	4.9	3.1	5.2
DEFIANT	4.3	6.8	6.9	6.1	3.5	4.4	4.9	5.4	4.3	5.2
ABT-HF-3	4.4	6.2	7.2	6.3	4.5	4.4	4.4	5.3	3.7	5.2
SHADEMARK	4.5	7.5	6.4	5.8	5.1	4.5	4.4	4.5	3.7	5.1
RESCUE 911	4.3	6.4	6.7	6.3	4.4	4.5	5.0	5.5	3.3	5.1
RELIANT II	5.0	6.0	7.1	6.1	4.1	4.4	5.1	5.5	2.9	5.1
MB-82	4.4	6.0	7.0	6.3	4.2	4.4	4.9	5.0	3.8	5.1
HERON	4.6	6.6	7.4	5.9	4.1	4.4	5.4	4.8	2.8	5.1
MINOTAUR	4.6	6.1	7.3	6.3	4.6	4.5	3.8	5.1	3.6	5.1
BIGHORN	5.0	6.2	7.0	5.8	3.8	4.5	4.6	4.9	3.5	5.0
DAWSON E+	5.1	5.9	5.7	6.0	4.4	4.5	5.3	4.2	3.9	5.0
SR 3200	4.6	6.7	6.6	5.4	4.1	4.5	4.5	4.3	3.8	4.9
QUATRO	4.2	6.1	6.6	5.3	4.4	4.4	4.2	4.8	3.8	4.9
COMMON CREEPING RED	5.2	5.7	5.8	5.6	4.5	4.5	4.3	3.9	3.1	4.7
BOREAL	5.0	5.4	5.8	5.5	4.8	4.4	4.6	3.7	2.6	4.7
ASC 172	3.8	5.0	6.2	4.7	4.6	4.1	3.7	3.8	3.6	4.4
SR 6000	3.7	4.7	4.6	3.2	3.1	3.8	2.8	2.7	3.5	3.6
LSD VALUE	0.6	1.0	0.9	0.7	1.1	0.3	1.1	0.8	0.9	0.3
C.V. (%)	8.1	9.1	7.6	7.8	14.5	4.1	13.8	10.5	12.8	10.1

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

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

TABLE 9B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT NINE LOCATIONS GROWN UNDER LOW INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	KS1	ME2	MI1	NC1	QE1	UT1	VA1	WA1	MEAN
LONGFELLOW II	5.2	7.9	7.6	5.9	5.7	4.8	5.9	4.9	5.8	6.0
CULOMBRA	5.5	7.7	7.3	5.9	5.3	4.9	5.7	5.2	5.8	5.9
PICK FRC A-93	5.0	7.4	7.4	6.1	5.0	4.7	5.3	4.9	6.2	5.8
MB-63	5.5	8.0	6.9	5.6	6.0	4.8	5.4	4.5	5.3	5.8
INTRIGUE	5.0	7.7	7.2	6.3	4.9	4.8	5.8	4.2	5.7	5.7
ABT-CHW-3	5.1	7.8	7.8	5.7	4.6	4.6	4.9	5.3	5.8	5.7
ACF 092	5.1	8.0	6.8	6.1	5.2	4.7	5.4	4.9	5.3	5.7
TREAZURE (E)	5.2	7.8	7.0	6.2	5.2	4.6	5.0	4.9	5.5	5.7
TIFFANY	5.1	7.2	7.1	5.4	5.6	4.7	5.3	5.3	5.6	5.7
BRITTANY	5.0	7.6	7.3	5.4	5.8	4.8	4.6	5.0	5.8	5.7
BAR CHF 8 FUS2	4.8	7.5	7.4	6.0	5.1	4.5	5.7	4.8	5.3	5.7
AMBASSADOR	4.8	7.7	7.4	5.8	5.6	4.5	4.6	4.8	5.9	5.7
PICK FRC 4-92	4.9	6.9	7.2	5.8	5.8	4.7	5.2	4.5	5.7	5.6
ABT-CHW-2	4.8	7.5	6.9	6.1	4.6	4.6	5.3	4.5	6.1	5.6
BRIDGEPORT	5.0	7.0	7.0	6.0	5.4	4.8	5.1	4.8	5.3	5.6
ACF 083	5.0	7.1	7.2	5.7	5.4	4.7	5.2	4.8	5.1	5.6
SR 5100	4.9	7.6	6.9	6.1	5.2	4.8	4.5	4.8	5.4	5.6
MAGIC	4.7	7.3	7.2	5.7	5.3	4.7	5.0	4.5	5.6	5.6
ABT-CHW-1	4.9	7.4	7.4	5.8	5.7	4.4	4.4	4.2	5.6	5.5
BANNER III	4.8	7.0	7.4	5.1	5.7	4.5	5.4	4.3	5.3	5.5
SANDPIPER	5.0	7.4	6.8	4.8	5.1	4.7	5.1	4.9	5.3	5.5
JAMESTOWN II	5.3	7.4	6.9	5.2	5.0	4.8	5.1	3.9	5.3	5.4
SHADOW II	4.5	6.7	6.6	5.6	4.9	4.6	5.4	5.1	5.2	5.4
PST-4HM	4.9	6.9	7.1	6.3	4.1	4.5	4.7	5.0	3.2	5.2
LSD VALUE	0.7	0.7	0.7	0.8	1.2	0.4	1.1	0.9	1.0	0.3
C.V. (%)	8.1	6.2	6.4	8.4	14.3	4.9	13.0	11.8	10.8	9.5

TABLE 9C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN AT NINE LOCATIONS GROWN UNDER LOW INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	KS1	ME2	MI1	NC1	QE1	UT1	VA1	WA1	MEAN
SEABREEZE	5.1	6.3	6.6	6.2	5.0	4.6	5.9	5.0	4.9	5.5
BAR SCF 8 FUS3	4.8	6.8	6.2	6.5	5.4	4.1	5.8	5.0	4.2	5.4
ASR 049	5.0	6.6	6.2	6.6	4.9	4.5	5.2	4.8	4.1	5.3
DAWSON E+	5.1	5.9	5.7	6.0	4.4	4.5	5.3	4.2	3.9	5.0
LSD VALUE	0.8	1.0	0.7	1.1	0.7	0.5	0.9	0.8	0.5	0.3
C.V. (%)	10.5	9.5	7.4	10.3	9.1	6.7	10.1	9.8	6.8	9.3

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

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

TABLE 9D. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN AT NINE LOCATIONS GROWN UNDER LOW INPUT 1/
1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									MEAN
	IL1	KS1	ME2	MI1	NC1	QE1	UT1	VA1	WA1	
JASPER II	5.6	7.9	7.2	6.4	5.7	4.6	5.6	5.3	5.0	5.9
BAR CF 8 FUS1	4.9	7.5	7.4	6.4	5.5	4.7	4.9	4.6	4.9	5.6
SHADEMASTER II	5.1	7.6	7.1	5.9	5.6	4.8	5.0	5.0	4.6	5.6
ISI FRR 5	5.2	8.3	7.1	6.2	5.5	4.6	5.1	4.5	4.1	5.6
PATHFINDER	5.0	7.7	7.3	6.2	5.4	4.6	4.7	4.5	5.2	5.6
SRX 52961	5.4	7.7	7.3	6.3	4.9	4.7	4.8	4.7	4.6	5.6
SALSA	5.6	7.6	7.1	6.0	4.5	4.6	5.1	4.6	5.3	5.6
FLORENTINE	4.9	7.8	7.4	5.8	5.3	4.5	5.2	4.4	5.0	5.6
ABT-CR-2	5.2	8.1	6.8	5.8	5.1	4.6	4.5	4.9	4.9	5.5
PST-4FR	5.0	8.0	7.7	6.1	5.1	4.5	4.7	4.7	4.1	5.5
ISI FRR 7	5.2	7.8	7.2	6.0	5.4	4.6	4.2	4.3	5.2	5.5
PST-EFL	5.2	7.9	7.2	6.1	4.7	4.5	4.6	5.1	4.4	5.5
ABT-CR-3	4.7	7.3	7.3	5.6	5.3	4.7	4.5	4.7	5.1	5.5
PST-47TCR	5.0	7.7	7.3	5.8	5.0	4.6	4.5	4.7	4.5	5.4
SRX 52LAV	5.4	7.7	6.5	6.6	4.9	4.7	4.9	4.3	3.9	5.4
DGSC 94	5.6	7.2	6.9	5.9	4.9	4.7	4.6	4.3	4.7	5.4
ASC 087	4.5	7.4	6.9	6.1	4.2	4.4	4.8	4.3	4.6	5.2
ASC 082	4.6	7.4	6.8	5.8	5.2	4.5	4.3	4.9	3.1	5.2
SHADEMARK	4.5	7.5	6.4	5.8	5.1	4.5	4.4	4.5	3.7	5.1
COMMON CREEPING RED	5.2	5.7	5.8	5.6	4.5	4.5	4.3	3.9	3.1	4.7
BOREAL	5.0	5.4	5.8	5.5	4.8	4.4	4.6	3.7	2.6	4.7
ASC 172	3.8	5.0	6.2	4.7	4.6	4.1	3.7	3.8	3.6	4.4
LSD VALUE	0.5	0.9	0.6	0.7	0.6	0.3	1.1	0.6	1.0	0.3
C.V. (%)	6.6	7.5	5.7	7.5	7.9	3.9	14.8	8.9	14.4	8.7

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

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

TABLE 9E. MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN AT NINE LOCATIONS GROWN UNDER LOW INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	KS1	ME2	MI1	NC1	QE1	UT1	VA1	WA1	MEAN
4001	4.9	7.0	8.0	6.1	4.1	4.6	6.1	6.2	4.3	5.7
ABT-HF1	4.8	6.5	7.2	6.2	4.8	4.5	6.0	6.2	3.8	5.5
OXFORD	4.9	6.7	7.7	5.8	4.8	4.4	5.0	5.8	4.6	5.5
BAR HF 8 FUS	4.7	6.9	7.1	5.6	4.8	4.5	5.6	5.4	4.2	5.4
NORDIC (E)	4.8	6.3	7.2	5.6	5.2	4.6	5.3	5.4	4.0	5.4
SRX 3961	4.4	6.4	7.2	6.4	4.6	4.5	5.3	5.6	3.8	5.4
PICK FF A-97	4.4	6.6	7.5	6.1	4.5	4.4	5.0	5.6	3.9	5.3
SCALDIS II (AHF 008)	4.5	6.3	6.8	6.0	4.1	4.5	6.4	5.3	4.0	5.3
ISI FL 11	4.8	6.7	7.2	6.0	4.7	4.5	4.6	5.1	4.4	5.3
ISI FL 12	4.7	6.6	7.5	6.2	4.1	4.5	4.7	5.7	3.8	5.3
ABT-HF-2	4.8	5.8	7.2	6.0	4.4	4.5	5.4	6.0	3.8	5.3
AHF 009	4.9	6.4	7.3	6.3	3.7	4.5	4.8	5.9	3.9	5.3
ATTILA E	4.6	6.7	7.0	6.1	3.8	4.3	5.7	5.5	3.8	5.3
OSPREY	4.9	6.4	6.4	6.1	3.9	4.5	5.6	5.7	3.9	5.3
DISCOVERY	4.6	6.4	6.9	5.8	4.6	4.5	5.3	5.4	3.8	5.3
ABT-HF-4	4.8	6.9	7.1	6.3	3.9	4.4	4.6	5.1	3.7	5.2
SCALDIS	4.5	6.2	7.1	5.8	3.6	4.6	5.6	5.6	3.6	5.2
DEFIANT	4.3	6.8	6.9	6.1	3.5	4.4	4.9	5.4	4.3	5.2
ABT-HF-3	4.4	6.2	7.2	6.3	4.5	4.4	4.4	5.3	3.7	5.2
RESCUE 911	4.3	6.4	6.7	6.3	4.4	4.5	5.0	5.5	3.3	5.1
RELIANT II	5.0	6.0	7.1	6.1	4.1	4.4	5.1	5.5	2.9	5.1
MB-82	4.4	6.0	7.0	6.3	4.2	4.4	4.9	5.0	3.8	5.1
HERON	4.6	6.6	7.4	5.9	4.1	4.4	5.4	4.8	2.8	5.1
BIGHORN	5.0	6.2	7.0	5.8	3.8	4.5	4.6	4.9	3.5	5.0
LSD VALUE	0.7	1.3	1.0	0.7	1.4	0.2	1.1	1.0	0.9	0.3
C.V. (%)	8.8	12.4	8.4	7.1	20.1	2.5	13.5	10.8	15.2	11.4

TABLE 9F. MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS
GROWN AT NINE LOCATIONS GROWN UNDER LOW INPUT 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	KS1	ME2	MI1	NC1	QE1	UT1	VA1	WA1	MEAN
PST-4MB	4.9	7.0	7.6	6.0	4.2	4.4	4.3	4.9	3.8	5.2
MINOTAUR	4.6	6.1	7.3	6.3	4.6	4.5	3.8	5.1	3.6	5.1
SR 3200	4.6	6.7	6.6	5.4	4.1	4.5	4.5	4.3	3.8	4.9
QUATRO	4.2	6.1	6.6	5.3	4.4	4.4	4.2	4.8	3.8	4.9
SR 6000	3.7	4.7	4.6	3.2	3.1	3.8	2.8	2.7	3.5	3.6
LSD VALUE	0.6	1.2	1.5	0.5	1.2	0.2	1.2	0.6	0.6	0.3
C.V. (%)	8.2	12.6	14.6	6.0	18.8	3.3	18.3	8.5	9.4	12.4

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

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

TABLE 10A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER DIFFERENT MANAGEMENT REGIMES 1/
1999 DATA

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

NAME	HIGH INPUT	MEDIUM INPUT	LOW INPUT	MEAN
LONGFELLOW II	6.2	6.2	6.0	6.1
JASPER II	6.0	6.2	5.9	6.1
4001	6.0	6.1	5.7	5.9
AMBASSADOR	6.2	6.0	5.7	5.9
ABT-CHW-3	6.3	5.9	5.7	5.9
ABT-CHW-2	6.2	6.0	5.6	5.9
INTRIGUE	6.1	5.9	5.7	5.9
SRX 52961	5.9	5.9	5.6	5.8
TREAZURE (E)	6.0	5.8	5.7	5.8
CULOMBRA	6.0	5.7	5.9	5.8
ABT-HF1	5.8	6.0	5.5	5.8
ABT-CR-2	5.8	5.9	5.5	5.8
PICK FRC A-93	6.0	5.6	5.8	5.8
ABT-CR-3	5.9	5.9	5.5	5.8
OXFORD	5.8	5.9	5.5	5.8
SHADOW II	6.1	5.8	5.4	5.7
PST-EFL	5.7	5.8	5.5	5.7
ISI FRR 7	5.9	5.7	5.5	5.7
ISI FRR 5	5.8	5.7	5.6	5.7
SRX 3961	5.7	5.9	5.4	5.7
PST-4FR	5.8	5.8	5.5	5.7
FLORENTINE	5.8	5.6	5.6	5.7
PATHFINDER	5.9	5.6	5.6	5.7
SHADEMASTER II	5.8	5.6	5.6	5.6
TIFFANY	5.9	5.5	5.7	5.6
BAR HF 8 FUS	5.8	5.7	5.4	5.6
PICK FRC 4-92	6.1	5.4	5.6	5.6
ACF 092	5.7	5.5	5.7	5.6
BAR CHF 8 FUS2	6.0	5.4	5.7	5.6
SR 5100	5.9	5.5	5.6	5.6
BRITTANY	6.0	5.4	5.7	5.6
NORDIC (E)	5.8	5.7	5.4	5.6
BRIDGEPORT	5.9	5.4	5.6	5.6
ABT-CHW-1	5.9	5.4	5.5	5.6
BAR CF 8 FUS1	5.7	5.4	5.6	5.6
ABT-HF-2	5.7	5.7	5.3	5.6
MB-63	5.8	5.3	5.8	5.6
MAGIC	5.8	5.5	5.6	5.6
BAR SCF 8 FUS3	6.1	5.4	5.4	5.5
ACF 083	5.8	5.4	5.6	5.5
ISI FL 12	5.7	5.5	5.3	5.5
ISI FL 11	5.6	5.6	5.3	5.5
BANNER III	5.8	5.3	5.5	5.5
AHF 009	5.6	5.5	5.3	5.5
SALSA	5.8	5.2	5.6	5.5

TABLE 10A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
(CONT'D) GROWN UNDER DIFFERENT MANAGEMENT REGIMES
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	HIGH INPUT	MEDIUM INPUT	LOW INPUT	MEAN
ASR 049	6.1	5.3	5.3	5.5
PST-47TCR	5.7	5.3	5.4	5.4
ABT-HF-4	5.8	5.4	5.2	5.4
PST-4MB	5.6	5.5	5.2	5.4
DISCOVERY	5.5	5.5	5.3	5.4
RELIANT II	5.9	5.4	5.1	5.4
PST-4HM	5.6	5.5	5.2	5.4
SANDPIPER	5.8	5.2	5.5	5.4
DGSC 94	5.6	5.3	5.4	5.4
SEABREEZE	5.8	5.1	5.5	5.4
OSPREY	5.5	5.4	5.3	5.4
PICK FF A-97	5.5	5.4	5.3	5.4
ABT-HF-3	5.6	5.4	5.2	5.3
ATTILA E	5.7	5.2	5.3	5.3
SCALDIS	5.6	5.3	5.2	5.3
JAMESTOWN II	5.8	5.0	5.4	5.3
HERON	5.7	5.3	5.1	5.3
SRX 52LAV	5.3	5.2	5.4	5.3
RESCUE 911	5.3	5.4	5.1	5.3
MB-82	5.6	5.3	5.1	5.3
SCALDIS II (AHF 008)	5.5	5.1	5.3	5.3
MINOTAUR	5.4	5.3	5.1	5.3
DEFIANT	5.4	5.2	5.2	5.3
ASC 082	5.3	5.3	5.2	5.2
ASC 087	5.5	5.0	5.2	5.2
SHADEMARK	5.4	5.0	5.1	5.1
DAWSON E+	5.7	4.8	5.0	5.1
BIGHORN	5.0	5.1	5.0	5.1
QUATRO	5.6	4.9	4.9	5.0
SR 3200	5.2	4.8	4.9	4.9
ASC 172	5.0	4.7	4.4	4.6
BOREAL	5.4	4.2	4.7	4.6
COMMON CREEPING RED	5.3	4.1	4.7	4.5
SR 6000	4.9	3.8	3.6	3.9
LSD VALUE	0.3	0.2	0.3	0.2
C.V. (%)	8.2	10.3	10.1	9.8

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

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

TABLE 10B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER DIFFERENT MANAGEMENT REGIMES 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	HIGH INPUT	MEDIUM INPUT	LOW INPUT	MEAN
LONGFELLOW II	6.2	6.2	6.0	6.1
AMBASSADOR	6.2	6.0	5.7	5.9
ABT-CHW-3	6.3	5.9	5.7	5.9
ABT-CHW-2	6.2	6.0	5.6	5.9
INTRIGUE	6.1	5.9	5.7	5.9
TREAZURE (E)	6.0	5.8	5.7	5.8
CULOMBRA	6.0	5.7	5.9	5.8
PICK FRC A-93	6.0	5.6	5.8	5.8
SHADOW II	6.1	5.8	5.4	5.7
TIFFANY	5.9	5.5	5.7	5.6
PICK FRC 4-92	6.1	5.4	5.6	5.6
ACF 092	5.7	5.5	5.7	5.6
BAR CHF 8 FUS2	6.0	5.4	5.7	5.6
SR 5100	5.9	5.5	5.6	5.6
BRITTANY	6.0	5.4	5.7	5.6
BRIDGEPORT	5.9	5.4	5.6	5.6
ABT-CHW-1	5.9	5.4	5.5	5.6
MB-63	5.8	5.3	5.8	5.6
MAGIC	5.8	5.5	5.6	5.6
ACF 083	5.8	5.4	5.6	5.5
BANNER III	5.8	5.3	5.5	5.5
PST-4HM	5.6	5.5	5.2	5.4
SANDPIPER	5.8	5.2	5.5	5.4
JAMESTOWN II	5.8	5.0	5.4	5.3
LSD VALUE	0.3	0.2	0.3	0.2
C.V. (%)	7.8	9.9	9.5	9.4

TABLE 10C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER DIFFERENT MANAGEMENT REGIMES 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	HIGH INPUT	MEDIUM INPUT	LOW INPUT	MEAN
BAR SCF 8 FUS3	6.1	5.4	5.4	5.5
ASR 049	6.1	5.3	5.3	5.5
SEABREEZE	5.8	5.1	5.5	5.4
DAWSON E+	5.7	4.8	5.0	5.1
LSD VALUE	0.3	0.2	0.3	0.2
C.V. (%)	7.7	11.2	9.3	9.9

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

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

TABLE 10D. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER DIFFERENT MANAGEMENT REGIMES 1/
1999 DATA

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

NAME	HIGH INPUT	MEDIUM INPUT	LOW INPUT	MEAN
JASPER II	6.0	6.2	5.9	6.1
SRX 52961	5.9	5.9	5.6	5.8
ABT-CR-2	5.8	5.9	5.5	5.8
ABT-CR-3	5.9	5.9	5.5	5.8
PST-EFL	5.7	5.8	5.5	5.7
ISI FRR 7	5.9	5.7	5.5	5.7
ISI FRR 5	5.8	5.7	5.6	5.7
PST-4FR	5.8	5.8	5.5	5.7
FLORENTINE	5.8	5.6	5.6	5.7
PATHFINDER	5.9	5.6	5.6	5.7
SHADEMASTER II	5.8	5.6	5.6	5.6
BAR CF 8 FUS1	5.7	5.4	5.6	5.6
SALSA	5.8	5.2	5.6	5.5
PST-47TCR	5.7	5.3	5.4	5.4
DGSC 94	5.6	5.3	5.4	5.4
SRX 52LAV	5.3	5.2	5.4	5.3
ASC 082	5.3	5.3	5.2	5.2
ASC 087	5.5	5.0	5.2	5.2
SHADEMARK	5.4	5.0	5.1	5.1
ASC 172	5.0	4.7	4.4	4.6
BOREAL	5.4	4.2	4.7	4.6
COMMON CREEPING RED	5.3	4.1	4.7	4.5
LSD VALUE	0.3	0.2	0.3	0.2
C.V. (%)	8.0	10.6	8.7	9.6

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

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

TABLE 10E. MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN UNDER DIFFERENT MANAGEMENT REGIMES 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	HIGH INPUT	MEDIUM INPUT	LOW INPUT	MEAN
4001	6.0	6.1	5.7	5.9
ABT-HF1	5.8	6.0	5.5	5.8
OXFORD	5.8	5.9	5.5	5.8
SRX 3961	5.7	5.9	5.4	5.7
BAR HF 8 FUS	5.8	5.7	5.4	5.6
NORDIC (E)	5.8	5.7	5.4	5.6
ABT-HF-2	5.7	5.7	5.3	5.6
ISI FL 12	5.7	5.5	5.3	5.5
ISI FL 11	5.6	5.6	5.3	5.5
AHF 009	5.6	5.5	5.3	5.5
ABT-HF-4	5.8	5.4	5.2	5.4
DISCOVERY	5.5	5.5	5.3	5.4
RELIANT II	5.9	5.4	5.1	5.4
OSPREY	5.5	5.4	5.3	5.4
PICK FF A-97	5.5	5.4	5.3	5.4
ABT-HF-3	5.6	5.4	5.2	5.3
ATTILA E	5.7	5.2	5.3	5.3
SCALDIS	5.6	5.3	5.2	5.3
HERON	5.7	5.3	5.1	5.3
RESCUE 911	5.3	5.4	5.1	5.3
MB-82	5.6	5.3	5.1	5.3
SCALDIS II (AHF 008)	5.5	5.1	5.3	5.3
DEFIANT	5.4	5.2	5.2	5.3
BIGHORN	5.0	5.1	5.0	5.1
LSD VALUE	0.3	0.2	0.3	0.2
C.V. (%)	8.5	10.2	11.4	10.3

TABLE 10F. MEAN TURFGRASS QUALITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS
GROWN UNDER DIFFERENT MANAGEMENT REGIMES 1/
1999 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	HIGH INPUT	MEDIUM INPUT	LOW INPUT	MEAN
PST-4MB	5.6	5.5	5.2	5.4
MINOTAUR	5.4	5.3	5.1	5.3
QUATRO	5.6	4.9	4.9	5.0
SR 3200	5.2	4.8	4.9	4.9
SR 6000	4.9	3.8	3.6	3.9
LSD VALUE	0.3	0.2	0.3	0.2
C.V. (%)	9.4	11.2	12.4	11.2

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

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

TABLE 11A.

GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	KY1	ME1	ME2	MO1	MT1	NC1	NC2	NE1	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA3	WI1	WI2	MEAN
ISI FL 11	7.3	8.0	7.3	6.0	9.0	8.3	7.3	5.7	6.3	7.7	7.7	7.0	8.7	6.3	6.7	6.7	6.0	8.0	6.7	6.3	7.3	8.7	7.3	8.0	7.3
ASC 172	6.3	8.0	7.0	4.3	9.0	8.7	8.3	6.0	7.0	8.0	9.0	7.0	7.7	7.0	7.3	9.0	6.3	7.7	6.3	4.7	5.3	7.7	8.0	8.0	7.2
RESCUE 911	6.3	7.7	8.0	4.7	9.0	8.3	8.0	4.7	6.7	7.0	7.3	7.0	8.0	6.7	6.3	7.3	6.3	7.3	6.7	7.0	7.0	8.0	8.0	8.0	7.1
OXFORD	7.0	7.3	7.0	6.7	8.0	7.7	8.7	6.3	6.3	7.0	7.7	6.7	7.3	6.7	6.3	7.0	6.0	7.7	5.7	7.3	6.7	8.0	7.7	8.0	7.1
BAR HF 8 FUS	6.7	8.0	6.7	6.0	9.0	8.0	7.7	6.3	6.7	7.7	8.0	7.3	8.0	7.0	6.0	7.0	6.0	7.3	4.7	7.7	6.3	7.7	7.3	7.3	7.1
BIGHORN	6.0	7.0	6.0	7.0	7.0	8.7	8.3	5.0	7.0	7.3	5.3	7.3	8.7	6.3	5.7	7.0	7.0	8.3	5.7	7.3	7.3	8.7	7.7	8.0	7.1
PICK FRC 4-92	6.7	6.7	7.0	6.0	7.7	8.3	8.0	6.3	7.3	7.7	7.7	6.7	7.7	6.7	6.7	8.0	6.0	7.0	5.3	5.7	5.7	7.3	8.0	8.3	7.0
ABT-CR-2	5.7	8.0	7.7	5.7	7.3	8.0	8.3	7.0	6.7	6.7	8.3	6.7	7.3	7.0	7.0	8.0	6.0	7.0	6.0	5.7	5.7	7.3	7.3	7.7	7.0
4001	7.0	8.0	7.0	6.0	8.3	7.3	8.0	5.3	6.0	7.3	7.3	7.3	7.0	6.0	6.0	7.3	6.0	7.7	6.0	7.3	7.0	7.0	7.3	8.0	7.0
ABT-HF-3	5.7	8.0	6.0	6.3	7.3	8.3	7.3	5.0	6.3	7.3	4.7	7.7	7.3	7.0	6.0	7.0	7.0	8.7	6.3	7.3	7.0	8.0	8.0	8.0	7.0
PST-47TCR	6.0	7.0	7.0	5.7	8.0	7.7	7.7	5.7	7.0	7.3	9.0	7.3	7.3	6.7	7.0	8.0	6.3	7.7	6.3	5.7	5.0	6.3	8.0	8.0	7.0
PST-4MB	6.0	8.0	6.0	6.3	7.0	8.3	8.7	6.0	7.3	7.3	5.0	8.0	8.0	6.3	5.7	7.0	6.7	8.3	5.3	6.3	6.3	8.0	7.3	8.0	7.0
BAR CHF 8 FUS2	6.3	7.7	7.7	5.7	8.0	8.0	8.0	5.7	7.3	7.7	7.7	7.0	6.3	6.0	6.7	7.3	6.0	8.0	6.3	5.3	6.0	6.7	8.0	8.0	7.0
PST-4FR	6.0	7.3	7.0	6.3	8.3	7.0	8.3	6.7	7.0	6.3	8.0	7.0	6.0	7.0	7.3	7.7	6.0	7.0	7.0	6.3	6.0	6.3	8.0	7.3	7.0
ABT-HF-4	6.0	8.0	6.0	6.0	7.3	8.0	7.3	4.7	6.7	7.7	5.3	7.3	7.7	7.0	6.3	7.3	6.7	8.0	6.0	7.3	7.0	8.0	7.7	8.0	7.0
MB-82	6.3	7.3	6.7	6.0	7.7	7.7	7.7	5.3	6.7	7.3	8.0	7.0	7.7	6.7	6.0	7.0	6.0	8.3	6.3	7.3	6.0	7.3	7.0	7.7	7.0
MINOTAUR	6.0	7.7	6.0	6.0	7.0	7.7	8.0	5.7	6.7	7.0	5.0	7.3	8.0	6.0	6.0	7.0	7.0	8.3	5.7	6.7	8.0	8.0	7.3	8.0	6.9
AMBASSADOR	6.0	7.0	7.0	5.3	7.0	8.3	8.3	6.3	7.3	7.3	8.3	7.0	7.3	7.7	6.7	7.0	6.0	6.3	6.0	4.7	6.0	6.7	8.0	7.7	6.9
FLORENTINE	6.3	8.0	7.0	5.7	7.3	7.3	7.3	5.7	7.0	7.0	8.3	6.3	7.3	7.0	7.3	8.0	6.0	7.3	6.0	6.0	5.7	6.0	7.7	7.3	6.9
BRITTANY	6.3	8.0	7.7	5.3	6.7	8.0	8.3	6.0	7.7	7.7	8.3	7.3	7.3	6.7	6.7	6.3	6.0	6.7	5.3	4.3	5.7	7.0	8.0	7.3	6.9
ABT-CR-3	5.7	8.0	8.3	5.7	7.3	7.7	8.0	6.0	6.0	6.7	8.0	7.0	7.0	6.7	7.3	8.0	6.0	6.3	6.3	4.3	6.3	6.7	8.0	7.0	6.8
PICK FF A-97	5.7	7.7	6.0	6.0	8.3	8.0	7.7	6.0	7.0	6.7	7.0	6.7	7.3	6.7	6.0	6.3	6.0	7.3	5.0	6.7	6.7	8.0	7.7	7.7	6.8
SCALDIS II (AHF 008)	6.0	8.0	6.3	6.3	7.3	8.0	8.0	4.3	6.3	7.7	8.0	6.3	7.3	6.3	6.0	7.3	6.0	7.7	5.7	7.0	6.0	7.3	7.0	7.3	6.8
ABT-HF1	6.0	7.7	6.3	6.0	8.0	7.7	7.0	5.7	6.3	7.0	7.3	7.3	7.0	6.0	6.0	7.0	6.0	7.0	5.7	7.3	6.7	7.0	7.7	8.0	6.8
PICK FRC A-93	6.7	8.0	7.3	6.3	6.7	8.0	8.0	5.7	7.7	7.0	8.0	6.3	7.0	6.3	6.3	7.7	6.0	6.7	5.7	5.0	5.7	6.7	7.7	7.3	6.8
ISI FL 12	6.3	7.0	6.3	5.7	8.7	8.0	7.3	5.3	6.7	6.0	7.7	6.7	7.7	6.7	6.3	5.7	6.0	7.7	5.3	7.0	6.7	7.3	7.0	8.0	6.8
AHF 009	6.0	7.7	6.3	6.0	7.7	7.7	7.7	5.3	6.3	7.3	7.7	6.3	7.3	6.3	5.7	7.0	6.0	7.3	5.7	7.3	6.7	7.3	7.0	7.3	6.8
BAR CF 8 FUS1	6.0	7.0	6.7	5.7	7.0	7.7	7.3	6.0	7.7	6.7	8.3	6.0	7.3	6.7	6.7	8.0	5.7	7.0	6.7	5.7	5.7	6.3	8.0	7.3	6.8
ABT-CHW-3	6.0	6.7	7.3	5.7	6.3	8.3	8.3	5.7	7.7	7.7	7.7	6.3	8.0	6.0	6.3	7.0	6.0	6.3	5.7	5.7	5.7	7.0	7.3	7.7	6.8
SR 3200	6.0	8.0	5.7	5.3	7.0	8.7	8.0	5.3	7.0	6.3	5.3	7.7	7.7	7.7	7.3	6.0	7.0	8.0	5.0	4.7	6.0	7.7	7.7	7.7	6.8
LONGFELLOW II	6.0	7.0	8.0	5.3	6.0	8.0	7.3	6.3	7.7	7.0	7.7	6.7	7.0	5.7	6.7	7.0	6.0	6.3	6.0	6.3	5.7	6.7	8.0	7.3	6.7
ABT-CHW-2	5.7	7.0	6.0	5.0	6.7	8.0	8.0	6.7	7.0	7.0	7.3	7.3	7.7	6.3	7.0	7.7	6.0	6.0	7.0	5.0	5.0	7.0	7.7	7.3	6.7
INTRIGUE	5.7	7.0	7.3	6.0	6.3	8.3	8.0	5.3	7.3	7.3	7.3	6.7	7.0	6.3	7.0	7.0	6.0	6.3	6.7	4.7	5.7	6.7	8.0	7.3	6.7
ATTLA E	7.0	7.7	6.7	5.7	7.3	7.3	7.7	5.3	6.0	7.0	7.7	6.7	7.0	6.0	6.0	6.7	6.0	7.3	5.0	6.7	7.0	6.7	7.3	7.3	6.7
PST-4HM	5.7	7.0	6.3	6.3	8.0	7.7	8.0	5.0	6.3	7.0	7.7	6.0	7.0	6.3	6.0	7.0	6.0	7.7	5.7	6.0	6.7	7.3	7.0	7.3	6.7
ASR 049	5.0	7.7	7.0	6.3	7.0	7.7	8.0	5.0	7.7	6.0	8.0	7.0	7.0	6.3	7.0	7.3	6.0	6.0	5.7	6.7	6.7	6.0	7.0	7.0	6.7
BAR SCF 8 FUS3	4.7	7.7	7.7	5.7	7.3	8.3	7.3	5.0	7.3	6.3	8.3	6.3	6.3	6.3	7.0	7.3	6.3	6.0	6.0	6.3	6.0	6.7	7.7	7.0	6.7
CULOMBRA	5.3	7.0	7.0	5.7	7.3	8.0	8.3	6.0	7.7	7.3	7.7	6.7	6.3	6.0	6.7	6.0	6.0	7.3	6.0	5.0	5.7	6.7	7.7	7.3	6.7
NORDIC (E)	6.0	8.0	6.7	6.7	8.0	7.7	7.3	5.3	5.7	7.0	6.7	7.3	7.0	6.7	6.0	6.3	6.0	7.0	4.7	7.0	6.7	6.7	7.0	7.3	6.7
ABT-CHW-1	5.7	8.0	7.0	5.0	6.7	8.3	8.0	5.7	6.3	7.3	.	6.7	6.7	6.0	6.0	7.3	6.3	7.3	6.3	5.3	5.7	6.3	8.0	7.3	6.7
JASPER II	5.3	8.0	7.0	5.3	6.0	7.7	7.7	6.0	7.7	6.7	8.0	6.7	6.3	7.0	7.0	7.3	6.0	6.3	6.3	4.3	5.7	6.3	8.0	7.3	6.7
DEFIANT	6.0	7.0	6.7	5.3	7.7	7.7	7.3	4.7	6.3	6.7	7.7	7.3	6.3	5.7	6.3	6.7	6.0	8.0	5.0	6.7	6.3	7.7	7.3	7.3	6.7
DISCOVERY	6.3	7.0	7.0	5.3	8.0	7.0	7.3	5.0	6.3	7.0	7.0	6.7	7.0	6.7	6.0	6.7	6.0	7.7	4.7	7.3	6.7	7.0	7.0	7.0	6.7
HERON	6.7	8.0	6.0	5.3	8.0	7.0	7.3	6.0	6.3	6.0	7.7	6.3	6.7	7.0	5.7	7.0	6.0	7.0	5.0	6.7	6.3	7.0	7.0	7.3	6.6

TABLE 11A. (CONT'D)

GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS
1999 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	CA1	CO1	IA1	IL1	KY1	ME1	ME2	MO1	MT1	NC1	NC2	NE1	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA3	WI1	WI2	MEAN
ABT-HF-2	6.3	8.0	7.0	6.0	8.0	7.3	7.7	6.3	5.3	6.3	7.0	6.3	6.7	6.3	5.3	6.3	5.7	7.7	5.3	7.3	6.7	6.7	6.7	7.0	6.6
BANNER III	5.7	7.0	7.0	5.7	6.7	8.0	7.7	6.0	7.0	7.3	7.3	6.0	7.0	7.0	6.3	7.0	6.0	6.7	5.3	5.3	5.0	6.7	8.0	7.3	6.6
MAGIC	6.0	7.7	6.7	5.3	6.7	8.3	7.7	6.0	6.7	7.3	7.3	7.0	7.0	5.7	6.3	6.3	6.0	7.0	6.0	5.0	5.3	6.3	7.7	7.3	6.6
SCALDIS	6.3	7.0	6.3	5.7	8.0	8.0	7.7	5.0	6.3	6.3	7.7	6.3	6.7	6.3	6.0	6.3	6.0	7.3	4.7	6.3	6.3	7.3	7.3	7.3	6.6
OSPREY	6.3	7.0	6.7	6.3	8.0	7.3	7.7	5.3	6.0	6.0	7.3	6.7	6.7	6.0	5.7	7.0	6.0	6.7	5.0	6.7	6.3	7.3	7.3	7.0	6.6
QUATRO	5.3	8.0	5.7	5.7	6.3	7.0	8.0	5.3	7.0	5.3	6.3	7.0	7.3	6.7	6.7	7.0	6.0	5.3	4.7	7.7	6.7	7.3	7.7	8.0	6.6
SR 6000	6.3	8.7	4.7	4.3	8.3	6.3	7.0	6.0	7.7	6.0	6.7	7.3	7.0	5.7	6.3	8.0	6.0	6.3	7.7	5.7	6.3	6.7	7.0	6.0	6.6
SRX 3961	5.7	8.0	7.3	5.7	7.3	6.7	8.0	6.0	6.7	5.7	6.7	7.0	6.3	6.0	6.0	7.0	5.7	7.3	5.3	6.3	6.3	7.0	6.3	7.0	6.6
SRX 52961	5.7	8.0	7.0	5.7	7.3	7.0	7.7	6.7	6.3	6.0	8.0	6.3	6.7	6.3	6.7	8.0	6.0	5.7	5.7	4.7	5.7	6.0	7.3	7.0	6.6
RELIANT II	5.0	7.0	6.7	6.0	7.0	7.7	7.7	4.7	6.0	6.7	7.3	6.7	6.7	6.3	6.0	6.3	6.0	7.0	5.3	7.0	6.3	7.0	7.0	7.7	6.5
ISI FRR 7	5.7	8.0	7.0	4.7	6.3	7.7	7.7	6.3	7.3	6.3	7.7	6.0	7.0	7.0	6.7	7.3	6.0	6.3	5.7	4.0	5.0	7.0	7.0	7.0	6.5
MB-63	6.3	7.0	6.7	5.7	6.0	7.7	7.7	6.3	6.7	7.0	7.0	7.0	6.3	5.3	6.3	6.3	6.0	6.3	5.7	5.7	6.3	6.7	7.3	7.3	6.5
ASC 082	6.7	7.7	6.7	5.3	6.3	6.7	7.7	5.3	6.3	6.3	8.0	6.3	6.7	6.7	6.7	7.3	6.0	6.7	6.0	4.3	5.7	6.7	7.0	7.3	6.5
SRX 52LAV	5.7	7.0	6.3	6.3	6.7	7.3	7.7	6.3	5.7	5.3	8.3	6.7	7.0	6.3	6.7	7.7	6.0	7.0	6.0	5.0	4.0	6.3	7.3	7.0	6.5
SHADOW II	5.7	7.0	7.0	5.7	7.0	7.7	8.0	6.0	7.0	6.3	7.3	5.7	6.3	6.7	6.3	6.3	6.0	6.0	5.0	5.3	5.7	6.3	7.7	7.3	6.5
PATHFINDER	5.7	7.0	6.3	4.7	6.3	7.3	7.7	6.7	6.3	6.0	8.3	6.7	7.0	6.3	6.7	7.3	6.0	6.0	5.0	5.0	5.7	6.0	7.7	7.3	6.5
ISI FRR 5	5.0	7.7	7.0	5.3	6.3	7.7	7.7	6.0	7.0	6.0	8.0	6.0	6.7	5.7	6.7	7.0	6.0	5.7	7.0	4.7	5.3	6.0	7.3	7.0	6.4
SHADEMASTER II	5.3	7.3	6.3	5.3	6.0	7.7	8.0	6.7	6.3	6.7	7.0	6.0	6.3	6.0	6.7	7.0	6.0	6.3	6.0	5.3	6.0	6.0	7.3	7.0	6.4
DGSC 94	5.7	6.3	5.7	5.7	7.3	6.7	7.7	5.3	6.7	6.3	7.7	6.7	6.3	6.3	7.0	7.3	6.0	6.7	5.0	6.3	5.0	7.0	7.0	6.7	6.4
PST-EFL	5.7	7.0	6.3	5.7	7.0	7.3	7.3	5.0	6.7	6.0	7.7	6.7	6.0	6.3	7.0	7.0	6.0	5.3	6.0	6.0	5.7	6.0	7.3	7.0	6.4
ACF 083	6.0	8.0	6.3	5.7	8.7	8.0	7.7	5.7	6.7	6.7	7.0	6.0	5.3	6.7	6.3	6.0	6.0	5.7	4.7	5.0	5.3	6.0	7.3	7.0	6.4
TIFFANY	5.3	7.0	8.0	5.7	6.0	7.0	8.0	5.7	6.3	6.7	7.0	6.7	6.7	6.3	6.3	5.3	6.0	6.0	5.7	4.7	5.7	6.0	7.0	7.0	6.3
ACF 092	5.7	7.7	6.7	5.7	5.7	6.7	7.3	6.3	6.0	7.0	7.0	6.0	5.0	6.0	6.0	6.3	5.7	6.7	5.7	5.0	5.7	6.0	7.0	7.0	6.2
ASC 087	5.3	6.7	6.0	5.0	6.0	7.0	7.7	4.3	6.0	6.7	7.0	6.3	6.3	6.0	6.7	7.7	6.0	5.7	6.3	4.7	6.0	5.7	7.3	7.3	6.2
SR 5100	5.0	7.0	7.0	4.3	5.7	8.3	8.0	6.7	6.7	6.3	7.3	6.3	5.7	6.0	6.0	6.7	6.0	6.3	5.7	3.7	4.7	5.7	7.0	7.0	6.2
BRIDGEPORT	5.7	7.7	6.7	5.0	6.3	7.0	7.7	6.0	6.3	6.7	7.3	6.3	5.0	6.0	6.3	5.7	6.0	6.7	5.0	4.3	5.0	6.0	7.0	7.0	6.2
SHADEMARK	4.7	7.0	5.7	4.3	6.0	6.7	7.3	6.0	6.7	6.7	8.0	7.0	6.7	5.0	7.0	7.0	6.0	5.7	5.3	4.0	5.0	5.7	7.3	7.0	6.2
SANDPIPER	5.3	8.0	6.7	5.0	6.7	7.3	7.3	5.0	6.3	6.3	7.3	5.0	6.0	5.0	6.0	6.0	6.0	6.3	5.0	5.0	5.7	6.0	7.3	6.7	6.1
SEABREEZE	5.0	7.7	5.7	5.7	4.7	7.3	7.3	6.0	6.3	5.7	6.7	6.3	6.3	5.7	6.3	5.3	6.0	4.7	5.3	6.3	5.7	6.3	7.3	7.0	6.1
JAMESTOWN II	5.0	8.0	6.0	4.7	6.0	7.7	7.7	6.0	5.7	6.0	6.0	6.3	5.0	5.3	6.3	4.7	6.0	6.0	4.7	4.0	4.7	5.7	7.3	7.0	5.9
BOREAL	4.3	6.3	5.7	5.3	7.0	5.3	6.3	5.3	6.0	6.3	7.3	5.7	6.3	5.3	6.0	5.7	6.0	7.0	5.0	3.3	5.3	6.0	7.0	7.0	5.9
TREAZURE (E)	5.3	7.3	6.0	5.7	5.0	7.0	7.0	6.0	6.0	6.0	7.3	6.3	5.3	5.7	6.0	3.7	5.7	6.0	5.3	4.3	4.7	6.0	7.3	6.0	5.9
DAWSON E+	4.7	7.0	6.0	5.0	6.7	7.0	7.3	5.0	6.3	5.3	7.0	6.0	5.3	5.0	6.3	5.3	5.7	4.3	5.3	4.0	6.3	5.3	7.0	6.7	5.8
COMMON CREEPING RED	4.3	6.0	5.7	4.7	6.7	5.0	6.7	5.3	5.3	6.0	6.7	5.7	6.0	5.7	6.0	6.0	6.0	7.7	3.7	4.0	5.0	6.0	6.7	6.7	5.7
SALSA	4.3	8.0	6.3	5.7	4.0	5.3	6.3	4.7	5.3	5.7	5.7	6.3	5.0	5.7	5.7	4.7	5.7	6.0	4.3	3.7	5.3	5.3	7.0	6.3	5.5
LSD VALUE	1.1	0.5	1.2	1.2	0.9	1.2	1.0	1.7	1.0	1.0	1.0	1.2	1.1	1.2	1.0	0.9	0.4	0.9	1.2	1.5	1.4	0.8	0.7	0.7	0.2
C.V. (%)	11.3	4.4	11.4	13.7	8.1	9.6	8.4	18.2	8.9	9.2	8.9	11.6	10.5	11.5	9.6	8.2	4.0	8.4	13.2	16.3	14.9	7.3	5.7	6.2	10.1

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

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

TABLE 11B.

GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/																						MEAN		
	CA1	CO1	IA1	IL1	KY1	ME1	ME2	MO1	MT1	NC1	NC2	NE1	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA3		WI1	WI2
PICK FRC 4-92	6.7	6.7	7.0	6.0	7.7	8.3	8.0	6.3	7.3	7.7	7.7	6.7	7.7	6.7	6.7	8.0	6.0	7.0	5.3	5.7	5.7	7.3	8.0	8.3	7.0
BAR CHF 8 FUS2	6.3	7.7	7.7	5.7	8.0	8.0	8.0	5.7	7.3	7.7	7.7	7.0	6.3	6.0	6.7	7.3	6.0	8.0	6.3	5.3	6.0	6.7	8.0	8.0	7.0
AMBASSADOR	6.0	7.0	7.0	5.3	7.0	8.3	8.3	6.3	7.3	7.3	8.3	7.0	7.3	7.7	6.7	7.0	6.0	6.3	6.0	4.7	6.0	6.7	8.0	7.7	6.9
BRITTANY	6.3	8.0	7.7	5.3	6.7	8.0	8.3	6.0	7.7	7.7	8.3	7.3	7.3	6.7	6.7	6.3	6.0	6.7	5.3	4.3	5.7	7.0	8.0	7.3	6.9
PICK FRC A-93	6.7	8.0	7.3	6.3	6.7	8.0	8.0	5.7	7.7	7.0	8.0	6.3	7.0	6.3	6.3	7.7	6.0	6.7	5.7	5.0	5.7	6.7	7.7	7.3	6.8
ABT-CHW-3	6.0	6.7	7.3	5.7	6.3	8.3	8.3	5.7	7.7	7.7	7.7	6.3	8.0	6.0	6.3	7.0	6.0	6.3	5.7	5.7	5.7	7.0	7.3	7.7	6.8
LONGFELLOW II	6.0	7.0	8.0	5.3	6.0	8.0	7.3	6.3	7.7	7.0	7.7	6.7	7.0	5.7	6.7	7.0	6.0	6.3	6.0	6.3	5.7	6.7	8.0	7.3	6.7
ABT-CHW-2	5.7	7.0	6.0	5.0	6.7	8.0	8.0	6.7	7.0	7.0	7.3	7.3	7.7	6.3	7.0	7.7	6.0	6.0	7.0	5.0	5.0	7.0	7.7	7.3	6.7
INTRIGUE	5.7	7.0	7.3	6.0	6.3	8.3	8.0	5.3	7.3	7.3	7.3	6.7	7.0	6.3	7.0	7.0	6.0	6.3	6.7	4.7	5.7	6.7	8.0	7.3	6.7
PST-4HM	5.7	7.0	6.3	6.3	8.0	7.7	8.0	5.0	6.3	7.0	7.7	6.0	7.0	6.3	6.0	7.0	6.0	7.7	5.7	6.0	6.7	7.3	7.0	7.3	6.7
CULOMBRA	5.3	7.0	7.0	5.7	7.3	8.0	8.3	6.0	7.7	7.3	7.7	6.7	6.3	6.0	6.7	6.0	6.0	7.3	6.0	5.0	5.7	6.7	7.7	7.3	6.7
ABT-CHW-1	5.7	8.0	7.0	5.0	6.7	8.3	8.0	5.7	6.3	7.3	.	6.7	6.7	6.0	6.0	7.3	6.3	7.3	6.3	5.3	5.7	6.3	8.0	7.3	6.7
BANNER III	5.7	7.0	7.0	5.7	6.7	8.0	7.7	6.0	7.0	7.3	7.3	6.0	7.0	7.0	6.3	7.0	6.0	6.7	5.3	5.3	5.0	6.7	8.0	7.3	6.6
MAGIC	6.0	7.7	6.7	5.3	6.7	8.3	7.7	6.0	6.7	7.3	7.3	7.0	7.0	5.7	6.3	6.3	6.0	7.0	6.0	5.0	5.3	6.3	7.7	7.3	6.6
MB-63	6.3	7.0	6.7	5.7	6.0	7.7	7.7	6.3	6.7	7.0	7.0	7.0	6.3	5.3	6.3	6.3	6.0	6.3	5.7	5.7	6.3	6.7	7.3	7.3	6.5
SHADOW II	5.7	7.0	7.0	5.7	7.0	7.7	8.0	6.0	7.0	6.3	7.3	5.7	6.3	6.7	6.3	6.3	6.0	6.0	5.0	5.3	5.7	6.3	7.7	7.3	6.5
ACF 083	6.0	8.0	6.3	5.7	8.7	8.0	7.7	5.7	6.7	6.7	7.0	6.0	5.3	6.7	6.3	6.0	6.0	5.7	4.7	5.0	5.3	6.0	7.3	7.0	6.4
TIFFANY	5.3	7.0	8.0	5.7	6.0	7.0	8.0	5.7	6.3	6.7	7.0	6.7	6.7	6.3	6.3	5.3	6.0	6.0	5.7	4.7	5.7	6.0	7.0	7.0	6.3
ACF 092	5.7	7.7	6.7	5.7	5.7	6.7	7.3	6.3	6.0	7.0	7.0	6.0	5.0	6.0	6.0	6.3	5.7	6.7	5.7	5.0	5.7	6.0	7.0	7.0	6.2
SR 5100	5.0	7.0	7.0	4.3	5.7	8.3	8.0	6.7	6.7	6.3	7.3	6.3	5.7	6.0	6.0	6.7	6.0	6.3	5.7	3.7	4.7	5.7	7.0	7.0	6.2
BRIDGEPORT	5.7	7.7	6.7	5.0	6.3	7.0	7.7	6.0	6.3	6.7	7.3	6.3	5.0	6.0	6.3	5.7	6.0	6.7	5.0	4.3	5.0	6.0	7.0	7.0	6.2
SANDPIPER	5.3	8.0	6.7	5.0	6.7	7.3	7.3	5.0	6.3	6.3	7.3	5.0	6.0	5.0	6.0	6.0	6.0	6.3	5.0	5.0	5.7	6.0	7.3	6.7	6.1
JAMESTOWN II	5.0	8.0	6.0	4.7	6.0	7.7	7.7	6.0	5.7	6.0	6.0	6.3	5.0	5.3	6.3	4.7	6.0	6.0	4.7	4.0	4.7	5.7	7.3	7.0	5.9
TREAZURE (E)	5.3	7.3	6.0	5.7	5.0	7.0	7.0	6.0	6.0	6.0	7.3	6.3	5.3	5.7	6.0	3.7	5.7	6.0	5.3	4.3	4.7	6.0	7.3	6.0	5.9
LSD VALUE	1.0	0.5	1.4	1.1	1.0	1.2	0.9	1.7	1.0	0.9	0.9	1.1	1.0	1.2	0.9	0.8	0.3	0.8	1.3	1.4	1.4	0.9	0.6	0.8	0.2
C.V. (%)	10.4	4.2	12.1	12.3	9.2	9.5	7.0	17.8	9.1	7.9	7.8	10.9	9.6	12.4	9.2	7.5	3.4	7.8	14.1	17.7	16.2	8.9	5.2	6.5	10.0

TABLE 11C.

GENETIC COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/																						MEAN		
	CA1	CO1	IA1	IL1	KY1	ME1	ME2	MO1	MT1	NC1	NC2	NE1	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA3		WI1	WI2
ASR 049	5.0	7.7	7.0	6.3	7.0	7.7	8.0	5.0	7.7	6.0	8.0	7.0	7.0	6.3	7.0	7.3	6.0	6.0	5.7	6.7	6.7	6.0	7.0	7.0	6.7
BAR SCF 8 FUS3	4.7	7.7	7.7	5.7	7.3	8.3	7.3	5.0	7.3	6.3	8.3	6.3	6.3	6.3	7.0	7.3	6.3	6.0	6.0	6.3	6.0	6.7	7.7	7.0	6.7
SEABREEZE	5.0	7.7	5.7	5.7	4.7	7.3	7.3	6.0	6.3	5.7	6.7	6.3	6.3	5.7	6.3	5.3	6.0	4.7	5.3	6.3	5.7	6.3	7.3	7.0	6.1
DAWSON E+	4.7	7.0	6.0	5.0	6.7	7.0	7.3	5.0	6.3	5.3	7.0	6.0	5.3	5.0	6.3	5.3	5.7	4.3	5.3	4.0	6.3	5.3	7.0	6.7	5.8
LSD VALUE	0.7	0.8	1.5	1.6	1.1	1.4	0.8	2.3	1.2	0.8	0.7	1.7	0.8	1.1	1.3	1.7	0.7	1.3	1.1	0.8	1.4	0.8	0.7	0.5	0.2
C.V. (%)	8.4	6.7	14.5	17.6	11.0	11.4	6.7	26.9	11.0	8.6	5.4	16.8	8.0	12.1	12.2	16.4	6.8	15.6	12.7	8.6	14.0	8.2	5.6	4.2	11.8

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

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

TABLE 11D.

GENETIC COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	CA1	CO1	IA1	IL1	KY1	ME1	ME2	MO1	MT1	NC1	NC2	NE1	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA3	WI1	WI2	MEAN
ASC 172	6.3	8.0	7.0	4.3	9.0	8.7	8.3	6.0	7.0	8.0	9.0	7.0	7.7	7.0	7.3	9.0	6.3	7.7	6.3	4.7	5.3	7.7	8.0	8.0	7.2
ABT-CR-2	5.7	8.0	7.7	5.7	7.3	8.0	8.3	7.0	6.7	6.7	8.3	6.7	7.3	7.0	7.0	8.0	6.0	7.0	6.0	5.7	5.7	7.3	7.3	7.7	7.0
PST-47TCR	6.0	7.0	7.0	5.7	8.0	7.7	7.7	5.7	7.0	7.3	9.0	7.3	7.3	6.7	7.0	8.0	6.3	7.7	6.3	5.7	5.0	6.3	8.0	8.0	7.0
PST-4FR	6.0	7.3	7.0	6.3	8.3	7.0	8.3	6.7	7.0	6.3	8.0	7.0	6.0	7.0	7.3	7.7	6.0	7.0	7.0	6.3	6.0	6.3	8.0	7.3	7.0
FLORENTINE	6.3	8.0	7.0	5.7	7.3	7.3	7.3	5.7	7.0	7.0	8.3	6.3	7.3	7.0	7.3	8.0	6.0	7.3	6.0	6.0	5.7	6.0	7.7	7.3	6.9
ABT-CR-3	5.7	8.0	8.3	5.7	7.3	7.7	8.0	6.0	6.0	6.7	8.0	7.0	7.0	6.7	7.3	8.0	6.0	6.3	6.3	4.3	6.3	6.7	8.0	7.0	6.8
BAR CF 8 FUS1	6.0	7.0	6.7	5.7	7.0	7.7	7.3	6.0	7.7	6.7	8.3	6.0	7.3	6.7	6.7	8.0	5.7	7.0	6.7	5.7	5.7	6.3	8.0	7.3	6.8
JASPER II	5.3	8.0	7.0	5.3	6.0	7.7	7.7	6.0	7.7	6.7	8.0	6.7	6.3	7.0	7.0	7.3	6.0	6.3	6.3	4.3	5.7	6.3	8.0	7.3	6.7
SRX 52961	5.7	8.0	7.0	5.7	7.3	7.0	7.7	6.7	6.3	6.0	8.0	6.3	6.7	6.3	6.7	8.0	6.0	5.7	5.7	4.7	5.7	6.0	7.3	7.0	6.6
ISI FRR 7	5.7	8.0	7.0	4.7	6.3	7.7	7.7	6.3	7.3	6.3	7.7	6.0	7.0	7.0	6.7	7.3	6.0	6.3	5.7	4.0	5.0	7.0	7.0	7.0	6.5
ASC 082	6.7	7.7	6.7	5.3	6.3	6.7	7.7	5.3	6.3	6.3	8.0	6.3	6.7	6.7	6.7	7.3	6.0	6.7	6.0	4.3	5.7	6.7	7.0	7.3	6.5
SRX 52LAV	5.7	7.0	6.3	6.3	6.7	7.3	7.7	6.3	5.7	5.3	8.3	6.7	7.0	6.3	6.7	7.7	6.0	7.0	6.0	5.0	4.0	6.3	7.3	7.0	6.5
PATHFINDER	5.7	7.0	6.3	4.7	6.3	7.3	7.7	6.7	6.3	6.0	8.3	6.7	7.0	6.3	6.7	7.3	6.0	6.0	5.0	5.0	5.7	6.0	7.7	7.3	6.5
ISI FRR 5	5.0	7.7	7.0	5.3	6.3	7.7	7.7	6.0	7.0	6.0	8.0	6.0	6.7	5.7	6.7	7.0	6.0	5.7	7.0	4.7	5.3	6.0	7.3	7.0	6.4
SHADEMASTER II	5.3	7.3	6.3	5.3	6.0	7.7	8.0	6.7	6.3	6.7	7.0	6.0	6.3	6.0	6.7	7.0	6.0	6.3	6.0	5.3	6.0	6.0	7.3	7.0	6.4
DGSC 94	5.7	6.3	5.7	5.7	7.3	6.7	7.7	5.3	6.7	6.3	7.7	6.7	6.3	6.3	7.0	7.3	6.0	6.7	5.0	6.3	5.0	7.0	7.0	6.7	6.4
PST-EFL	5.7	7.0	6.3	5.7	7.0	7.3	7.3	5.0	6.7	6.0	7.7	6.7	6.0	6.3	7.0	7.0	6.0	5.3	6.0	6.0	5.7	6.0	7.3	7.0	6.4
ASC 087	5.3	6.7	6.0	5.0	6.0	7.0	7.7	4.3	6.0	6.7	7.0	6.3	6.3	6.0	6.7	7.7	6.0	5.7	6.3	4.7	6.0	5.7	7.3	7.3	6.2
SHADEMARK	4.7	7.0	5.7	4.3	6.0	6.7	7.3	6.0	6.7	6.7	8.0	7.0	6.7	5.0	7.0	7.0	6.0	5.7	5.3	4.0	5.0	5.7	7.3	7.0	6.2
BOREAL	4.3	6.3	5.7	5.3	7.0	5.3	6.3	5.3	6.0	6.3	7.3	5.7	6.3	5.3	6.0	5.7	6.0	7.0	5.0	3.3	5.3	6.0	7.0	7.0	5.9
COMMON CREEPING RED	4.3	6.0	5.7	4.7	6.7	5.0	6.7	5.3	5.3	6.0	6.7	5.7	6.0	5.7	6.0	6.0	6.0	7.7	3.7	4.0	5.0	6.0	6.7	6.7	5.7
SALSA	4.3	8.0	6.3	5.7	4.0	5.3	6.3	4.7	5.3	5.7	5.7	6.3	5.0	5.7	5.7	4.7	5.7	6.0	4.3	3.7	5.3	5.3	7.0	6.3	5.5
LSD VALUE	1.0	0.5	1.3	1.2	0.8	1.2	1.1	1.6	0.9	0.9	1.2	1.3	1.2	0.9	1.1	0.8	0.4	1.0	1.3	1.6	1.5	0.8	0.7	0.8	0.2
C.V. (%)	11.6	4.4	12.2	14.3	7.0	10.7	8.8	16.5	8.5	8.8	9.3	12.2	11.4	9.1	10.3	6.7	4.2	9.2	14.0	20.0	17.6	7.6	5.5	7.1	10.4

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

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

TABLE 11E.

GENETIC COLOR RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/																						MEAN		
	CA1	CO1	IA1	IL1	KY1	ME1	ME2	MO1	MT1	NC1	NC2	NE1	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA3		WI1	WI2
ISI FL 11	7.3	8.0	7.3	6.0	9.0	8.3	7.3	5.7	6.3	7.7	7.7	7.0	8.7	6.3	6.7	6.7	6.0	8.0	6.7	6.3	7.3	8.7	7.3	8.0	7.3
RESCUE 911	6.3	7.7	8.0	4.7	9.0	8.3	8.0	4.7	6.7	7.0	7.3	7.0	8.0	6.7	6.3	7.3	6.3	7.3	6.7	7.0	7.0	8.0	8.0	8.0	7.1
OXFORD	7.0	7.3	7.0	6.7	8.0	7.7	8.7	6.3	6.3	7.0	7.7	6.7	7.3	6.7	6.3	7.0	6.0	7.7	5.7	7.3	6.7	8.0	7.7	8.0	7.1
BAR HF 8 FUS	6.7	8.0	6.7	6.0	9.0	8.0	7.7	6.3	6.7	7.7	8.0	7.3	8.0	7.0	6.0	7.0	6.0	7.3	4.7	7.7	6.3	7.7	7.3	7.3	7.1
BIGHORN	6.0	7.0	6.0	7.0	7.0	8.7	8.3	5.0	7.0	7.3	5.3	7.3	8.7	6.3	5.7	7.0	7.0	8.3	5.7	7.3	7.3	8.7	7.7	8.0	7.1
4001	7.0	8.0	7.0	6.0	8.3	7.3	8.0	5.3	6.0	7.3	7.3	7.3	7.0	6.0	6.0	7.3	6.0	7.7	6.0	7.3	7.0	7.0	7.3	8.0	7.0
ABT-HF-3	5.7	8.0	6.0	6.3	7.3	8.3	7.3	5.0	6.3	7.3	4.7	7.7	7.3	7.0	6.0	7.0	7.0	8.7	6.3	7.3	7.0	8.0	8.0	8.0	7.0
ABT-HF-4	6.0	8.0	6.0	6.0	7.3	8.0	7.3	4.7	6.7	7.7	5.3	7.3	7.7	7.0	6.3	7.3	6.7	8.0	6.0	7.3	7.0	8.0	7.7	8.0	7.0
MB-82	6.3	7.3	6.7	6.0	7.7	7.7	7.7	5.3	6.7	7.3	8.0	7.0	7.7	6.7	6.0	7.0	6.0	8.3	6.3	7.3	6.0	7.3	7.0	7.7	7.0
PICK FF A-97	5.7	7.7	6.0	6.0	8.3	8.0	7.7	6.0	7.0	6.7	7.0	6.7	7.3	6.7	6.0	6.3	6.0	7.3	5.0	6.7	6.7	8.0	7.7	7.7	6.8
SCALDIS II (AHF 008)	6.0	8.0	6.3	6.3	7.3	8.0	8.0	4.3	6.3	7.7	8.0	6.3	7.3	6.3	6.0	7.3	6.0	7.7	5.7	7.0	6.0	7.3	7.0	7.3	6.8
ABT-HF1	6.0	7.7	6.3	6.0	8.0	7.7	7.0	5.7	6.3	7.0	7.3	7.3	7.0	6.0	6.0	7.0	6.0	7.0	5.7	7.3	6.7	7.0	7.7	8.0	6.8
ISI FL 12	6.3	7.0	6.3	5.7	8.7	8.0	7.3	5.3	6.7	6.0	7.7	6.7	7.7	6.7	6.3	5.7	6.0	7.7	5.3	7.0	6.7	7.3	7.0	8.0	6.8
AHF 009	6.0	7.7	6.3	6.0	7.7	7.7	7.7	5.3	6.3	7.3	7.7	6.3	7.3	6.3	5.7	7.0	6.0	7.3	5.7	7.3	6.7	7.3	7.0	7.3	6.8
ATTILA E	7.0	7.7	6.7	5.7	7.3	7.3	7.7	5.3	6.0	7.0	7.7	6.7	7.0	6.0	6.0	6.7	6.0	7.3	5.0	6.7	7.0	6.7	7.3	7.3	6.7
NORDIC (E)	6.0	8.0	6.7	6.7	8.0	7.7	7.3	5.3	5.7	7.0	6.7	7.3	7.0	6.7	6.0	6.3	6.0	7.0	4.7	7.0	6.7	6.7	7.0	7.3	6.7
DEFIANT	6.0	7.0	6.7	5.3	7.7	7.7	7.3	4.7	6.3	6.7	7.7	7.3	6.3	5.7	6.3	6.7	6.0	8.0	5.0	6.7	6.3	7.7	7.3	7.3	6.7
DISCOVERY	6.3	7.0	7.0	5.3	8.0	7.0	7.3	5.0	6.3	7.0	7.0	6.7	7.0	6.7	6.0	6.7	6.0	7.7	4.7	7.3	6.7	7.0	7.0	7.0	6.7
HERON	6.7	8.0	6.0	5.3	8.0	7.0	7.3	6.0	6.3	6.0	7.7	6.3	6.7	7.0	5.7	7.0	6.0	7.0	5.0	6.7	6.3	7.0	7.0	7.3	6.6
ABT-HF-2	6.3	8.0	7.0	6.0	8.0	7.3	7.7	6.3	5.3	6.3	7.0	6.3	6.7	6.3	5.3	6.3	5.7	7.7	5.3	7.3	6.7	6.7	6.7	7.0	6.6
SCALDIS	6.3	7.0	6.3	5.7	8.0	8.0	7.7	5.0	6.3	6.3	7.7	6.3	6.7	6.3	6.0	6.3	6.0	7.3	4.7	6.3	6.3	7.3	7.3	7.3	6.6
OSPREY	6.3	7.0	6.7	6.3	8.0	7.3	7.7	5.3	6.0	6.0	7.3	6.7	6.7	6.0	5.7	7.0	6.0	6.7	5.0	6.7	6.3	7.3	7.3	7.0	6.6
SRX 3961	5.7	8.0	7.3	5.7	7.3	6.7	8.0	6.0	6.7	5.7	6.7	7.0	6.3	6.0	6.0	7.0	5.7	7.3	5.3	6.3	6.3	7.0	6.3	7.0	6.6
RELIANT II	5.0	7.0	6.7	6.0	7.0	7.7	7.7	4.7	6.0	6.7	7.3	6.7	6.7	6.3	6.0	6.3	6.0	7.0	5.3	7.0	6.3	7.0	7.0	7.7	6.5
LSD VALUE	1.3	0.5	1.0	1.3	1.0	1.0	1.1	1.6	0.9	1.1	1.1	1.3	1.3	1.2	0.8	1.0	0.4	0.9	1.0	1.2	1.4	0.7	0.7	0.6	0.2
C.V. (%)	12.8	4.1	9.6	13.9	8.0	8.1	9.0	18.5	8.5	10.2	9.9	11.3	10.8	11.9	8.8	9.3	3.9	7.5	11.6	10.6	12.9	5.7	6.1	5.2	9.7

TABLE 11F.

GENETIC COLOR RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/																						MEAN		
	CA1	CO1	IA1	IL1	KY1	ME1	ME2	MO1	MT1	NC1	NC2	NE1	NS1	NY1	OK1	PA1	QE1	RI1	SD1	UT1	VA1	WA3		WI1	WI2
PST-4MB	6.0	8.0	6.0	6.3	7.0	8.3	8.7	6.0	7.3	7.3	5.0	8.0	8.0	6.3	5.7	7	6.7	8.3	5.3	6.3	6.3	8.0	7.3	8.0	7.0
MINOTAUR	6.0	7.7	6.0	6.0	7.0	7.7	8.0	5.7	6.7	7.0	5.0	7.3	8.0	6.0	6.0	7	7.0	8.3	5.7	6.7	8.0	8.0	7.3	8.0	6.9
SR 3200	6.0	8.0	5.7	5.3	7.0	8.7	8.0	5.3	7.0	6.3	5.3	7.7	7.7	7.3	6.0	7	7.0	8.0	5.0	4.7	6.0	7.7	7.7	7.7	6.8
QUATRO	5.3	8.0	5.7	5.7	6.3	7.0	8.0	5.3	7.0	5.3	6.3	7.0	7.3	6.7	6.7	7	6.0	5.3	4.7	7.7	6.7	7.3	7.7	8.0	6.6
SR 6000	6.3	8.7	4.7	4.3	8.3	6.3	7.0	6.0	7.7	6.0	6.7	7.3	7.0	5.7	6.3	8	6.0	6.3	7.7	5.7	6.3	6.7	7.0	6.0	6.6
LSD VALUE	0.6	0.6	0.7	1.1	0.6	1.3	1.3	1.8	1.0	1.2	0.7	1.0	1.2	1.5	0.7	0	0.4	0.8	1.1	2.7	1.0	0.7	0.8	0.8	0.2
C.V. (%)	6.2	4.5	8.0	12.3	5.1	10.7	10.3	19.3	8.9	12.1	7.9	8.5	9.6	14.5	7.3	0	4.0	7.1	12.1	26.7	9.5	5.9	7.0	6.9	10.2

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

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

TABLE 12A.

 SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 1999 DATA

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

NAME	CO1	IA1	IL1	IN1	MA1	MI1	MI2	MO1	NE1	NJ1	NS1	OK1	PA1	RI1	SD1	VA1	WI1	WI2	MEAN
SALSA	6.0	8.0	7.3	7.0	7.0	9.0	7.3	5.0	5	7.0	9.0	6.3	7.7	6.3	8.0	4.3	5.7	7.3	6.9
ACF 083	7.0	7.7	7.0	5.3	7.0	8.3	8.3	6.0	5	7.0	8.0	6.7	6.7	6.3	5.3	5.7	6.7	7.0	6.7
PST-4FR	7.0	7.3	6.7	5.0	5.3	8.7	7.3	6.3	5	5.7	7.3	6.3	8.0	5.3	6.3	6.7	7.3	6.3	6.6
ASC 087	7.0	7.7	6.3	5.7	5.7	8.7	7.7	5.0	5	6.0	8.7	6.3	6.7	6.7	6.0	5.7	6.0	6.3	6.5
PATHFINDER	5.3	8.0	7.3	4.7	6.7	8.3	8.7	6.0	5	5.3	8.0	6.0	5.0	5.0	7.0	6.0	7.0	7.3	6.5
MB-63	6.0	6.7	7.3	5.7	6.3	8.3	8.3	6.0	5	6.0	7.0	6.0	6.0	4.7	6.7	7.0	7.0	6.3	6.5
ACF 092	7.0	7.3	7.0	4.3	6.7	7.3	8.0	7.0	5	7.3	6.0	6.0	6.0	6.0	5.0	6.0	7.0	7.3	6.5
SHADEMARK	6.7	8.0	6.3	4.3	6.0	8.7	7.3	6.0	5	3.7	9.0	6.7	7.3	5.7	7.0	5.3	6.3	7.0	6.5
BAR CF 8 FUS1	6.0	8.0	7.0	5.0	6.3	8.3	9.0	6.7	5	4.7	7.7	6.0	7.3	6.0	5.7	6.0	5.7	5.7	6.4
CULOMBRA	6.7	7.7	7.3	4.7	7.0	8.0	8.3	6.7	5	5.0	7.3	6.3	5.0	4.3	5.3	7.7	7.3	6.0	6.4
PICK FRC 4-92	7.0	7.3	7.3	5.7	6.3	8.3	8.3	6.7	5	5.7	7.3	6.0	4.3	3.3	6.7	7.0	6.3	6.7	6.4
INTRIGUE	6.7	6.7	6.3	5.0	5.7	8.0	7.3	6.3	5	7.3	7.0	6.0	5.0	5.7	4.7	7.3	7.3	7.3	6.4
PST-47TCR	7.0	7.0	6.7	5.0	5.3	8.3	7.3	6.0	5	4.3	7.0	6.3	6.7	5.7	6.3	6.7	6.7	7.0	6.4
SHADOW II	7.0	6.7	7.0	5.7	5.3	7.7	8.7	6.0	5	5.0	6.7	6.0	6.3	4.0	6.3	7.3	7.3	6.3	6.4
LONGFELLOW II	6.7	7.0	7.3	5.7	4.3	7.3	8.3	6.7	5	6.7	6.3	6.0	4.7	5.0	6.7	7.3	7.0	6.0	6.3
PST-EFL	5.0	8.0	7.3	5.3	5.0	7.0	8.0	6.3	5	4.3	7.3	6.0	4.7	5.7	7.3	7.0	7.0	6.7	6.3
AMBASSADOR	7.0	6.3	6.3	4.7	6.0	8.7	9.0	6.0	5	6.3	6.3	6.0	5.0	3.0	5.0	7.7	7.0	7.7	6.3
BOREAL	6.0	7.7	6.3	5.7	6.3	8.0	8.7	5.3	5	5.3	7.3	6.0	5.7	5.7	6.7	5.0	6.0	6.0	6.3
ISI FRR 5	6.7	7.3	7.3	4.7	5.3	7.3	8.0	5.7	5	5.0	7.3	6.3	5.7	4.7	6.7	6.7	6.7	6.3	6.3
BRITTANY	7.0	7.0	6.7	5.0	7.3	7.7	8.3	6.3	5	5.0	6.7	6.0	5.0	2.3	6.7	7.0	6.7	6.7	6.2
BAR CHF 8 FUS2	7.0	7.3	7.3	5.7	6.0	8.0	9.0	5.7	5	4.7	7.3	6.0	4.3	4.3	5.7	6.7	6.3	6.0	6.2
ASC 082	7.0	7.7	6.3	4.0	5.7	7.7	7.3	6.0	5	5.0	7.0	6.0	5.7	6.3	5.7	6.3	6.7	6.7	6.2
ISI FRR 7	6.7	7.3	6.7	4.7	5.3	7.3	7.7	6.0	5	4.3	7.3	6.0	4.7	5.3	6.7	7.3	6.7	6.7	6.2
ABT-CR-2	6.7	7.3	6.0	5.0	4.3	7.0	7.3	6.7	5	5.3	7.7	6.0	5.3	5.7	6.0	7.0	7.0	6.3	6.2
DGSC 94	7.0	8.0	6.3	5.3	5.3	8.0	7.7	6.3	5	4.7	6.7	6.3	4.7	3.7	7.0	6.7	5.7	7.0	6.2
SRX 52LAV	7.0	7.3	6.3	5.0	6.7	7.3	7.7	6.0	5	3.7	8.0	6.0	5.3	5.0	6.7	6.0	5.7	6.0	6.1
SANDPIPER	7.0	7.0	7.0	5.0	5.7	7.7	8.7	5.3	5	5.0	7.0	6.0	5.0	3.0	5.7	7.0	6.3	6.7	6.1
JASPER II	7.0	7.0	6.3	3.7	5.3	7.3	8.3	6.0	5	4.7	6.7	6.0	5.0	5.3	6.3	6.7	7.0	6.3	6.1
SHADEMASTER II	7.0	5.0	7.0	4.3	5.0	8.0	7.7	6.7	5	4.0	7.0	6.3	6.7	4.7	6.0	6.3	6.0	7.3	6.1
FLORENTINE	6.3	7.7	5.7	5.0	5.7	9.0	7.3	6.0	5	4.0	6.0	6.0	6.7	4.3	5.7	7.0	6.7	5.7	6.1
BANNER III	6.7	6.3	7.0	5.0	5.0	8.0	7.7	5.7	5	5.0	6.3	6.0	6.7	4.0	5.7	6.7	7.3	5.7	6.1
SRX 52961	7.0	7.3	7.0	5.0	4.3	8.3	8.7	6.0	5	4.0	7.3	6.0	4.3	4.3	6.3	6.0	6.3	6.3	6.1
BRIDGEPORT	5.0	7.0	7.0	4.7	5.3	7.3	6.7	6.0	5	5.7	6.0	6.0	6.3	4.3	6.0	6.3	7.0	7.7	6.1
SR 5100	5.3	7.0	6.7	5.0	5.7	7.0	8.3	6.7	5	5.7	7.3	6.0	5.7	3.0	5.3	7.0	6.7	5.7	6.1
TIFFANY	5.0	6.7	6.3	5.3	5.7	8.3	8.3	5.7	5	5.3	6.7	6.3	7.0	3.7	6.0	6.7	5.7	5.0	6.0
ABT-CR-3	6.0	7.3	5.7	5.0	5.3	8.0	7.3	6.3	5	4.3	7.0	6.3	4.7	4.0	6.7	7.0	7.3	5.3	6.0
ABT-CHW-2	7.0	6.7	5.7	4.0	4.0	8.0	8.3	6.7	5	6.0	6.7	6.0	5.0	4.3	5.3	6.7	7.0	6.0	6.0
COMMON CREEPING RED	6.0	7.0	5.7	4.7	5.7	7.3	8.3	5.7	5	5.0	7.0	6.0	6.0	5.0	6.3	5.0	5.7	6.7	6.0
PICK FRC A-93	7.0	6.7	6.7	4.3	5.0	7.3	7.3	6.3	5	5.7	7.0	5.7	4.3	3.7	6.0	7.3	7.0	5.7	6.0
MAGIC	7.0	6.0	7.0	5.0	4.7	8.0	7.0	7.0	5	4.0	6.7	6.0	4.7	4.0	5.3	6.7	6.3	7.3	6.0
ASC 172	6.0	7.0	6.3	3.3	5.7	7.3	7.7	6.0	5	4.3	6.3	6.3	4.3	5.7	4.3	7.0	7.3	7.7	6.0
JAMESTOWN II	5.0	7.0	7.3	4.7	5.0	7.7	8.3	6.0	5	5.7	6.3	6.3	4.7	3.3	6.3	6.3	6.7	5.7	6.0
ABT-CHW-3	7.0	7.0	6.3	4.3	5.3	7.7	8.0	6.0	5	4.0	6.7	6.0	4.0	3.0	6.0	7.3	6.3	7.0	5.9
SEABREEZE	6.7	7.3	6.7	4.0	4.3	6.7	7.7	6.3	5	5.0	6.3	6.0	5.0	4.3	6.3	6.0	6.3	7.0	5.9

TABLE 12A. (CONT'D)

 SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS
 1999 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	CO1	IA1	IL1	IN1	MA1	MI1	MI2	MO1	NE1	NJ1	NS1	OK1	PA1	RI1	SD1	VA1	WI1	WI2	MEAN
TREASURE (E)	5.7	7.3	6.0	5.0	4.3	7.3	7.3	5.3	5	6.0	6.3	6.0	6.3	3.3	5.0	6.3	7.7	6.0	5.9
ABT-CHW-1	7.0	6.7	5.7	4.3	6.0	7.3	8.0	6.0	5	5.7	5.3	6.0	4.3	3.7	5.3	7.0	6.3	6.3	5.9
DAWSON E+	7.0	6.3	6.0	4.0	6.3	7.0	7.7	5.0	5	5.0	5.7	6.3	5.0	4.7	5.7	6.3	5.7	7.0	5.9
QUATRO	7.0	6.0	5.0	4.3	3.7	8.0	8.7	6.0	5	4.0	5.3	6.3	5.3	5.3	5.7	6.3	5.7	5.7	5.7
BAR HF 8 FUS	6.7	6.0	5.3	3.7	5.3	7.7	8.3	6.3	5	3.7	5.3	6.0	4.7	6.0	5.3	6.0	6.0	5.7	5.7
MB-82	6.7	6.7	6.3	3.0	5.0	7.3	8.7	5.0	5	3.0	4.7	6.0	6.0	5.3	5.0	5.7	7.7	6.0	5.7
BAR SCF 8 FUS3	6.0	6.7	6.7	4.0	4.3	7.0	7.7	5.7	5	3.7	6.3	6.0	4.7	5.0	5.3	6.3	6.3	6.0	5.7
DEFIANT	6.0	6.3	5.0	3.7	5.7	6.3	8.0	5.3	5	4.7	5.7	6.0	5.7	4.3	5.7	5.3	6.7	7.3	5.7
OXFORD	6.0	6.0	6.3	3.0	4.3	7.3	9.0	5.3	5	3.7	4.7	6.0	4.0	4.7	6.0	5.3	7.0	8.0	5.6
ABT-HF1	5.3	6.0	5.3	3.3	5.7	6.7	6.7	5.0	5	4.0	5.7	6.0	4.3	6.3	5.7	7.3	7.3	6.0	5.6
ASR 049	5.0	5.7	5.7	3.7	5.0	6.7	7.7	5.7	5	3.3	5.7	6.3	3.7	5.0	6.0	7.3	6.0	7.0	5.6
4001	7.0	5.7	5.3	3.0	4.7	7.0	7.7	5.7	5	3.7	4.7	6.0	3.3	5.7	5.0	6.3	7.0	7.3	5.6
ATTILA E	6.7	5.7	5.7	3.0	6.0	7.0	7.7	5.0	5	3.3	5.0	6.0	4.7	5.0	5.3	5.3	6.3	7.0	5.5
ISI FL 12	6.0	5.3	5.3	3.3	5.7	6.3	8.0	5.7	5	3.3	5.3	5.7	3.7	5.0	5.0	6.7	6.3	7.3	5.5
SCALDIS II (AHF 008)	6.7	6.0	5.3	3.0	4.7	6.3	7.3	5.0	5	3.0	4.7	6.0	5.3	5.7	5.0	6.3	6.0	7.0	5.5
PICK FF A-97	7.0	5.7	6.3	3.3	4.3	6.3	7.0	6.0	5	3.3	4.7	6.0	4.3	5.0	5.0	6.0	6.3	6.7	5.5
OSPREY	7.0	5.3	6.0	3.3	4.0	6.7	7.3	5.3	5	3.3	5.3	6.0	4.0	5.7	5.3	5.7	7.0	5.7	5.4
SCALDIS	6.0	5.0	5.3	3.7	4.3	6.7	7.3	5.7	5	3.7	5.3	6.0	4.0	5.3	5.7	5.7	6.0	7.3	5.4
MINOTAUR	6.0	5.3	6.3	3.0	5.3	6.7	7.3	5.7	5	3.0	6.0	6.0	4.7	3.0	5.0	5.7	6.7	7.0	5.4
ABT-HF-2	5.0	5.0	5.0	3.3	4.7	6.3	7.7	5.7	5	3.3	4.7	6.0	4.0	7.3	5.3	6.7	6.7	6.0	5.4
PST-4HM	7.0	5.3	5.7	3.7	4.0	7.3	8.7	5.3	5	2.7	4.7	6.0	4.3	5.3	5.3	6.0	5.7	5.7	5.4
NORDIC (E)	6.7	5.7	4.7	3.0	4.3	7.0	7.7	5.7	5	3.3	4.3	6.0	4.3	5.0	6.0	6.0	6.3	6.0	5.4
PST-4MB	7.0	5.3	6.7	3.0	4.7	6.7	9.0	5.7	5	2.7	4.3	6.0	3.0	3.3	4.7	7.0	6.3	6.7	5.4
ISI FL 11	7.0	5.3	5.7	3.3	4.0	7.0	9.0	5.7	5	3.0	4.7	5.7	3.7	4.3	5.0	5.3	7.0	6.3	5.4
AHF 009	6.0	5.7	6.0	3.0	5.0	6.3	7.3	5.3	5	2.7	4.7	6.0	4.3	4.0	5.0	6.7	6.7	6.7	5.4
SRX 3961	7.0	5.7	5.0	3.0	4.0	6.7	8.3	5.3	5	4.0	4.0	6.0	3.7	4.0	5.3	6.0	6.3	7.0	5.4
DISCOVERY	5.3	5.7	6.0	3.3	3.7	7.0	8.0	5.7	5	3.0	5.0	6.0	3.7	4.7	5.3	6.0	6.7	5.7	5.3
RELIANT II	7.0	5.3	5.3	2.7	4.3	6.0	7.7	4.3	5	3.7	4.3	6.0	3.7	5.0	5.7	6.7	5.7	7.3	5.3
ABT-HF-3	7.0	5.3	5.7	2.7	4.7	6.7	7.7	5.7	5	2.3	5.3	6.0	2.7	3.0	5.3	6.7	6.0	7.0	5.3
HERON	7.0	5.7	5.3	3.0	3.3	6.3	8.3	5.0	5	3.3	5.0	6.0	3.7	3.7	5.3	4.7	5.7	6.7	5.2
BIGHORN	7.0	5.0	5.3	3.3	4.3	6.3	7.7	5.3	5	2.7	4.7	5.7	3.0	3.0	5.0	7.0	6.7	6.0	5.2
SR 3200	5.3	5.3	5.7	2.7	5.0	6.7	8.0	4.7	5	3.0	4.7	5.7	3.3	2.7	5.0	6.7	6.0	7.0	5.1
ABT-HF-4	7.0	5.0	5.7	2.7	3.7	6.0	8.3	4.3	5	2.3	4.7	6.0	2.7	3.3	5.3	7.0	6.7	6.3	5.1
RESCUE 911	7.0	5.3	6.0	3.3	3.0	5.3	7.3	5.0	5	2.0	3.7	6.0	2.7	3.7	4.7	6.0	7.7	6.3	5.0
SR 6000	6.7	4.3	5.7	2.3	3.0	6.0	8.7	6.7	7	3.3	4.0	6.0	1.0	2.0	3.7	6.3	5.3	6.7	4.9
LSD VALUE	0.5	1.2	1.3	1.1	1.8	1.4	1.1	1.7	0	1.5	1.6	0.5	1.5	1.5	1.0	1.1	1.4	1.2	0.3
C.V. (%)	4.7	11.5	13.0	15.5	21.9	11.4	8.6	18.0	0	21.5	16.5	5.0	19.2	19.7	10.6	10.5	13.1	11.9	13.4

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

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

TABLE 12B.

SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

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

NAME	CO1	IA1	IL1	IN1	MA1	MI1	MI2	MO1	NE1	NJ1	NS1	OK1	PA1	RI1	SD1	VA1	WI1	WI2	MEAN
ACF 083	7.0	7.7	7.0	5.3	7.0	8.3	8.3	6.0	5	7.0	8.0	6.7	6.7	6.3	5.3	5.7	6.7	7.0	6.7
MB-63	6.0	6.7	7.3	5.7	6.3	8.3	8.3	6.0	5	6.0	7.0	6.0	6.0	4.7	6.7	7.0	7.0	6.3	6.5
ACF 092	7.0	7.3	7.0	4.3	6.7	7.3	8.0	7.0	5	7.3	6.0	6.0	6.0	6.0	5.0	6.0	7.0	7.3	6.5
CULOMBRA	6.7	7.7	7.3	4.7	7.0	8.0	8.3	6.7	5	5.0	7.3	6.3	5.0	4.3	5.3	7.7	7.3	6.0	6.4
PICK FRC 4-92	7.0	7.3	7.3	5.7	6.3	8.3	8.3	6.7	5	5.7	7.3	6.0	4.3	3.3	6.7	7.0	6.3	6.7	6.4
INTRIGUE	6.7	6.7	6.3	5.0	5.7	8.0	7.3	6.3	5	7.3	7.0	6.0	5.0	5.7	4.7	7.3	7.3	7.3	6.4
SHADOW II	7.0	6.7	7.0	5.7	5.3	7.7	8.7	6.0	5	5.0	6.7	6.0	6.3	4.0	6.3	7.3	7.3	6.3	6.4
LONGFELLOW II	6.7	7.0	7.3	5.7	4.3	7.3	8.3	6.7	5	6.7	6.3	6.0	4.7	5.0	6.7	7.3	7.0	6.0	6.3
AMBASSADOR	7.0	6.3	6.3	4.7	6.0	8.7	9.0	6.0	5	6.3	6.3	6.0	5.0	3.0	5.0	7.7	7.0	7.7	6.3
BRITTANY	7.0	7.0	6.7	5.0	7.3	7.7	8.3	6.3	5	5.0	6.7	6.0	5.0	2.3	6.7	7.0	6.7	6.7	6.2
BAR CHF 8 FUS2	7.0	7.3	7.3	5.7	6.0	8.0	9.0	5.7	5	4.7	7.3	6.0	4.3	4.3	5.7	6.7	6.3	6.0	6.2
SANDPIPER	7.0	7.0	7.0	5.0	5.7	7.7	8.7	5.3	5	5.0	7.0	6.0	5.0	3.0	5.7	7.0	6.3	6.7	6.1
BANNER III	6.7	6.3	7.0	5.0	5.0	8.0	7.7	5.7	5	5.0	6.3	6.0	6.7	4.0	5.7	6.7	7.3	5.7	6.1
BRIDGEPORT	5.0	7.0	7.0	4.7	5.3	7.3	6.7	6.0	5	5.7	6.0	6.0	6.3	4.3	6.0	6.3	7.0	7.7	6.1
SR 5100	5.3	7.0	6.7	5.0	5.7	7.0	8.3	6.7	5	5.7	7.3	6.0	5.7	3.0	5.3	7.0	6.7	5.7	6.1
TIFFANY	5.0	6.7	6.3	5.3	5.7	8.3	8.3	5.7	5	5.3	6.7	6.3	7.0	3.7	6.0	6.7	5.7	5.0	6.0
ABT-CHW-2	7.0	6.7	5.7	4.0	4.0	8.0	8.3	6.7	5	6.0	6.7	6.0	5.0	4.3	5.3	6.7	7.0	6.0	6.0
PICK FRC A-93	7.0	6.7	6.7	4.3	5.0	7.3	7.3	6.3	5	5.7	7.0	5.7	4.3	3.7	6.0	7.3	7.0	5.7	6.0
MAGIC	7.0	6.0	7.0	5.0	4.7	8.0	7.0	7.0	5	4.0	6.7	6.0	4.7	4.0	5.3	6.7	6.3	7.3	6.0
JAMESTOWN II	5.0	7.0	7.3	4.7	5.0	7.7	8.3	6.0	5	5.7	6.3	6.3	4.7	3.3	6.3	6.3	6.7	5.7	6.0
ABT-CHW-3	7.0	7.0	6.3	4.3	5.3	7.7	8.0	6.0	5	4.0	6.7	6.0	4.0	3.0	6.0	7.3	6.3	7.0	5.9
TREAZURE (E)	5.7	7.3	6.0	5.0	4.3	7.3	7.3	5.3	5	6.0	6.3	6.0	6.3	3.3	5.0	6.3	7.7	6.0	5.9
ABT-CHW-1	7.0	6.7	5.7	4.3	6.0	7.3	8.0	6.0	5	5.7	5.3	6.0	4.3	3.7	5.3	7.0	6.3	6.3	5.9
PST-4HM	7.0	5.3	5.7	3.7	4.0	7.3	8.7	5.3	5	2.7	4.7	6.0	4.3	5.3	5.3	6.0	5.7	5.7	5.4
LSD VALUE	0.5	1.2	1.4	1.2	1.9	1.3	1.0	1.8	0	1.7	1.5	0.4	1.7	1.5	1.0	1.0	1.3	1.2	0.3
C.V. (%)	4.4	10.9	13.4	15.2	21.6	10.1	8.0	18.1	0	19.0	14.0	4.4	20.3	22.4	10.5	9.1	12.3	11.6	13.1

TABLE 12C.

SPRING GREENUP RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	CO1	IA1	IL1	IN1	MA1	MI1	MI2	MO1	NE1	NJ1	NS1	OK1	PA1	RI1	SD1	VA1	WI1	WI2	MEAN
SEABREEZE	6.7	7.3	6.7	4.0	4.3	6.7	7.7	6.3	5	5.0	6.3	6.0	5.0	4.3	6.3	6.0	6.3	7.0	5.9
DAWSON E+	7.0	6.3	6.0	4.0	6.3	7.0	7.7	5.0	5	5.0	5.7	6.3	5.0	4.7	5.7	6.3	5.7	7.0	5.9
BAR SCF 8 FUS3	6.0	6.7	6.7	4.0	4.3	7.0	7.7	5.7	5	3.7	6.3	6.0	4.7	5.0	5.3	6.3	6.3	6.0	5.7
ASR 049	5.0	5.7	5.7	3.7	5.0	6.7	7.7	5.7	5	3.3	5.7	6.3	3.7	5.0	6.0	7.3	6.0	7.0	5.6
LSD VALUE	0.5	0.9	1.6	0.9	1.4	1.7	0.9	1.8	0	1.7	2.0	0.7	1.3	1.3	0.8	1.1	1.4	1.6	0.3
C.V. (%)	4.7	8.9	16.0	14.7	17.3	15.8	7.5	19.7	0	25.4	21.0	6.6	17.8	17.2	8.6	10.9	14.2	14.8	14.1

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

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

TABLE 12D.

 SPRING GREENUP RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
 1999 DATA

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

NAME	CO1	IA1	IL1	IN1	MA1	MI1	MI2	MO1	NE1	NJ1	NS1	OK1	PA1	RI1	SD1	VA1	WI1	WI2	MEAN
SALSA	6.0	8.0	7.3	7.0	7.0	9.0	7.3	5.0	5	7.0	9.0	6.3	7.7	6.3	8.0	4.3	5.7	7.3	6.9
PST-4FR	7.0	7.3	6.7	5.0	5.3	8.7	7.3	6.3	5	5.7	7.3	6.3	8.0	5.3	6.3	6.7	7.3	6.3	6.6
ASC 087	7.0	7.7	6.3	5.7	5.7	8.7	7.7	5.0	5	6.0	8.7	6.3	6.7	6.7	6.0	5.7	6.0	6.3	6.5
PATHFINDER	5.3	8.0	7.3	4.7	6.7	8.3	8.7	6.0	5	5.3	8.0	6.0	5.0	5.0	7.0	6.0	7.0	7.3	6.5
SHADEMARK	6.7	8.0	6.3	4.3	6.0	8.7	7.3	6.0	5	3.7	9.0	6.7	7.3	5.7	7.0	5.3	6.3	7.0	6.5
BAR CF 8 FUS1	6.0	8.0	7.0	5.0	6.3	8.3	9.0	6.7	5	4.7	7.7	6.0	7.3	6.0	5.7	6.0	5.7	5.7	6.4
PST-47TCR	7.0	7.0	6.7	5.0	5.3	8.3	7.3	6.0	5	4.3	7.0	6.3	6.7	5.7	6.3	6.7	6.7	7.0	6.4
PST-EFL	5.0	8.0	7.3	5.3	5.0	7.0	8.0	6.3	5	4.3	7.3	6.0	4.7	5.7	7.3	7.0	7.0	6.7	6.3
BOREAL	6.0	7.7	6.3	5.7	6.3	8.0	8.7	5.3	5	5.3	7.3	6.0	5.7	5.7	6.7	5.0	6.0	6.0	6.3
ISI FRR 5	6.7	7.3	7.3	4.7	5.3	7.3	8.0	5.7	5	5.0	7.3	6.3	5.7	4.7	6.7	6.7	6.7	6.3	6.3
ASC 082	7.0	7.7	6.3	4.0	5.7	7.7	7.3	6.0	5	5.0	7.0	6.0	5.7	6.3	5.7	6.3	6.7	6.7	6.2
ISI FRR 7	6.7	7.3	6.7	4.7	5.3	7.3	7.7	6.0	5	4.3	7.3	6.0	4.7	5.3	6.7	7.3	6.7	6.7	6.2
ABT-CR-2	6.7	7.3	6.0	5.0	4.3	7.0	7.3	6.7	5	5.3	7.7	6.0	5.3	5.7	6.0	7.0	7.0	6.3	6.2
DGSC 94	7.0	8.0	6.3	5.3	5.3	8.0	7.7	6.3	5	4.7	6.7	6.3	4.7	3.7	7.0	6.7	5.7	7.0	6.2
SRX 52LAV	7.0	7.3	6.3	5.0	6.7	7.3	7.7	6.0	5	3.7	8.0	6.0	5.3	5.0	6.7	6.0	5.7	6.0	6.1
JASPER II	7.0	7.0	6.3	3.7	5.3	7.3	8.3	6.0	5	4.7	6.7	6.0	5.0	5.3	6.3	6.7	7.0	6.3	6.1
SHADEMASTER II	7.0	5.0	7.0	4.3	5.0	8.0	7.7	6.7	5	4.0	7.0	6.3	6.7	4.7	6.0	6.3	6.0	7.3	6.1
FLORENTINE	6.3	7.7	5.7	5.0	5.7	9.0	7.3	6.0	5	4.0	6.0	6.0	6.7	4.3	5.7	7.0	6.7	5.7	6.1
SRX 52961	7.0	7.3	7.0	5.0	4.3	8.3	8.7	6.0	5	4.0	7.3	6.0	4.3	4.3	6.3	6.0	6.3	6.3	6.1
ABT-CR-3	6.0	7.3	5.7	5.0	5.3	8.0	7.3	6.3	5	4.3	7.0	6.3	4.7	4.0	6.7	7.0	7.3	5.3	6.0
COMMON CREEPING RED	6.0	7.0	5.7	4.7	5.7	7.3	8.3	5.7	5	5.0	7.0	6.0	6.0	5.0	6.3	5.0	5.7	6.7	6.0
ASC 172	6.0	7.0	6.3	3.3	5.7	7.3	7.7	6.0	5	4.3	6.3	6.3	4.3	5.7	4.3	7.0	7.3	7.7	6.0
LSD VALUE	0.5	1.5	1.3	1.1	2.1	1.1	1.0	1.5	0	1.8	1.4	0.6	1.7	1.6	1.2	1.1	1.3	1.4	0.3
C.V. (%)	4.7	12.4	12.6	14.5	23.4	8.8	7.9	16.0	0	23.1	11.9	6.3	18.7	18.8	12.0	11.1	12.8	12.9	13.3

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

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

TABLE 12E.

 SPRING GREENUP RATINGS OF HARD FESCUE CULTIVARS 1/
 1999 DATA

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

NAME	CO1	IA1	IL1	IN1	MA1	MI1	MI2	MO1	NE1	NJ1	NS1	OK1	PA1	RI1	SD1	VA1	WI1	WI2	MEAN
BAR HF 8 FUS	6.7	6.0	5.3	3.7	5.3	7.7	8.3	6.3	5	3.7	5.3	6.0	4.7	6.0	5.3	6.0	6.0	5.7	5.7
MB-82	6.7	6.7	6.3	3.0	5.0	7.3	8.7	5.0	5	3.0	4.7	6.0	6.0	5.3	5.0	5.7	7.7	6.0	5.7
DEFIANT	6.0	6.3	5.0	3.7	5.7	6.3	8.0	5.3	5	4.7	5.7	6.0	5.7	4.3	5.7	5.3	6.7	7.3	5.7
OXFORD	6.0	6.0	6.3	3.0	4.3	7.3	9.0	5.3	5	3.7	4.7	6.0	4.0	4.7	6.0	5.3	7.0	8.0	5.6
ABT-HF1	5.3	6.0	5.3	3.3	5.7	6.7	6.7	5.0	5	4.0	5.7	6.0	4.3	6.3	5.7	7.3	7.3	6.0	5.6
4001	7.0	5.7	5.3	3.0	4.7	7.0	7.7	5.7	5	3.7	4.7	6.0	3.3	5.7	5.0	6.3	7.0	7.3	5.6
ATILIA E	6.7	5.7	5.7	3.0	6.0	7.0	7.7	5.0	5	3.3	5.0	6.0	4.7	5.0	5.3	5.3	6.3	7.0	5.5
ISI FL 12	6.0	5.3	5.3	3.3	5.7	6.3	8.0	5.7	5	3.3	5.3	5.7	3.7	5.0	5.0	6.7	6.3	7.3	5.5
SCALDIS II (AHF 008)	6.7	6.0	5.3	3.0	4.7	6.3	7.3	5.0	5	3.0	4.7	6.0	5.3	5.7	5.0	6.3	6.0	7.0	5.5
PICK FF A-97	7.0	5.7	6.3	3.3	4.3	6.3	7.0	6.0	5	3.3	4.7	6.0	4.3	5.0	5.0	6.0	6.3	6.7	5.5
OSPREY	7.0	5.3	6.0	3.3	4.0	6.7	7.3	5.3	5	3.3	5.3	6.0	4.0	5.7	5.3	5.7	7.0	5.7	5.4
SCALDIS	6.0	5.0	5.3	3.7	4.3	6.7	7.3	5.7	5	3.7	5.3	6.0	4.0	5.3	5.7	5.7	6.0	7.3	5.4
ABT-HF-2	5.0	5.0	5.0	3.3	4.7	6.3	7.7	5.7	5	3.3	4.7	6.0	4.0	7.3	5.3	6.7	6.7	6.0	5.4
NORDIC (E)	6.7	5.7	4.7	3.0	4.3	7.0	7.7	5.7	5	3.3	4.3	6.0	4.3	5.0	6.0	6.0	6.3	6.0	5.4
ISI FL 11	7.0	5.3	5.7	3.3	4.0	7.0	9.0	5.7	5	3.0	4.7	5.7	3.7	4.3	5.0	5.3	7.0	6.3	5.4
AHF 009	6.0	5.7	6.0	3.0	5.0	6.3	7.3	5.3	5	2.7	4.7	6.0	4.3	4.0	5.0	6.7	6.7	6.7	5.4
SRX 3961	7.0	5.7	5.0	3.0	4.0	6.7	8.3	5.3	5	4.0	4.0	6.0	3.7	4.0	5.3	6.0	6.3	7.0	5.4
DISCOVERY	5.3	5.7	6.0	3.3	3.7	7.0	8.0	5.7	5	3.0	5.0	6.0	3.7	4.7	5.3	6.0	6.7	5.7	5.3
RELIANT II	7.0	5.3	5.3	2.7	4.3	6.0	7.7	4.3	5	3.7	4.3	6.0	3.7	5.0	5.7	6.7	5.7	7.3	5.3
ABT-HF-3	7.0	5.3	5.7	2.7	4.7	6.7	7.7	5.7	5	2.3	5.3	6.0	2.7	3.0	5.3	6.7	6.0	7.0	5.3
HERON	7.0	5.7	5.3	3.0	3.3	6.3	8.3	5.0	5	3.3	5.0	6.0	3.7	3.7	5.3	4.7	5.7	6.7	5.2
BIGHORN	7.0	5.0	5.3	3.3	4.3	6.3	7.7	5.3	5	2.7	4.7	5.7	3.0	3.0	5.0	7.0	6.7	6.0	5.2
ABT-HF-4	7.0	5.0	5.7	2.7	3.7	6.0	8.3	4.3	5	2.3	4.7	6.0	2.7	3.3	5.3	7.0	6.7	6.3	5.1
RESCUE 911	7.0	5.3	6.0	3.3	3.0	5.3	7.3	5.0	5	2.0	3.7	6.0	2.7	3.7	4.7	6.0	7.7	6.3	5.0
LSD VALUE	0.5	1.0	1.2	0.9	1.5	1.5	1.2	1.7	0	1.1	1.8	0.3	1.1	1.4	0.8	1.2	1.5	1.2	0.3
C.V. (%)	4.8	11.1	13.1	17.1	20.0	14.0	9.4	20.1	0	21.4	23.4	3.4	16.9	18.4	9.2	11.8	14.0	11.0	13.6

TABLE 12F.

 SPRING GREENUP RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
 1999 DATA

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

NAME	CO1	IA1	IL1	IN1	MA1	MI1	MI2	MO1	NE1	NJ1	NS1	OK1	PA1	RI1	SD1	VA1	WI1	WI2	MEAN
QUATRO	7.0	6.0	5.0	4.3	3.7	8.0	8.7	6.0	5	4.0	5.3	6.3	5.3	5.3	5.7	6.3	5.7	5.7	5.7
MINOTAUR	6.0	5.3	6.3	3.0	5.3	6.7	7.3	5.7	5	3.0	6.0	6.0	4.7	3.0	5.0	5.7	6.7	7.0	5.4
PST-4MB	7.0	5.3	6.7	3.0	4.7	6.7	9.0	5.7	5	2.7	4.3	6.0	3.0	3.3	4.7	7.0	6.3	6.7	5.4
SR 3200	5.3	5.3	5.7	2.7	5.0	6.7	8.0	4.7	5	3.0	4.7	5.7	3.3	2.7	5.0	6.7	6.0	7.0	5.1
SR 6000	6.7	4.3	5.7	2.3	3.0	6.0	8.7	6.7	7	3.3	4.0	6.0	1.0	2.0	3.7	6.3	5.3	6.7	4.9
LSD VALUE	0.6	0.8	0.8	0.7	1.6	1.6	1.4	1.3	0	0.9	1.9	0.6	1.0	1.0	0.7	0.8	1.3	1.0	0.3
C.V. (%)	5.7	9.8	8.8	14.6	23.1	14.7	10.7	14.2	0	18.0	24.3	6.1	18.2	19.4	9.3	8.1	13.6	9.6	12.9

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

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

TABLE 13A.

LEAF TEXTURE RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	IA1	KY1	MO1	MT1	NC1	NJ2	NS1	OK1	QE1	RI1	MEAN
QUATRO	7.3	9.0	6.3	5.7	8.7	9.0	9.0	7.0	8	9.0	7.9
TIFFANY	8.0	9.0	6.3	5.3	8.0	6.7	8.0	7.0	8	6.7	7.3
ABT-HF-2	7.3	9.0	6.3	5.3	8.3	7.7	6.7	7.0	8	7.3	7.3
SANDPIPER	7.7	9.0	6.0	5.3	8.7	6.3	8.0	7.0	8	6.7	7.3
SRX 3961	8.0	9.0	6.0	5.0	7.7	7.3	6.7	7.0	8	8.0	7.3
AHF 009	7.0	9.0	6.0	5.3	8.0	7.3	7.3	.	8	7.3	7.3
ACF 092	7.0	8.3	7.0	5.0	8.7	6.7	7.7	7.0	8	7.0	7.2
AMBASSADOR	7.3	9.0	6.3	5.7	8.0	6.7	7.3	7.0	8	7.0	7.2
LONGFELLOW II	7.7	9.0	7.0	5.7	7.7	7.0	6.0	7.0	8	7.3	7.2
MB-63	7.3	9.0	6.7	6.0	7.7	6.7	7.3	7.0	8	6.7	7.2
NORDIC (E)	7.0	9.0	6.0	5.3	7.7	7.7	7.0	.	8	7.3	7.2
ABT-CHW-2	7.7	8.7	6.3	5.7	7.7	7.0	7.0	7.3	8	6.7	7.2
BAR CHF 8 FUS2	7.0	8.7	5.7	5.7	8.0	6.7	8.3	7.0	8	7.0	7.2
BAR HF 8 FUS	6.7	8.7	6.0	5.0	7.7	7.7	7.7	7.0	8	7.7	7.2
ABT-CHW-3	6.7	9.0	6.7	5.3	8.0	6.5	7.7	7.0	8	7.0	7.2
PICK FRC A-93	8.0	8.7	6.3	5.7	8.3	6.0	7.3	7.0	8	6.3	7.2
ABT-CHW-1	7.3	8.7	6.3	5.3	8.0	6.7	7.3	7.0	8	7.0	7.2
ASR 049	7.7	8.0	5.7	5.3	8.0	7.7	7.3	.	8	6.7	7.1
DEFIANT	7.3	8.7	5.3	5.0	8.0	6.7	8.0	.	8	7.3	7.1
MAGIC	7.3	8.7	6.3	5.7	8.0	6.3	7.0	7.0	8	7.0	7.1
ABT-HF1	7.7	8.7	5.3	5.0	8.0	7.7	7.3	7.0	8	6.7	7.1
ACF 083	7.0	8.3	6.3	4.7	8.0	7.7	8.0	7.0	8	6.3	7.1
BRITTANY	7.7	8.7	7.0	5.0	8.0	6.7	6.3	7.0	8	7.0	7.1
SR 5100	6.7	9.0	6.7	5.0	7.7	6.7	7.7	7.0	8	7.0	7.1
TREASURE (E)	8.0	8.7	6.7	5.3	7.7	7.0	6.7	7.0	8	6.3	7.1
ABT-HF-4	6.0	9.0	5.0	5.3	7.7	7.7	8.0	7.0	8	7.3	7.1
BRIDGEPORT	7.7	9.0	6.3	5.7	8.0	5.7	7.7	7.0	8	6.0	7.1
CULOMBRA	7.3	9.0	6.0	5.7	7.0	7.0	7.0	7.0	8	7.0	7.1
HERON	7.7	8.7	5.7	5.0	8.3	6.7	6.7	7.0	8	7.3	7.1
OXFORD	7.7	8.7	5.3	5.3	7.7	7.3	6.7	7.0	8	7.3	7.1
SHADOW II	7.0	9.0	5.7	5.7	8.0	6.7	7.0	7.0	8	7.0	7.1
ISI FL 11	7.0	9.0	5.3	5.0	8.0	7.0	6.3	7.0	8	8.0	7.1
JAMESTOWN II	6.7	8.7	6.7	5.3	7.3	6.7	7.7	7.0	8	6.7	7.1
OSPREY	7.7	8.3	5.7	5.3	8.0	7.0	6.7	7.0	8	7.0	7.1
4001	7.3	8.7	5.3	5.0	7.7	7.0	6.7	.	8	7.7	7.0
SCALDIS II (AHF 008)	6.3	9.0	5.3	5.0	8.0	7.7	6.7	.	8	7.3	7.0
DISCOVERY	7.0	8.3	5.7	4.7	8.3	7.7	6.0	.	8	7.7	7.0
PICK FRC 4-92	7.3	9.0	6.3	5.0	7.7	6.3	6.7	7.0	8	7.0	7.0
PST-4HM	7.3	8.3	5.3	5.0	8.7	7.3	7.0	7.0	8	6.3	7.0
BAR SCF 8 FUS3	6.7	8.3	6.7	4.7	7.7	7.7	7.3	7.0	8	6.0	7.0
ABT-HF-3	6.7	8.0	6.0	5.0	8.0	7.3	6.7	7.0	8	7.0	7.0
BANNER III	7.0	8.7	6.3	5.0	7.0	7.0	7.3	7.0	8	6.3	7.0
INTRIGUE	7.7	8.3	6.0	5.3	7.7	6.3	6.7	7.0	8	6.7	7.0
PICK FF A-97	7.3	8.3	5.7	5.0	7.7	7.0	6.3	7.0	8	7.3	7.0

TABLE 13A.
(CONT'D)

LEAF TEXTURE RATINGS OF FINELEAF FESCUE CULTIVARS
1999 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	IA1	KY1	MO1	MT1	NC1	NJ2	NS1	OK1	QE1	RI1	MEAN
SHADEMASTER II	6.3	8.3	7.0	4.7	7.3	7.0	7.0	7.0	8	7.0	7.0
ABT-CR-3	7.3	8.0	6.7	5.3	7.3	6.3	6.3	7.0	8	6.7	6.9
FLORENTINE	6.7	8.3	6.3	5.7	7.3	5.7	7.0	7.0	8	7.0	6.9
PST-4MB	6.3	8.7	6.0	5.0	7.3	7.0	6.7	7.0	8	7.0	6.9
ATTILA E	7.3	8.3	5.3	5.0	7.7	7.0	6.3	.	8	7.0	6.9
MB-82	7.0	8.7	5.3	5.0	7.3	7.3	6.3	.	8	7.0	6.9
RESCUE 911	7.0	8.3	5.0	5.7	8.3	7.0	5.3	.	8	7.3	6.9
SEABREEZE	7.0	9.0	6.3	5.3	7.3	7.0	5.7	.	8	6.3	6.9
ISI FL 12	6.3	8.7	5.3	5.0	7.7	7.0	6.0	7.0	8	7.7	6.9
SHADEMARK	7.0	8.7	6.3	5.0	7.0	6.0	7.7	7.0	8	5.7	6.8
SRX 52961	6.7	8.3	6.3	5.3	6.7	6.0	7.0	7.0	8	7.0	6.8
ABT-CR-2	7.0	8.3	7.0	4.7	6.0	7.0	7.0	7.0	8	6.0	6.8
RELIANT II	6.0	8.0	5.0	5.0	8.3	7.3	6.3	7.0	8	7.0	6.8
JASPER II	6.7	8.7	6.0	5.0	6.7	6.7	6.3	7.0	8	6.7	6.8
MINOTAUR	6.3	8.7	5.3	5.3	7.7	7.0	6.0	.	8	6.3	6.7
SCALDIS	7.0	8.0	5.7	4.7	8.0	7.0	5.0	7.0	8	7.0	6.7
SR 3200	6.7	9.0	5.0	5.0	7.7	6.3	6.0	7.0	8	6.7	6.7
DAWSON E+	7.0	8.0	5.3	5.0	6.7	7.3	6.3	.	8	6.7	6.7
BIGHORN	6.7	8.0	5.3	4.7	7.7	7.0	6.0	7.0	8	6.7	6.7
PATHFINDER	6.3	8.3	6.7	5.0	6.3	6.3	6.7	7.0	8	6.3	6.7
SALSA	7.3	9.0	5.0	4.7	7.3	7.0	6.0	7.0	8	5.7	6.7
DGSC 94	6.7	8.0	6.7	5.0	6.0	5.7	7.3	7.0	8	6.0	6.6
PST-4FR	6.0	8.0	6.7	5.3	6.7	6.0	5.7	7.0	8	7.0	6.6
BAR CF 8 FUS1	6.7	8.3	6.7	5.0	6.3	5.3	5.7	7.0	8	6.7	6.6
ASC 087	6.7	8.0	5.3	4.3	7.0	6.0	8.0	7.0	8	5.3	6.6
PST-EFL	6.3	8.3	6.0	4.7	6.3	5.3	7.3	7.0	8	6.0	6.5
PST-47TCR	7.0	8.0	6.0	4.7	6.3	5.7	6.0	7.0	8	6.7	6.5
ISI FRR 7	7.3	8.3	6.3	4.3	6.3	5.7	5.3	7.0	8	6.3	6.5
ASC 082	6.7	8.0	6.0	4.3	6.0	6.0	6.0	7.0	8	6.7	6.5
ISI FRR 5	6.0	8.0	6.7	4.3	6.7	5.3	5.7	7.0	8	6.3	6.4
ASC 172	6.0	8.0	6.0	4.3	6.0	5.3	6.3	7.0	8	6.3	6.3
COMMON CREEPING RED	6.7	7.0	6.3	5.3	6.3	5.7	5.7	7.0	8	5.0	6.3
SRX 52LAV	6.3	8.0	7.0	4.0	5.0	5.7	4.3	7.0	8	6.7	6.2
BOREAL	6.3	7.0	5.0	5.0	6.7	5.0	5.0	7.0	8	5.3	6.0
SR 6000	4.7	4.0	6.0	6.0	7.3	2.0	2.0	7.0	8	4.0	5.1
LSD VALUE	1.0	0.7	1.5	1.0	1.0	1.1	2.3	0.2	0	1.1	0.4
C.V. (%)	9.1	4.8	15.1	11.8	8.5	9.8	21.0	1.3	0	9.7	10.5

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

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

TABLE 13B. LEAF TEXTURE RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/										
	IA1	KY1	MO1	MT1	NC1	NJ2	NS1	OK1	QE1	RI1	MEAN
TIFFANY	8.0	9.0	6.3	5.3	8.0	6.7	8.0	7.0	8	6.7	7.3
SANDPIPER	7.7	9.0	6.0	5.3	8.7	6.3	8.0	7.0	8	6.7	7.3
ACF 092	7.0	8.3	7.0	5.0	8.7	6.7	7.7	7.0	8	7.0	7.2
AMBASSADOR	7.3	9.0	6.3	5.7	8.0	6.7	7.3	7.0	8	7.0	7.2
LONGFELLOW II	7.7	9.0	7.0	5.7	7.7	7.0	6.0	7.0	8	7.3	7.2
MB-63	7.3	9.0	6.7	6.0	7.7	6.7	7.3	7.0	8	6.7	7.2
ABT-CHW-2	7.7	8.7	6.3	5.7	7.7	7.0	7.0	7.3	8	6.7	7.2
BAR CHF 8 FUS2	7.0	8.7	5.7	5.7	8.0	6.7	8.3	7.0	8	7.0	7.2
ABT-CHW-3	6.7	9.0	6.7	5.3	8.0	6.5	7.7	7.0	8	7.0	7.2
PICK FRC A-93	8.0	8.7	6.3	5.7	8.3	6.0	7.3	7.0	8	6.3	7.2
ABT-CHW-1	7.3	8.7	6.3	5.3	8.0	6.7	7.3	7.0	8	7.0	7.2
MAGIC	7.3	8.7	6.3	5.7	8.0	6.3	7.0	7.0	8	7.0	7.1
ACF 083	7.0	8.3	6.3	4.7	8.0	7.7	8.0	7.0	8	6.3	7.1
BRITTANY	7.7	8.7	7.0	5.0	8.0	6.7	6.3	7.0	8	7.0	7.1
SR 5100	6.7	9.0	6.7	5.0	7.7	6.7	7.7	7.0	8	7.0	7.1
TREASURE (E)	8.0	8.7	6.7	5.3	7.7	7.0	6.7	7.0	8	6.3	7.1
BRIDGEPORT	7.7	9.0	6.3	5.7	8.0	5.7	7.7	7.0	8	6.0	7.1
CULOMBRA	7.3	9.0	6.0	5.7	7.0	7.0	7.0	7.0	8	7.0	7.1
SHADOW II	7.0	9.0	5.7	5.7	8.0	6.7	7.0	7.0	8	7.0	7.1
JAMESTOWN II	6.7	8.7	6.7	5.3	7.3	6.7	7.7	7.0	8	6.7	7.1
PICK FRC 4-92	7.3	9.0	6.3	5.0	7.7	6.3	6.7	7.0	8	7.0	7.0
PST-4HM	7.3	8.3	5.3	5.0	8.7	7.3	7.0	7.0	8	6.3	7.0
BANNER III	7.0	8.7	6.3	5.0	7.0	7.0	7.3	7.0	8	6.3	7.0
INTRIGUE	7.7	8.3	6.0	5.3	7.7	6.3	6.7	7.0	8	6.7	7.0
LSD VALUE	0.9	0.7	1.4	1.0	0.9	0.9	2.2	0.3	0	1.0	0.4
C.V. (%)	7.5	4.8	13.6	11.8	7.3	8.7	19.0	2.0	0	9.6	9.7

TABLE 13C. LEAF TEXTURE RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/										
	IA1	KY1	MO1	MT1	NC1	NJ2	NS1	OK1	QE1	RI1	MEAN
ASR 049	7.7	8.0	5.7	5.3	8.0	7.7	7.3	.	8	6.7	7.1
BAR SCF 8 FUS3	6.7	8.3	6.7	4.7	7.7	7.7	7.3	7	8	6.0	7.0
SEABREEZE	7.0	9.0	6.3	5.3	7.3	7.0	5.7	.	8	6.3	6.9
DAWSON E+	7.0	8.0	5.3	5.0	6.7	7.3	6.3	.	8	6.7	6.7
LSD VALUE	0.7	0.5	1.9	1.1	1.1	1.6	1.7	.	0	1.4	0.4
C.V. (%)	5.8	3.5	19.2	13.9	9.5	13.5	15.6	.	0	13.5	11.2

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

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

TABLE 13D. LEAF TEXTURE RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	IA1	KY1	MO1	MT1	NC1	NJ2	NS1	OK1	QE1	RI1	MEAN
SHADEMASTER II	6.3	8.3	7.0	4.7	7.3	7.0	7.0	7	8	7.0	7.0
ABT-CR-3	7.3	8.0	6.7	5.3	7.3	6.3	6.3	7	8	6.7	6.9
FLORENTINE	6.7	8.3	6.3	5.7	7.3	5.7	7.0	7	8	7.0	6.9
SHADEMARK	7.0	8.7	6.3	5.0	7.0	6.0	7.7	7	8	5.7	6.8
SRX 52961	6.7	8.3	6.3	5.3	6.7	6.0	7.0	7	8	7.0	6.8
ABT-CR-2	7.0	8.3	7.0	4.7	6.0	7.0	7.0	7	8	6.0	6.8
JASPER II	6.7	8.7	6.0	5.0	6.7	6.7	6.3	7	8	6.7	6.8
PATHFINDER	6.3	8.3	6.7	5.0	6.3	6.3	6.7	7	8	6.3	6.7
SALSA	7.3	9.0	5.0	4.7	7.3	7.0	6.0	7	8	5.7	6.7
DGSC 94	6.7	8.0	6.7	5.0	6.0	5.7	7.3	7	8	6.0	6.6
PST-4FR	6.0	8.0	6.7	5.3	6.7	6.0	5.7	7	8	7.0	6.6
BAR CF 8 FUS1	6.7	8.3	6.7	5.0	6.3	5.3	5.7	7	8	6.7	6.6
ASC 087	6.7	8.0	5.3	4.3	7.0	6.0	8.0	7	8	5.3	6.6
PST-EFL	6.3	8.3	6.0	4.7	6.3	5.3	7.3	7	8	6.0	6.5
PST-47/TCR	7.0	8.0	6.0	4.7	6.3	5.7	6.0	7	8	6.7	6.5
ISI FR 7	7.3	8.3	6.3	4.3	6.3	5.7	5.3	7	8	6.3	6.5
ASC 082	6.7	8.0	6.0	4.3	6.0	6.0	6.0	7	8	6.7	6.5
ISI FR 5	6.0	8.0	6.7	4.3	6.7	5.3	5.7	7	8	6.3	6.4
ASC 172	6.0	8.0	6.0	4.3	6.0	5.3	6.3	7	8	6.3	6.3
COMMON CREEPING RED	6.7	7.0	6.3	5.3	6.3	5.7	5.7	7	8	5.0	6.3
SRX 52LAV	6.3	8.0	7.0	4.0	5.0	5.7	4.3	7	8	6.7	6.2
BOREAL	6.3	7.0	5.0	5.0	6.7	5.0	5.0	7	8	5.3	6.0
LSD VALUE	1.0	0.6	1.5	1.1	1.1	1.3	2.3	0	0	1.1	0.4
C.V. (%)	9.8	4.8	14.8	14.7	10.3	13.1	22.2	0	0	11.1	11.3

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

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

TABLE 13E.

LEAF TEXTURE RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

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

NAME	IA1	KY1	MO1	MT1	NC1	NJ2	NS1	OK1	QE1	RI1	MEAN
ABT-HF-2	7.3	9.0	6.3	5.3	8.3	7.7	6.7	7	8	7.3	7.3
SRX 3961	8.0	9.0	6.0	5.0	7.7	7.3	6.7	7	8	8.0	7.3
AHF 009	7.0	9.0	6.0	5.3	8.0	7.3	7.3	.	8	7.3	7.3
NORDIC (E)	7.0	9.0	6.0	5.3	7.7	7.7	7.0	.	8	7.3	7.2
BAR HF 8 FUS	6.7	8.7	6.0	5.0	7.7	7.7	7.7	7	8	7.7	7.2
DEFIANT	7.3	8.7	5.3	5.0	8.0	6.7	8.0	.	8	7.3	7.1
ABT-HF1	7.7	8.7	5.3	5.0	8.0	7.7	7.3	7	8	6.7	7.1
ABT-HF-4	6.0	9.0	5.0	5.3	7.7	7.7	8.0	7	8	7.3	7.1
HERON	7.7	8.7	5.7	5.0	8.3	6.7	6.7	7	8	7.3	7.1
OXFORD	7.7	8.7	5.3	5.3	7.7	7.3	6.7	7	8	7.3	7.1
ISI FL 11	7.0	9.0	5.3	5.0	8.0	7.0	6.3	7	8	8.0	7.1
OSPREY	7.7	8.3	5.7	5.3	8.0	7.0	6.7	7	8	7.0	7.1
4001	7.3	8.7	5.3	5.0	7.7	7.0	6.7	.	8	7.7	7.0
SCALDIS II (AHF 008)	6.3	9.0	5.3	5.0	8.0	7.7	6.7	.	8	7.3	7.0
DISCOVERY	7.0	8.3	5.7	4.7	8.3	7.7	6.0	.	8	7.7	7.0
ABT-HF-3	6.7	8.0	6.0	5.0	8.0	7.3	6.7	7	8	7.0	7.0
PICK FF A-97	7.3	8.3	5.7	5.0	7.7	7.0	6.3	7	8	7.3	7.0
ATTILA E	7.3	8.3	5.3	5.0	7.7	7.0	6.3	.	8	7.0	6.9
MB-82	7.0	8.7	5.3	5.0	7.3	7.3	6.3	.	8	7.0	6.9
RESCUE 911	7.0	8.3	5.0	5.7	8.3	7.0	5.3	.	8	7.3	6.9
ISI FL 12	6.3	8.7	5.3	5.0	7.7	7.0	6.0	7	8	7.7	6.9
RELIANT II	6.0	8.0	5.0	5.0	8.3	7.3	6.3	7	8	7.0	6.8
SCALDIS	7.0	8.0	5.7	4.7	8.0	7.0	5.0	7	8	7.0	6.7
BIGHORN	6.7	8.0	5.3	4.7	7.7	7.0	6.0	7	8	6.7	6.7
LSD VALUE	1.1	0.7	1.5	0.8	0.9	0.9	2.4	0	0	0.9	0.4
C.V. (%)	9.5	5.0	16.6	9.3	7.5	8.0	22.4	0	0	7.6	10.4

TABLE 13F.

LEAF TEXTURE RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	IA1	KY1	MO1	MT1	NC1	NJ2	NS1	OK1	QE1	RI1	MEAN
QUATRO	7.3	9.0	6.3	5.7	8.7	9.0	9.0	7	8	9.0	7.9
PST-4MB	6.3	8.7	6.0	5.0	7.3	7.0	6.7	7	8	7.0	6.9
MINOTAUR	6.3	8.7	5.3	5.3	7.7	7.0	6.0	.	8	6.3	6.7
SR 3200	6.7	9.0	5.0	5.0	7.7	6.3	6.0	7	8	6.7	6.7
SR 6000	4.7	4.0	6.0	6.0	7.3	2.0	2.0	7	8	4.0	5.1
LSD VALUE	1.4	0.6	1.2	0.6	1.4	0.4	2.2	0	0	1.2	0.4
C.V. (%)	13.7	4.6	12.7	6.8	11.1	4.1	23.0	0	0	11.1	10.7

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

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

TABLE 14A.

SEEDLING VIGOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	CA1	IN1	KS1	KY1	MA1	MI1	MI2	MO1	MT1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	WA1	WA3	MEAN
SALSA	6.3	7.3	9.0	7.0	5.7	7.0	5.7	3.3	5.3	8.7	7.0	7.0	7.0	5.7	8.0	6.3	5.0	6.7	7.7	6.3	6.6
COMMON CREEPING RED	5.7	8.0	9.0	8.7	6.7	6.0	4.7	3.7	5.3	6.7	8.3	7.3	6.0	5.0	8.3	6.3	2.7	9.0	7.7	5.7	6.5
DGSC 94	5.7	8.3	9.0	7.0	5.3	6.7	2.3	6.0	5.3	8.7	7.7	7.7	6.0	6.0	6.3	6.0	4.7	8.0	7.0	4.7	6.4
SANDPIPER	6.0	8.7	8.7	6.0	4.7	3.7	2.0	5.7	5.3	8.7	7.0	7.7	6.7	6.0	7.7	6.0	5.7	8.0	7.7	6.7	6.4
ISI FRR 7	5.7	6.7	8.7	6.0	5.0	3.7	6.0	6.0	5.0	7.7	7.7	6.0	6.3	6.0	7.0	6.0	6.7	9.0	7.3	5.7	6.4
PATHFINDER	6.3	6.3	9.0	7.0	5.3	4.7	8.0	7.3	4.7	6.0	7.3	7.0	6.3	4.7	5.3	5.7	6.3	7.3	7.3	6.0	6.4
SHADEMARK	5.7	8.7	9.0	6.7	4.7	4.0	6.0	6.3	5.7	7.3	7.0	6.3	5.7	6.7	6.7	5.3	5.3	8.0	7.0	5.0	6.4
MB-63	6.3	6.7	9.0	6.0	4.3	5.3	8.3	6.7	5.7	7.0	6.7	6.0	6.0	5.0	5.3	5.3	6.0	7.7	6.7	6.3	6.3
BRITTANY	5.3	6.7	8.3	7.0	4.7	4.3	8.3	7.0	4.7	8.7	6.7	7.0	6.0	3.7	6.0	5.7	5.0	8.0	6.7	6.3	6.3
PST-EFL	6.7	6.7	8.7	6.7	4.7	4.0	4.3	6.7	5.0	7.0	7.3	7.0	6.7	6.3	5.0	5.7	7.0	8.3	6.3	6.0	6.3
JAMESTOWN II	5.0	6.7	8.7	7.0	5.7	3.3	4.0	7.0	4.3	7.0	7.7	6.7	6.3	6.3	7.3	6.0	4.3	8.3	7.3	7.0	6.3
BOREAL	7.3	5.7	9.0	7.7	5.3	4.7	2.3	5.0	5.7	7.3	7.7	6.7	7.0	6.3	7.7	6.3	3.3	6.7	7.7	6.0	6.3
JASPER II	5.7	7.7	9.0	6.3	6.0	4.7	6.7	7.0	4.3	6.0	6.7	7.0	6.0	5.3	5.3	5.7	7.0	6.3	6.3	5.7	6.2
BRIDGEPORT	6.3	7.0	8.7	6.0	5.3	5.0	3.7	6.0	4.3	8.3	6.3	6.3	6.3	5.7	6.0	6.0	5.7	6.7	6.7	6.7	6.2
SRX 52961	6.0	6.3	8.3	6.7	4.7	2.3	6.3	6.0	4.3	6.3	7.0	7.3	6.7	6.0	5.7	6.0	7.0	7.0	7.3	4.3	6.1
ISI FRR 5	6.7	7.0	9.0	6.0	4.7	3.7	6.7	6.7	5.0	5.0	6.7	6.3	6.3	5.7	4.7	6.0	6.3	7.3	7.3	4.3	6.1
ABT-CR-3	6.3	6.3	8.3	6.0	4.3	3.7	7.0	7.3	4.7	6.3	6.0	6.3	6.3	4.0	5.7	5.7	6.7	7.0	6.7	6.0	6.0
SR 5100	5.3	7.0	8.3	6.0	4.7	5.0	3.0	6.7	5.0	7.3	6.3	7.3	6.0	5.7	5.7	5.7	6.0	6.3	7.3	5.7	6.0
CULOMBRA	6.0	5.0	8.3	6.3	6.3	3.0	2.7	6.3	5.7	8.3	7.0	7.3	6.3	6.0	6.3	6.0	6.0	5.3	6.3	5.3	6.0
SEABREEZE	6.3	6.0	9.0	5.7	6.0	4.7	4.7	6.3	4.7	5.3	6.3	7.0	6.3	4.3	6.0	5.3	4.7	7.7	7.7	5.7	6.0
MAGIC	4.7	7.3	8.0	6.0	5.0	4.0	3.3	7.0	4.7	6.0	6.3	7.3	5.7	4.7	6.0	5.7	5.3	6.7	7.0	6.3	5.9
SRX 52LAV	6.0	7.0	9.0	7.0	5.7	4.0	3.7	5.7	3.3	6.0	6.3	6.0	5.7	5.0	6.3	5.3	6.7	6.7	6.7	5.0	5.9
ABT-CHW-3	5.7	5.7	7.3	5.7	4.3	2.7	6.0	7.3	4.3	6.3	6.5	7.3	5.7	5.3	4.7	5.7	5.7	7.7	6.7	6.3	5.8
SHADEMASTER II	6.7	6.3	8.7	7.0	4.7	4.0	1.3	7.0	5.0	6.7	6.3	6.3	6.0	5.0	5.3	6.0	5.7	6.0	7.0	5.3	5.8
FLORENTINE	5.3	6.3	8.7	6.0	4.7	3.3	3.0	6.3	4.3	7.0	7.7	6.7	6.3	4.3	5.3	5.3	5.7	6.0	7.0	6.7	5.8
PICK FRC 4-92	5.3	7.0	8.0	6.0	5.0	3.7	2.7	6.3	5.3	5.7	6.0	7.3	6.0	5.0	5.7	5.7	5.0	8.3	6.7	5.3	5.8
LONGFELLOW II	5.0	5.0	8.3	5.0	3.7	5.0	4.7	7.3	5.3	6.3	6.3	6.5	6.0	4.0	6.0	5.3	6.0	7.7	6.7	5.7	5.8
BAR CHF 8 FUS2	4.0	6.3	8.7	5.7	5.0	4.0	5.0	6.0	4.3	6.7	6.0	6.7	6.0	4.3	5.3	5.7	5.0	7.0	6.7	7.0	5.8
ABT-CR-2	6.7	5.3	8.7	5.7	4.3	3.0	5.7	7.3	4.0	4.7	6.3	7.0	5.7	4.3	5.0	5.7	7.3	6.7	6.7	5.0	5.8
ABT-CHW-1	5.3	6.7	8.0	4.7	4.3	4.3	5.0	6.3	4.3	6.3	5.3	6.7	6.0	4.3	5.0	5.3	6.0	7.3	6.7	6.7	5.7
ABT-HF1	4.3	7.7	8.3	4.7	4.7	5.7	6.3	5.3	3.3	6.3	4.3	6.0	5.7	3.0	7.0	5.7	7.0	8.0	5.7	5.3	5.7
DAWSON E+	6.0	6.7	8.7	6.3	6.0	3.3	4.7	5.0	5.3	4.3	6.3	7.3	6.0	6.0	4.3	5.3	5.0	5.7	6.7	5.0	5.7
TIFFANY	4.7	6.3	8.7	6.0	4.3	3.0	6.3	6.0	4.0	6.3	6.3	6.0	6.0	4.7	5.7	5.7	5.7	5.7	6.7	6.0	5.7
ACF 092	5.7	6.0	8.7	5.7	5.3	4.7	5.3	6.3	3.7	5.0	5.7	6.0	6.0	5.7	4.7	5.7	6.3	5.0	7.0	5.0	5.7
ACF 083	4.0	6.7	9.0	6.0	5.0	5.3	1.7	5.7	4.7	6.3	6.0	7.0	5.7	6.0	4.7	5.3	5.0	6.3	7.0	5.7	5.7
ASR 049	6.0	7.3	8.0	6.0	4.3	4.3	5.3	4.7	4.7	4.3	6.0	7.0	6.0	5.7	3.3	5.3	5.0	8.0	6.0	5.3	5.6
BAR CF 8 FUS1	6.3	4.7	8.7	6.0	5.3	3.3	5.0	6.7	4.0	5.3	5.7	6.7	6.0	5.0	5.3	5.3	4.7	5.7	6.3	6.0	5.6
ABT-HF-2	5.7	6.3	8.3	4.0	4.3	4.3	7.3	6.0	3.0	5.7	4.0	6.0	5.3	3.3	6.3	5.3	7.3	6.0	5.7	6.3	5.5
PST-4FR	5.0	5.3	9.0	6.0	5.0	3.0	5.0	7.0	4.0	4.3	5.7	6.0	5.3	5.0	4.7	5.0	6.7	6.3	7.0	5.0	5.5
ABT-CHW-2	5.7	5.3	8.0	5.0	5.0	2.7	5.3	7.0	4.7	5.7	5.0	6.3	6.0	3.3	4.7	5.7	6.3	6.3	7.3	5.0	5.5
ASC 087	5.7	5.0	8.7	6.3	4.7	3.7	6.3	5.3	4.0	3.7	6.3	7.0	6.0	6.0	5.0	5.7	4.7	5.3	6.7	4.0	5.5
AHF 009	6.0	6.7	8.3	4.7	4.0	3.7	7.7	5.7	2.7	4.3	5.0	7.7	5.7	4.3	5.0	5.3	6.3	6.0	5.3	5.7	5.5
OXFORD	5.7	5.0	8.7	5.3	2.7	4.3	8.5	6.0	3.0	5.0	4.3	6.7	5.3	2.0	5.7	5.3	6.7	8.0	5.0	6.3	5.5
PICK FRC A-93	4.3	7.3	7.3	5.7	4.3	4.7	2.0	6.7	5.0	4.7	5.3	5.3	6.0	4.7	4.7	5.3	6.0	8.0	6.7	5.3	5.5

TABLE 14A. (CONT'D)

SEEDLING VIGOR RATINGS OF FINELEAF FESCUE CULTIVARS
1999 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR

NAME	CA1	IN1	KS1	KY1	MA1	MI1	MI2	MO1	MT1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	WA1	WA3	MEAN
AMBASSADOR	5.3	5.0	7.7	5.0	4.3	2.3	8.3	7.0	5.3	4.0	5.0	5.7	5.7	5.3	4.0	5.0	6.3	5.7	7.0	4.7	5.4
ATTILA E	6.0	7.3	9.0	5.0	5.0	4.0	2.7	5.0	3.7	4.7	4.7	7.7	5.3	3.7	4.3	5.7	5.0	8.0	5.3	6.3	5.4
SR 6000	5.7	5.7	7.0	3.0	3.3	5.0	2.0	5.7	5.7	7.0	5.0	7.0	7.0	3.7	7.7	6.0	2.3	5.7	6.0	7.3	5.4
PST-47TCR	5.7	6.3	8.3	5.7	4.0	3.3	6.0	6.3	5.0	3.7	5.7	5.3	6.0	5.3	4.0	5.0	5.3	4.7	6.7	5.3	5.4
INTRIGUE	4.7	7.0	8.0	5.3	4.3	5.0	1.0	6.3	4.0	4.3	6.0	7.7	6.3	4.7	4.3	5.7	6.3	4.0	6.3	5.7	5.4
NORDIC (E)	6.0	6.0	8.3	4.7	4.3	4.3	4.7	6.0	4.0	3.7	4.0	7.0	5.3	2.0	5.0	5.3	6.7	7.7	6.0	5.7	5.3
ISI FL 11	5.0	7.3	8.7	4.7	3.7	3.0	4.0	5.7	3.7	5.3	4.7	6.0	5.7	3.0	5.7	5.7	6.7	6.0	6.0	6.0	5.3
RELIANT II	5.7	6.0	8.7	4.7	4.3	4.7	2.0	5.0	3.3	6.0	4.7	6.0	5.3	2.7	6.7	5.7	6.0	7.3	4.7	6.7	5.3
TREAZURE (E)	5.7	5.3	8.7	5.7	3.7	4.0	0.3	6.3	5.0	5.7	5.3	7.3	6.0	4.7	5.0	5.7	6.0	4.0	6.7	5.0	5.3
BANNER III	6.7	5.0	8.0	5.3	3.7	3.0	6.3	5.7	4.7	3.0	5.7	6.7	5.3	6.3	4.0	5.3	5.0	6.0	6.0	4.3	5.3
ISI FL 12	4.7	6.0	8.3	4.7	4.0	5.0	2.3	5.7	3.7	5.0	5.3	7.3	5.7	3.7	6.0	5.7	6.7	4.7	5.3	6.0	5.3
QUATRO	6.0	6.0	8.7	4.0	3.3	4.0	2.7	5.3	3.0	4.7	4.7	5.7	5.7	3.3	5.3	6.0	7.3	8.0	5.7	6.3	5.3
4001	5.0	7.3	8.3	4.3	4.7	4.3	4.0	5.3	3.3	5.0	4.0	6.7	4.7	2.3	6.0	5.3	7.3	6.0	5.3	6.0	5.3
DEFIANT	4.0	5.3	8.3	5.0	3.0	7.0	7.7	6.0	2.7	4.3	4.0	5.3	5.7	2.0	5.3	5.7	6.0	6.7	4.7	6.3	5.3
RESCUE 911	4.3	6.7	7.3	4.7	3.7	5.0	8.7	5.3	3.7	5.3	4.3	6.0	4.7	2.0	5.7	5.3	6.3	6.0	5.0	5.0	5.3
SHADOW II	5.3	6.7	7.0	5.3	4.7	2.7	2.7	5.7	4.0	4.0	5.7	6.3	5.3	3.7	4.7	5.3	6.0	7.7	6.7	5.3	5.2
SRX 3961	5.0	4.3	8.0	5.3	3.7	5.0	3.7	5.7	3.3	5.3	4.7	6.0	5.3	4.0	5.3	5.7	6.7	6.7	5.3	5.3	5.2
BIGHORN	5.0	7.0	7.7	5.3	5.0	3.3	5.5	5.7	3.0	5.0	4.3	6.0	4.3	3.3	6.0	4.7	5.0	6.3	5.7	6.0	5.2
ASC 082	4.7	4.3	8.7	5.0	3.7	4.3	5.3	6.0	3.3	3.7	5.3	6.0	5.3	4.3	4.7	5.0	6.0	7.0	6.7	4.7	5.2
PICK FF A-97	5.0	6.3	8.7	5.0	3.3	3.3	6.7	6.0	4.3	4.0	4.0	5.7	4.7	3.7	5.0	5.3	6.3	5.0	5.0	5.0	5.1
HERON	4.7	4.0	7.7	5.0	3.7	3.7	5.7	5.3	3.7	5.0	4.3	7.3	5.3	2.0	6.0	5.7	4.7	7.3	4.7	6.0	5.1
ABT-HF-3	4.0	5.7	8.0	4.3	4.3	3.7	6.7	5.7	3.7	4.0	4.7	6.3	5.7	3.0	5.3	5.3	4.3	6.7	5.0	5.3	5.1
BAR HF 8 FUS	5.3	4.0	9.0	4.3	4.7	3.7	5.7	6.0	3.0	3.7	4.7	5.7	5.7	4.3	4.3	5.3	7.7	5.0	5.3	4.3	5.1
BAR SCF 8 FUS3	5.7	4.3	8.0	4.3	5.0	3.7	7.7	5.0	4.3	4.3	5.0	5.0	5.7	4.3	4.0	5.3	5.0	4.3	5.7	4.0	5.0
SCALDIS	4.7	6.0	8.7	4.7	3.3	4.3	1.0	6.0	3.0	4.7	3.7	7.0	5.0	2.3	5.3	5.3	6.7	8.7	5.3	5.0	5.0
DISCOVERY	4.3	3.7	8.3	5.3	3.3	4.0	3.7	6.0	2.7	3.7	4.0	5.7	6.0	2.3	6.0	5.7	6.0	6.3	4.7	6.7	4.9
SR 3200	5.3	4.0	8.7	5.7	3.3	5.0	1.3	5.7	3.0	4.3	4.7	6.3	5.0	3.3	6.3	5.3	4.3	5.7	5.3	5.3	4.9
ABT-HF-4	4.0	5.0	8.0	4.3	5.0	4.7	2.0	5.3	3.3	3.7	4.7	6.0	5.0	2.7	5.3	6.0	5.3	8.0	5.3	4.0	4.9
SCALDIS II (AHF 008)	4.7	4.3	8.3	5.0	3.7	3.7	5.0	5.7	3.0	4.3	4.3	6.0	5.3	3.3	5.0	5.3	3.7	7.3	5.3	4.3	4.9
PST-4HM	5.7	6.7	8.3	4.3	3.7	3.7	3.0	5.3	3.3	2.7	4.0	5.7	4.7	2.3	3.3	5.7	7.0	7.3	4.7	5.3	4.8
MINOTAUR	4.3	6.0	7.7	4.3	3.3	4.3	2.3	5.7	3.0	3.7	4.0	6.3	5.7	4.0	4.7	5.7	3.7	5.7	5.3	4.0	4.7
PST-4MB	4.0	7.0	8.0	4.0	3.7	2.7	4.0	5.7	3.3	4.0	4.0	5.3	5.0	1.7	3.7	5.0	5.3	5.0	4.7	4.0	4.5
OSPREY	3.7	6.3	8.3	4.0	3.0	2.7	4.3	5.7	2.3	2.0	3.7	5.0	4.3	2.3	4.3	4.3	7.0	7.3	3.7	4.3	4.4
MB-82	3.7	4.0	7.0	3.0	4.0	2.3	5.7	5.3	2.0	4.0	3.7	5.0	4.7	2.0	1.7	4.0	7.0	6.7	3.3	4.0	4.2
ASC 172	5.0	4.7	7.7	3.3	3.7	2.3	3.3	6.0	3.7	2.0	4.7	5.0	4.3	3.7	2.7	4.7	4.3	2.0	4.7	3.3	4.1
LSD VALUE	1.7	2.8	0.9	1.0	1.7	2.3	3.3	1.6	1.4	1.8	1.1	1.8	0.9	2.0	1.4	0.9	1.4	2.2	1.6	1.4	0.4
C.V. (%)	19.7	28.3	6.8	10.9	23.7	35.7	43.6	16.1	20.3	20.6	12.5	17.6	9.9	29.5	15.8	9.8	14.8	20.2	15.9	16.2	19.7

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

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

TABLE 14B.

SEEDLING VIGOR RATINGS OF CHEWINGS FESCUE CULTIVARS
1999 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR

NAME	CA1	IN1	KS1	KY1	MA1	MI1	MI2	MO1	MT1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	WA1	WA3	MEAN
SANDPIPER	6.0	8.7	8.7	6.0	4.7	3.7	2.0	5.7	5.3	8.7	7.0	7.7	6.7	6.0	7.7	6.0	5.7	8.0	7.7	6.7	6.4
MB-63	6.3	6.7	9.0	6.0	4.3	5.3	8.3	6.7	5.7	7.0	6.7	6.0	6.0	5.0	5.3	5.3	6.0	7.7	6.7	6.3	6.3
BRITTANY	5.3	6.7	8.3	7.0	4.7	4.3	8.3	7.0	4.7	8.7	6.7	7.0	6.0	3.7	6.0	5.7	5.0	8.0	6.7	6.3	6.3
JAMESTOWN II	5.0	6.7	8.7	7.0	5.7	3.3	4.0	7.0	4.3	7.0	7.7	6.7	6.3	6.3	7.3	6.0	4.3	8.3	7.3	7.0	6.3
BRIDGEPORT	6.3	7.0	8.7	6.0	5.3	5.0	3.7	6.0	4.3	8.3	6.3	6.3	6.3	5.7	6.0	6.0	5.7	6.7	6.7	6.7	6.2
SR 5100	5.3	7.0	8.3	6.0	4.7	5.0	3.0	6.7	5.0	7.3	6.3	7.3	6.0	5.7	5.7	5.7	6.0	6.3	7.3	5.7	6.0
CULOMBRA	6.0	5.0	8.3	6.3	6.3	3.0	2.7	6.3	5.7	8.3	7.0	7.3	6.3	6.0	6.3	6.0	6.0	5.3	6.3	5.3	6.0
MAGIC	4.7	7.3	8.0	6.0	5.0	4.0	3.3	7.0	4.7	6.0	6.3	7.3	5.7	4.7	6.0	5.7	5.3	6.7	7.0	6.3	5.9
ABT-CHW-3	5.7	5.7	7.3	5.7	4.3	2.7	6.0	7.3	4.3	6.3	6.5	7.3	5.7	5.3	4.7	5.7	5.7	7.7	6.7	6.3	5.8
PICK FRC 4-92	5.3	7.0	8.0	6.0	5.0	3.7	2.7	6.3	5.3	5.7	6.0	7.3	6.0	5.0	5.7	5.7	5.0	8.3	6.7	5.3	5.8
LONGFELLOW II	5.0	5.0	8.3	5.0	3.7	5.0	4.7	7.3	5.3	6.3	6.3	6.5	6.0	4.0	6.0	5.3	6.0	7.7	6.7	5.7	5.8
BAR CHF 8 FUS2	4.0	6.3	8.7	5.7	5.0	4.0	5.0	6.0	4.3	6.7	6.0	6.7	6.0	4.3	5.3	5.7	5.0	7.0	6.7	7.0	5.8
ABT-CHW-1	5.3	6.7	8.0	4.7	4.3	4.3	5.0	6.3	4.3	6.3	5.3	6.7	6.0	4.3	5.0	5.3	6.0	7.3	6.7	6.7	5.7
TIFFANY	4.7	6.3	8.7	6.0	4.3	3.0	6.3	6.0	4.0	6.3	6.3	6.0	6.0	4.7	5.7	5.7	5.7	5.7	6.7	6.0	5.7
ACF 092	5.7	6.0	8.7	5.7	5.3	4.7	5.3	6.3	3.7	5.0	5.7	6.0	6.0	5.7	4.7	5.7	6.3	5.0	7.0	5.0	5.7
ACF 083	4.0	6.7	9.0	6.0	5.0	5.3	1.7	5.7	4.7	6.3	6.0	7.0	5.7	6.0	4.7	5.3	5.0	6.3	7.0	5.7	5.7
ABT-CHW-2	5.7	5.3	8.0	5.0	5.0	2.7	5.3	7.0	4.7	5.7	5.0	6.3	6.0	3.3	4.7	5.7	6.3	6.3	7.3	5.0	5.5
PICK FRC A-93	4.3	7.3	7.3	5.7	4.3	4.7	2.0	6.7	5.0	4.7	5.3	5.3	6.0	4.7	4.7	5.3	6.0	8.0	6.7	5.3	5.5
AMBASSADOR	5.3	5.0	7.7	5.0	4.3	2.3	8.3	7.0	5.3	4.0	5.0	5.7	5.7	5.3	4.0	5.0	6.3	5.7	7.0	4.7	5.4
INTRIGUE	4.7	7.0	8.0	5.3	4.3	5.0	1.0	6.3	4.0	4.3	6.0	7.7	6.3	4.7	4.3	5.7	6.3	4.0	6.3	5.7	5.4
TREAZURE (E)	5.7	5.3	8.7	5.7	3.7	4.0	0.3	6.3	5.0	5.7	5.3	7.3	6.0	4.7	5.0	5.7	6.0	4.0	6.7	5.0	5.3
BANNER III	6.7	5.0	8.0	5.3	3.7	3.0	6.3	5.7	4.7	3.0	5.7	6.7	5.3	6.3	4.0	5.3	5.0	6.0	6.0	4.3	5.3
SHADOW II	5.3	6.7	7.0	5.3	4.7	2.7	2.7	5.7	4.0	4.0	5.7	6.3	5.3	3.7	4.7	5.3	6.0	7.7	6.7	5.3	5.2
PST-4HM	5.7	6.7	8.3	4.3	3.7	3.7	3.0	5.3	3.3	2.7	4.0	5.7	4.7	2.3	3.3	5.7	7.0	7.3	4.7	5.3	4.8
LSD VALUE	1.6	3.0	1.0	0.8	1.7	2.1	3.0	1.6	1.1	1.5	1.1	1.7	0.7	2.1	1.2	0.9	1.4	2.2	1.6	1.5	0.4
C.V. (%)	19.1	29.5	7.4	9.3	22.1	32.7	43.7	15.1	15.2	15.1	11.3	15.8	7.7	26.7	13.6	9.9	15.6	20.5	14.7	15.8	18.4

TABLE 14C.

SEEDLING VIGOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	CA1	IN1	KS1	KY1	MA1	MI1	MI2	MO1	MT1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	WA1	WA3	MEAN
SEABREEZE	6.3	6.0	9.0	5.7	6.0	4.7	4.7	6.3	4.7	5.3	6.3	7.0	6.3	4.3	6.0	5.3	4.7	7.7	7.7	5.7	6.0
DAWSON E+	6.0	6.7	8.7	6.3	6.0	3.3	4.7	5.0	5.3	4.3	6.3	7.3	6.0	6.0	4.3	5.3	5.0	5.7	6.7	5.0	5.7
ASR 049	6.0	7.3	8.0	6.0	4.3	4.3	5.3	4.7	4.7	4.3	6.0	7.0	6.0	5.7	3.3	5.3	5.0	8.0	6.0	5.3	5.6
BAR SCF 8 FUS3	5.7	4.3	8.0	4.3	5.0	3.7	7.7	5.0	4.3	4.3	5.0	5.0	5.7	4.3	4.0	5.3	5.0	4.3	5.7	4.0	5.0
LSD VALUE	1.9	2.0	0.5	0.8	0.9	2.6	3.4	2.4	1.2	1.2	1.3	1.9	0.7	0.8	1.5	0.9	1.9	1.8	1.4	1.7	0.4
C.V. (%)	19.8	20.1	3.4	9.0	10.8	40.2	38.3	28.0	16.1	16.7	13.8	17.5	6.8	9.8	21.7	10.8	23.5	17.4	13.3	21.6	18.9

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

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

TABLE 14D.

SEEDLING VIGOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	CA1	IN1	KS1	KY1	MA1	MI1	MI2	MO1	MT1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	WA1	WA3	MEAN
SALSA	6.3	7.3	9.0	7.0	5.7	7.0	5.7	3.3	5.3	8.7	7.0	7.0	7.0	5.7	8.0	6.3	5.0	6.7	7.7	6.3	6.6
COMMON CREEPING RED	5.7	8.0	9.0	8.7	6.7	6.0	4.7	3.7	5.3	6.7	8.3	7.3	6.0	5.0	8.3	6.3	2.7	9.0	7.7	5.7	6.5
DGSC 94	5.7	8.3	9.0	7.0	5.3	6.7	2.3	6.0	5.3	8.7	7.7	7.7	6.0	6.0	6.3	6.0	4.7	8.0	7.0	4.7	6.4
ISI FRR 7	5.7	6.7	8.7	6.0	5.0	3.7	6.0	6.0	5.0	7.7	7.7	6.0	6.3	6.0	7.0	6.0	6.7	9.0	7.3	5.7	6.4
PATHFINDER	6.3	6.3	9.0	7.0	5.3	4.7	8.0	7.3	4.7	6.0	7.3	7.0	6.3	4.7	5.3	5.7	6.3	7.3	7.3	6.0	6.4
SHADEMARK	5.7	8.7	9.0	6.7	4.7	4.0	6.0	6.3	5.7	7.3	7.0	6.3	5.7	6.7	6.7	5.3	5.3	8.0	7.0	5.0	6.4
PST-EFL	6.7	6.7	8.7	6.7	4.7	4.0	4.3	6.7	5.0	7.0	7.3	7.0	6.7	6.3	5.0	5.7	7.0	8.3	6.3	6.0	6.3
BOREAL	7.3	5.7	9.0	7.7	5.3	4.7	2.3	5.0	5.7	7.3	7.7	6.7	7.0	6.3	7.7	6.3	3.3	6.7	7.7	6.0	6.3
JASPER II	5.7	7.7	9.0	6.3	6.0	4.7	6.7	7.0	4.3	6.0	6.7	7.0	6.0	5.3	5.3	5.7	7.0	6.3	6.3	5.7	6.2
SRX 52961	6.0	6.3	8.3	6.7	4.7	2.3	6.3	6.0	4.3	6.3	7.0	7.3	6.7	6.0	5.7	6.0	7.0	7.0	7.3	4.3	6.1
ISI FRR 5	6.7	7.0	9.0	6.0	4.7	3.7	6.7	6.7	5.0	5.0	6.7	6.3	6.3	5.7	4.7	6.0	6.3	7.3	7.3	4.3	6.1
ABT-CR-3	6.3	6.3	8.3	6.0	4.3	3.7	7.0	7.3	4.7	6.3	6.0	6.3	6.3	4.0	5.7	5.7	6.7	7.0	6.7	6.0	6.0
SRX 52LAV	6.0	7.0	9.0	7.0	5.7	4.0	3.7	5.7	3.3	6.0	6.3	6.0	5.7	5.0	6.3	5.3	6.7	6.7	6.7	5.0	5.9
SHADEMASTER II	6.7	6.3	8.7	7.0	4.7	4.0	1.3	7.0	5.0	6.7	6.3	6.3	6.0	5.0	5.3	6.0	5.7	6.0	7.0	5.3	5.8
FLORENTINE	5.3	6.3	8.7	6.0	4.7	3.3	3.0	6.3	4.3	7.0	7.7	6.7	6.3	4.3	5.3	5.3	5.7	6.0	7.0	6.7	5.8
ABT-CR-2	6.7	5.3	8.7	5.7	4.3	3.0	5.7	7.3	4.0	4.7	6.3	7.0	5.7	4.3	5.0	5.7	7.3	6.7	6.7	5.0	5.8
BAR CF 8 FUS1	6.3	4.7	8.7	6.0	5.3	3.3	5.0	6.7	4.0	5.3	5.7	6.7	6.0	5.0	5.3	5.3	4.7	5.7	6.3	6.0	5.6
PST-4FR	5.0	5.3	9.0	6.0	5.0	3.0	5.0	7.0	4.0	4.3	5.7	6.0	5.3	5.0	4.7	5.0	6.7	6.3	7.0	5.0	5.5
ASC 087	5.7	5.0	8.7	6.3	4.7	3.7	6.3	5.3	4.0	3.7	6.3	7.0	6.0	6.0	5.0	5.7	4.7	5.3	6.7	4.0	5.5
PST-47TCR	5.7	6.3	8.3	5.7	4.0	3.3	6.0	6.3	5.0	3.7	5.7	5.3	6.0	5.3	4.0	5.0	5.3	4.7	6.7	5.3	5.4
ASC 082	4.7	4.3	8.7	5.0	3.7	4.3	5.3	6.0	3.3	3.7	5.3	6.0	5.3	4.3	4.7	5.0	6.0	7.0	6.7	4.7	5.2
ASC 172	5.0	4.7	7.7	3.3	3.7	2.3	3.3	6.0	3.7	2.0	4.7	5.0	4.3	3.7	2.7	4.7	4.3	2.0	4.7	3.3	4.1
LSD VALUE	1.7	2.4	0.7	0.9	1.7	2.6	3.5	1.6	1.7	1.4	1.0	1.7	1.0	2.2	1.6	0.9	1.4	2.1	1.3	1.3	0.4
C.V. (%)	18.3	23.6	4.9	8.5	22.1	39.2	42.7	16.4	22.4	14.4	9.6	16.5	10.2	26.6	17.9	9.8	15.3	19.4	11.9	15.7	18.5

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

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

TABLE 14E.

SEEDLING VIGOR RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	CA1	IN1	KS1	KY1	MA1	MI1	MI2	MO1	MT1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	WA1	WA3	MEAN
ABT-HF1	4.3	7.7	8.3	4.7	4.7	5.7	6.3	5.3	3.3	6.3	4.3	6.0	5.7	3.0	7.0	5.7	7.0	8.0	5.7	5.3	5.7
ABT-HF-2	5.7	6.3	8.3	4.0	4.3	4.3	7.3	6.0	3.0	5.7	4.0	6.0	5.3	3.3	6.3	5.3	7.3	6.0	5.7	6.3	5.5
AHF 009	6.0	6.7	8.3	4.7	4.0	3.7	7.7	5.7	2.7	4.3	5.0	7.7	5.7	4.3	5.0	5.3	6.3	6.0	5.3	5.7	5.5
OXFORD	5.7	5.0	8.7	5.3	2.7	4.3	8.5	6.0	3.0	5.0	4.3	6.7	5.3	2.0	5.7	5.3	6.7	8.0	5.0	6.3	5.5
ATTILA E	6.0	7.3	9.0	5.0	5.0	4.0	2.7	5.0	3.7	4.7	4.7	7.7	5.3	3.7	4.3	5.7	5.0	8.0	5.3	6.3	5.4
NORDIC (E)	6.0	6.0	8.3	4.7	4.3	4.3	4.7	6.0	4.0	3.7	4.0	7.0	5.3	2.0	5.0	5.3	6.7	7.7	6.0	5.7	5.3
ISI FL 11	5.0	7.3	8.7	4.7	3.7	3.0	4.0	5.7	3.7	5.3	4.7	6.0	5.7	3.0	5.7	5.7	6.7	6.0	6.0	6.0	5.3
RELIANT II	5.7	6.0	8.7	4.7	4.3	4.7	2.0	5.0	3.3	6.0	4.7	6.0	5.3	2.7	6.7	5.7	6.0	7.3	4.7	6.7	5.3
ISI FL 12	4.7	6.0	8.3	4.7	4.0	5.0	2.3	5.7	3.7	5.0	5.3	7.3	5.7	3.7	6.0	5.7	6.7	4.7	5.3	6.0	5.3
4001	5.0	7.3	8.3	4.3	4.7	4.3	4.0	5.3	3.3	5.0	4.0	6.7	4.7	2.3	6.0	5.3	7.3	6.0	5.3	6.0	5.3
DEFIANT	4.0	5.3	8.3	5.0	3.0	7.0	7.7	6.0	2.7	4.3	4.0	5.3	5.7	2.0	5.3	5.7	6.0	6.7	4.7	6.3	5.3
RESCUE 911	4.3	6.7	7.3	4.7	3.7	5.0	8.7	5.3	3.7	5.3	4.3	6.0	4.7	2.0	5.7	5.3	6.3	6.0	5.0	5.0	5.3
SRX 3961	5.0	4.3	8.0	5.3	3.7	5.0	3.7	5.7	3.3	5.3	4.7	6.0	5.3	4.0	5.3	5.7	6.7	6.7	5.3	5.3	5.2
BIGHORN	5.0	7.0	7.7	5.3	5.0	3.3	5.5	5.7	3.0	5.0	4.3	6.0	4.3	3.3	6.0	4.7	5.0	6.3	5.7	6.0	5.2
PICK FF A-97	5.0	6.3	8.7	5.0	3.3	3.3	6.7	6.0	4.3	4.0	4.0	5.7	4.7	3.7	5.0	5.3	6.3	5.0	5.0	5.0	5.1
HERON	4.7	4.0	7.7	5.0	3.7	3.7	5.7	5.3	3.7	5.0	4.3	7.3	5.3	2.0	6.0	5.7	4.7	7.3	4.7	6.0	5.1
ABT-HF-3	4.0	5.7	8.0	4.3	4.3	3.7	6.7	5.7	3.7	4.0	4.7	6.3	5.7	3.0	5.3	5.3	4.3	6.7	5.0	5.3	5.1
BAR HF 8 FUS	5.3	4.0	9.0	4.3	4.7	3.7	5.7	6.0	3.0	3.7	4.7	5.7	5.7	4.3	4.3	5.3	7.7	5.0	5.3	4.3	5.1
SCALDIS	4.7	6.0	8.7	4.7	3.3	4.3	1.0	6.0	3.0	4.7	3.7	7.0	5.0	2.3	5.3	5.3	6.7	8.7	5.3	5.0	5.0
DISCOVERY	4.3	3.7	8.3	5.3	3.3	4.0	3.7	6.0	2.7	3.7	4.0	5.7	6.0	2.3	6.0	5.7	6.0	6.3	4.7	6.7	4.9
ABT-HF-4	4.0	5.0	8.0	4.3	5.0	4.7	2.0	5.3	3.3	3.7	4.7	6.0	5.0	2.7	5.3	6.0	5.3	8.0	5.3	4.0	4.9
SCALDIS II (AHF 008)	4.7	4.3	8.3	5.0	3.7	3.7	5.0	5.7	3.0	4.3	4.3	6.0	5.3	3.3	5.0	5.3	3.7	7.3	5.3	4.3	4.9
OSPREY	3.7	6.3	8.3	4.0	3.0	2.7	4.3	5.7	2.3	2.0	3.7	5.0	4.3	2.3	4.3	4.3	7.0	7.3	3.7	4.3	4.4
MB-82	3.7	4.0	7.0	3.0	4.0	2.3	5.7	5.3	2.0	4.0	3.7	5.0	4.7	2.0	1.7	4.0	7.0	6.7	3.3	4.0	4.2
LSD VALUE	1.7	3.0	1.0	1.2	1.7	2.2	3.5	1.3	1.3	2.4	1.2	1.9	1.1	1.9	1.3	0.9	1.2	2.0	1.8	1.5	0.4
C.V. (%)	22.0	32.6	7.8	15.4	27.4	33.6	42.0	14.3	24.8	33.2	17.4	19.0	12.9	40.4	15.6	10.3	12.1	18.5	21.5	16.5	22.0

TABLE 14F.

SEEDLING VIGOR RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	CA1	IN1	KS1	KY1	MA1	MI1	MI2	MO1	MT1	NJ1	NJ2	NS1	NY1	OK1	PA1	QE1	RI1	SD1	WA1	WA3	MEAN
SR 6000	5.7	5.7	7.0	3.0	3.3	5.0	2.0	5.7	5.7	7.0	5.0	7.0	7.0	3.7	7.7	6.0	2.3	5.7	6.0	7.3	5.4
QUATRO	6.0	6.0	8.7	4.0	3.3	4.0	2.7	5.3	3.0	4.7	4.7	5.7	5.7	3.3	5.3	6.0	7.3	8.0	5.7	6.3	5.3
SR 3200	5.3	4.0	8.7	5.7	3.3	5.0	1.3	5.7	3.0	4.3	4.7	6.3	5.0	3.3	6.3	5.3	4.3	5.7	5.3	5.3	4.9
MINOTAUR	4.3	6.0	7.7	4.3	3.3	4.3	2.3	5.7	3.0	3.7	4.0	6.3	5.7	4.0	4.7	5.7	3.7	5.7	5.3	4.0	4.7
PST-4MB	4.0	7.0	8.0	4.0	3.7	2.7	4.0	5.7	3.3	4.0	4.0	5.3	5.0	1.7	3.7	5.0	5.3	5.0	4.7	4.0	4.5
LSD VALUE	1.6	2.5	1.0	0.9	2.0	2.7	3.0	1.6	1.2	1.4	0.9	2.4	0.6	2.1	0.9	0.6	1.2	3.1	1.8	1.2	0.4
C.V. (%)	19.7	27.4	7.9	13.7	36.4	39.4	74.8	17.3	20.3	18.9	12.9	24.5	6.4	40.3	10.4	6.5	15.9	31.6	20.8	14.3	22.6

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

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

TABLE 15A.

 SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 1999 DATA

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

NAME	KS1	MO1	MT1	NE1	NS1	OK1	PA1	SD1	WA3	MEAN
ABT-CHW-3	7.0	7.7	4.3	7.0	8.0	4.3	8.7	7.0	6.7	6.7
MAGIC	8.0	7.0	4.7	8.0	7.3	5.7	7.3	6.3	6.0	6.7
TREASURE (E)	7.0	7.0	5.0	8.0	7.7	5.3	7.7	6.7	6.0	6.7
OXFORD	8.0	7.0	3.0	7.7	8.0	5.0	8.3	6.7	6.3	6.7
QUATRO	8.7	6.7	3.0	8.3	7.7	5.0	7.3	7.0	6.3	6.7
SR 6000	6.7	5.7	5.7	7.3	8.0	5.3	8.0	6.7	6.7	6.7
ABT-CHW-2	6.7	6.7	4.7	8.3	8.0	5.7	7.3	6.3	6.0	6.6
ABT-HF1	8.3	6.0	3.3	8.7	7.3	4.7	8.0	6.7	6.7	6.6
BRIDGEPORT	7.3	7.3	4.3	7.3	7.3	6.7	7.0	6.0	6.3	6.6
INTRIGUE	7.0	6.3	4.0	8.0	7.7	5.3	8.7	5.7	7.0	6.6
PICK FRC A-93	7.7	7.0	5.0	7.3	6.7	5.3	7.7	6.7	6.3	6.6
PICK FRC 4-92	7.3	6.7	5.3	5.0	7.7	6.0	7.3	6.7	7.3	6.6
HERON	7.7	6.3	3.7	7.7	7.7	4.7	8.0	7.0	6.7	6.6
JAMESTOWN II	8.0	7.3	4.3	7.0	8.0	6.3	6.3	5.3	6.3	6.6
BAR CHF 8 FUS2	6.7	7.0	4.3	6.7	7.7	6.0	7.7	6.3	6.3	6.5
BAR HF 8 FUS	8.3	6.3	3.0	8.0	7.0	5.7	8.0	6.3	6.0	6.5
AMBASSADOR	7.3	7.0	5.3	5.0	7.0	5.0	8.0	6.7	7.3	6.5
LONGFELLOW II	8.0	7.0	5.3	4.3	7.0	5.7	8.3	6.3	6.7	6.5
SR 5100	7.7	7.3	5.0	7.7	7.3	4.7	6.7	6.0	6.3	6.5
NORDIC (E)	7.3	6.3	4.0	8.3	7.3	4.0	8.3	6.0	6.7	6.5
4001	8.0	6.3	3.3	5.7	7.7	5.3	8.7	6.7	6.7	6.5
BRITTANY	7.7	7.0	4.7	7.3	7.3	5.7	6.7	5.7	6.3	6.5
ABT-HF-2	7.3	6.0	3.0	7.7	7.7	5.0	8.3	7.0	6.0	6.4
ACF 092	7.3	6.7	3.7	7.3	7.0	6.3	7.3	6.3	6.0	6.4
ISI FL 12	7.3	5.7	3.7	8.3	8.0	5.3	7.3	6.0	6.3	6.4
DAWSON E+	7.7	6.3	5.3	8.0	7.3	6.3	6.3	5.0	5.7	6.4
MB-63	8.0	7.3	5.7	7.0	6.3	5.7	7.0	5.3	5.7	6.4
BAR SCF 8 FUS3	6.7	7.0	4.3	7.0	7.0	6.0	7.3	6.0	6.3	6.4
PATHFINDER	7.7	7.7	4.7	8.0	7.0	6.3	6.0	4.3	6.0	6.4
RELIANT II	7.7	5.3	3.3	8.7	7.0	5.3	8.0	6.3	6.0	6.4
CULOMBRA	7.7	7.0	5.7	6.3	7.7	5.7	6.7	5.7	5.3	6.4
SANDPIPER	8.7	6.7	5.3	5.0	7.7	5.3	6.0	6.0	7.0	6.4
ABT-HF-4	7.7	6.0	3.3	8.3	7.0	4.7	8.0	6.3	6.0	6.4
ASR 049	7.7	5.0	4.7	6.7	7.3	6.0	7.3	5.7	7.0	6.4
AHF 009	8.0	6.3	2.7	8.0	7.3	5.7	7.0	6.0	6.0	6.3
SCALDIS	7.7	6.3	3.0	7.0	7.3	5.3	8.0	6.3	6.0	6.3
ABT-HF-3	7.7	5.7	3.7	7.7	8.0	4.3	8.0	6.0	5.7	6.3
DISCOVERY	6.7	7.0	2.7	8.0	7.3	4.3	8.0	6.3	6.3	6.3
ISI FL 11	7.7	5.7	3.7	8.0	7.0	6.0	7.3	6.3	5.0	6.3
SEABREEZE	8.0	7.0	4.7	8.0	7.0	6.0	5.7	5.0	5.3	6.3
SRX 3961	7.3	5.7	3.3	7.7	7.3	4.7	8.0	6.3	6.3	6.3
PICK FF A-97	8.7	6.7	4.3	6.7	6.7	4.7	7.7	5.3	6.0	6.3
JASPER II	7.3	6.7	4.3	8.3	7.0	5.7	6.7	4.7	6.0	6.3
MINOTAUR	8.3	5.7	3.0	7.7	7.3	5.3	7.3	5.3	6.3	6.3

TABLE 15A.
(CONT'D)

SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1999 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY										
NAME	KS1	MO1	MT1	NE1	NS1	OK1	PA1	SD1	WA3	MEAN
ABT-CHW-1	7.3	6.7	4.3	5.0	7.0	5.7	7.7	6.3	6.3	6.3
SCALDIS II (AHF 008)	6.7	6.0	3.0	8.3	7.3	5.7	7.7	5.3	6.3	6.3
ACF 083	8.0	6.0	4.7	5.0	7.3	6.7	7.0	5.7	6.0	6.3
ATTILA E	8.0	4.7	3.7	8.0	8.0	6.0	7.7	4.7	5.7	6.3
SHADEMARK	8.0	6.7	5.7	7.0	6.7	7.0	5.7	4.0	5.7	6.3
ABT-CR-3	6.7	7.0	4.7	6.3	7.3	5.7	6.3	5.0	6.7	6.2
PST-4MB	8.0	6.3	3.3	7.7	7.0	5.0	7.3	5.7	5.3	6.2
SR 3200	7.7	5.0	3.0	8.3	7.7	5.7	6.7	6.7	5.0	6.2
ABT-CR-2	7.7	7.0	4.0	6.3	6.7	5.3	6.3	5.3	6.7	6.1
BANNER III	6.0	7.3	4.7	6.7	7.0	5.0	7.3	5.7	5.7	6.1
BOREAL	7.7	6.0	5.7	6.3	7.3	7.0	5.3	4.7	5.3	6.1
SALSA	8.3	5.0	5.3	7.0	7.0	6.3	6.0	4.7	5.3	6.1
BAR CF 8 FUS1	7.3	7.0	4.0	7.0	7.3	6.7	5.7	4.7	5.3	6.1
PST-4FR	8.0	7.0	4.0	6.3	6.7	5.7	6.7	4.7	6.0	6.1
PST-EFL	7.7	7.0	5.0	6.0	7.0	6.0	6.3	4.7	5.0	6.1
RESCUE 911	7.3	6.3	3.7	6.7	7.0	4.3	7.7	6.3	5.3	6.1
OSPREY	7.0	6.3	2.3	7.3	7.3	4.3	7.3	6.0	6.7	6.1
SHADEMASTER II	7.0	7.0	5.0	5.3	7.0	7.0	6.0	4.3	6.0	6.1
DGSC 94	7.3	6.3	5.3	6.7	7.3	6.3	5.7	4.0	5.3	6.0
PST-4HM	8.3	6.3	3.3	3.3	7.3	5.0	8.0	6.3	6.3	6.0
DEFIANT	8.3	6.0	2.7	7.0	6.3	5.0	7.3	6.0	5.7	6.0
COMMON CREEPING RED	7.0	5.3	5.3	7.0	8.3	5.7	5.3	4.3	5.3	6.0
ISI FRR 5	8.3	6.7	5.0	4.7	6.7	5.7	6.3	4.0	6.3	6.0
TIFFANY	6.7	6.7	4.0	4.3	7.3	6.0	7.3	6.0	5.3	6.0
BIGHORN	8.0	6.3	3.0	7.3	6.7	5.0	7.0	5.3	5.0	6.0
SRX 52961	7.3	6.7	4.3	5.7	8.0	5.3	5.7	4.7	6.0	6.0
ASC 087	7.0	5.3	4.0	7.3	7.0	6.7	5.7	5.0	5.3	5.9
SHADOW II	4.3	7.0	4.0	6.0	7.0	5.3	7.7	5.7	6.0	5.9
ASC 082	7.7	6.7	3.3	6.0	7.3	6.0	5.7	4.0	6.0	5.9
PST-47TCR	7.7	6.7	5.0	5.7	6.0	6.0	5.3	4.7	5.7	5.9
FLORENTINE	7.3	6.3	4.3	5.7	6.3	6.3	5.7	4.3	6.0	5.8
ISI FRR 7	7.3	7.0	5.0	4.7	7.0	5.0	5.7	4.3	6.0	5.8
MB-82	4.7	5.0	2.0	7.0	7.0	3.3	8.0	5.0	6.7	5.4
SRX 52LAV	8.0	6.7	3.3	3.7	6.3	5.7	5.7	4.0	5.0	5.4
ASC 172	4.7	6.0	3.7	5.0	5.7	5.3	5.7	3.7	5.3	5.0
LSD VALUE	1.6	1.6	1.4	2.7	1.3	1.6	1.1	1.1	1.0	0.5
C.V. (%)	13.4	15.3	20.3	24.5	11.3	18.5	9.6	12.7	10.1	15.5

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

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

TABLE 15B. SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									MEAN
	KS1	MO1	MT1	NE1	NS1	OK1	PA1	SD1	WA3	
ABT-CHW-3	7.0	7.7	4.3	7.0	8.0	4.3	8.7	7.0	6.7	6.7
MAGIC	8.0	7.0	4.7	8.0	7.3	5.7	7.3	6.3	6.0	6.7
TREASURE (E)	7.0	7.0	5.0	8.0	7.7	5.3	7.7	6.7	6.0	6.7
ABT-CHW-2	6.7	6.7	4.7	8.3	8.0	5.7	7.3	6.3	6.0	6.6
BRIDGEPORT	7.3	7.3	4.3	7.3	7.3	6.7	7.0	6.0	6.3	6.6
INTRIGUE	7.0	6.3	4.0	8.0	7.7	5.3	8.7	5.7	7.0	6.6
PICK FRC A-93	7.7	7.0	5.0	7.3	6.7	5.3	7.7	6.7	6.3	6.6
PICK FRC 4-92	7.3	6.7	5.3	5.0	7.7	6.0	7.3	6.7	7.3	6.6
JAMESTOWN II	8.0	7.3	4.3	7.0	8.0	6.3	6.3	5.3	6.3	6.6
BAR CHF 8 FUS2	6.7	7.0	4.3	6.7	7.7	6.0	7.7	6.3	6.3	6.5
AMBASSADOR	7.3	7.0	5.3	5.0	7.0	5.0	8.0	6.7	7.3	6.5
LONGFELLOW II	8.0	7.0	5.3	4.3	7.0	5.7	8.3	6.3	6.7	6.5
SR 5100	7.7	7.3	5.0	7.7	7.3	4.7	6.7	6.0	6.3	6.5
BRITTANY	7.7	7.0	4.7	7.3	7.3	5.7	6.7	5.7	6.3	6.5
ACF 092	7.3	6.7	3.7	7.3	7.0	6.3	7.3	6.3	6.0	6.4
MB-63	8.0	7.3	5.7	7.0	6.3	5.7	7.0	5.3	5.7	6.4
CULOMBRA	7.7	7.0	5.7	6.3	7.7	5.7	6.7	5.7	5.3	6.4
SANDPIPER	8.7	6.7	5.3	5.0	7.7	5.3	6.0	6.0	7.0	6.4
ABT-CHW-1	7.3	6.7	4.3	5.0	7.0	5.7	7.7	6.3	6.3	6.3
ACF 083	8.0	6.0	4.7	5.0	7.3	6.7	7.0	5.7	6.0	6.3
BANNER III	6.0	7.3	4.7	6.7	7.0	5.0	7.3	5.7	5.7	6.1
PST-4HM	8.3	6.3	3.3	3.3	7.3	5.0	8.0	6.3	6.3	6.0
TIFFANY	6.7	6.7	4.0	4.3	7.3	6.0	7.3	6.0	5.3	6.0
SHADOW II	4.3	7.0	4.0	6.0	7.0	5.3	7.7	5.7	6.0	5.9
LSD VALUE	1.7	1.3	1.1	3.0	1.4	1.4	1.2	1.1	0.9	0.5
C.V. (%)	14.8	11.7	15.2	29.7	12.1	15.9	10.3	11.2	8.8	15.4

TABLE 15C. SPRING DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									MEAN
	KS1	MO1	MT1	NE1	NS1	OK1	PA1	SD1	WA3	
DAWSON E+	7.7	6.3	5.3	8.0	7.3	6.3	6.3	5.0	5.7	6.4
BAR SCF 8 FUS3	6.7	7.0	4.3	7.0	7.0	6.0	7.3	6.0	6.3	6.4
ASR 049	7.7	5.0	4.7	6.7	7.3	6.0	7.3	5.7	7.0	6.4
SEABREEZE	8.0	7.0	4.7	8.0	7.0	6.0	5.7	5.0	5.3	6.3
LSD VALUE	0.8	1.2	1.2	1.7	1.3	1.7	0.9	1.2	0.8	0.4
C.V. (%)	6.7	12.1	16.1	14.0	11.4	17.1	8.7	14.1	8.2	12.2

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

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

TABLE 15D. SPRING DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									MEAN
	KS1	MO1	MT1	NE1	NS1	OK1	PA1	SD1	WA3	
PATHFINDER	7.7	7.7	4.7	8.0	7.0	6.3	6.0	4.3	6.0	6.4
JASPER II	7.3	6.7	4.3	8.3	7.0	5.7	6.7	4.7	6.0	6.3
SHADEMARK	8.0	6.7	5.7	7.0	6.7	7.0	5.7	4.0	5.7	6.3
ABT-CR-3	6.7	7.0	4.7	6.3	7.3	5.7	6.3	5.0	6.7	6.2
ABT-CR-2	7.7	7.0	4.0	6.3	6.7	5.3	6.3	5.3	6.7	6.1
BOREAL	7.7	6.0	5.7	6.3	7.3	7.0	5.3	4.7	5.3	6.1
SALSA	8.3	5.0	5.3	7.0	7.0	6.3	6.0	4.7	5.3	6.1
BAR CF 8 FUS1	7.3	7.0	4.0	7.0	7.3	6.7	5.7	4.7	5.3	6.1
PST-4FR	8.0	7.0	4.0	6.3	6.7	5.7	6.7	4.7	6.0	6.1
PST-EFL	7.7	7.0	5.0	6.0	7.0	6.0	6.3	4.7	5.0	6.1
SHADEMASTER II	7.0	7.0	5.0	5.3	7.0	7.0	6.0	4.3	6.0	6.1
DGSC 94	7.3	6.3	5.3	6.7	7.3	6.3	5.7	4.0	5.3	6.0
COMMON CREEPING RED	7.0	5.3	5.3	7.0	8.3	5.7	5.3	4.3	5.3	6.0
ISI FRR 5	8.3	6.7	5.0	4.7	6.7	5.7	6.3	4.0	6.3	6.0
SRX 52961	7.3	6.7	4.3	5.7	8.0	5.3	5.7	4.7	6.0	6.0
ASC 087	7.0	5.3	4.0	7.3	7.0	6.7	5.7	5.0	5.3	5.9
ASC 082	7.7	6.7	3.3	6.0	7.3	6.0	5.7	4.0	6.0	5.9
PST-47TCR	7.7	6.7	5.0	5.7	6.0	6.0	5.3	4.7	5.7	5.9
FLORENTINE	7.3	6.3	4.3	5.7	6.3	6.3	5.7	4.3	6.0	5.8
ISI FRR 7	7.3	7.0	5.0	4.7	7.0	5.0	5.7	4.3	6.0	5.8
SRX 52LAV	8.0	6.7	3.3	3.7	6.3	5.7	5.7	4.0	5.0	5.4
ASC 172	4.7	6.0	3.7	5.0	5.7	5.3	5.7	3.7	5.3	5.0
LSD VALUE	1.4	1.5	1.7	3.4	1.3	1.4	1.0	1.1	0.9	0.6
C.V. (%)	11.6	14.2	22.4	34.4	11.6	14.1	11.1	15.1	9.8	17.4

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

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

TABLE 15E.

SPRING DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									MEAN
	KS1	MO1	MT1	NE1	NS1	OK1	PA1	SD1	WA3	
OXFORD	8.0	7.0	3.0	7.7	8.0	5.0	8.3	6.7	6.3	6.7
ABT-HF1	8.3	6.0	3.3	8.7	7.3	4.7	8.0	6.7	6.7	6.6
HERON	7.7	6.3	3.7	7.7	7.7	4.7	8.0	7.0	6.7	6.6
BAR HF 8 FUS	8.3	6.3	3.0	8.0	7.0	5.7	8.0	6.3	6.0	6.5
NORDIC (E)	7.3	6.3	4.0	8.3	7.3	4.0	8.3	6.0	6.7	6.5
4001	8.0	6.3	3.3	5.7	7.7	5.3	8.7	6.7	6.7	6.5
ABT-HF-2	7.3	6.0	3.0	7.7	7.7	5.0	8.3	7.0	6.0	6.4
ISI FL 12	7.3	5.7	3.7	8.3	8.0	5.3	7.3	6.0	6.3	6.4
RELIANT II	7.7	5.3	3.3	8.7	7.0	5.3	8.0	6.3	6.0	6.4
ABT-HF-4	7.7	6.0	3.3	8.3	7.0	4.7	8.0	6.3	6.0	6.4
AHF 009	8.0	6.3	2.7	8.0	7.3	5.7	7.0	6.0	6.0	6.3
SCALDIS	7.7	6.3	3.0	7.0	7.3	5.3	8.0	6.3	6.0	6.3
ABT-HF-3	7.7	5.7	3.7	7.7	8.0	4.3	8.0	6.0	5.7	6.3
DISCOVERY	6.7	7.0	2.7	8.0	7.3	4.3	8.0	6.3	6.3	6.3
ISI FL 11	7.7	5.7	3.7	8.0	7.0	6.0	7.3	6.3	5.0	6.3
SRX 3961	7.3	5.7	3.3	7.7	7.3	4.7	8.0	6.3	6.3	6.3
PICK FF A-97	8.7	6.7	4.3	6.7	6.7	4.7	7.7	5.3	6.0	6.3
SCALDIS II (AHF 008)	6.7	6.0	3.0	8.3	7.3	5.7	7.7	5.3	6.3	6.3
ATTILA E	8.0	4.7	3.7	8.0	8.0	6.0	7.7	4.7	5.7	6.3
RESCUE 911	7.3	6.3	3.7	6.7	7.0	4.3	7.7	6.3	5.3	6.1
OSPREY	7.0	6.3	2.3	7.3	7.3	4.3	7.3	6.0	6.7	6.1
DEFIANT	8.3	6.0	2.7	7.0	6.3	5.0	7.3	6.0	5.7	6.0
BIGHORN	8.0	6.3	3.0	7.3	6.7	5.0	7.0	5.3	5.0	6.0
MB-82	4.7	5.0	2.0	7.0	7.0	3.3	8.0	5.0	6.7	5.4
LSD VALUE	1.8	1.9	1.3	1.8	1.2	1.9	1.0	1.2	1.1	0.5
C.V. (%)	15.0	19.2	24.8	14.4	10.3	24.0	8.3	12.1	11.6	14.9

TABLE 15F.

SPRING DENSITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									MEAN
	KS1	MO1	MT1	NE1	NS1	OK1	PA1	SD1	WA3	
QUATRO	8.7	6.7	3.0	8.3	7.7	5.0	7.3	7.0	6.3	6.7
SR 6000	6.7	5.7	5.7	7.3	8.0	5.3	8.0	6.7	6.7	6.7
MINOTAUR	8.3	5.7	3.0	7.7	7.3	5.3	7.3	5.3	6.3	6.3
PST-4MB	8.0	6.3	3.3	7.7	7.0	5.0	7.3	5.7	5.3	6.2
SR 3200	7.7	5.0	3.0	8.3	7.7	5.7	6.7	6.7	5.0	6.2
LSD VALUE	1.1	1.9	1.2	1.4	1.2	2.2	0.8	1.3	1.1	0.5
C.V. (%)	8.7	20.6	20.3	10.9	10.3	25.5	7.0	13.0	11.5	13.8

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

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

TABLE 16A.

SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	KS1	KY1	MO1	MT1	NC2	NE1	NS1	OK1	QE1	SD1	UT1	WA3	MEAN
LONGFELLOW II	8.3	8.7	7.0	8.3	4.3	6.3	7.7	2.7	3.7	6.3	5.7	6.3	6.3
ABT-CHW-3	8.7	7.7	7.7	6.7	4.7	8.0	8.3	2.3	3.3	6.3	4.7	6.3	6.2
ABT-CHW-2	7.7	8.7	7.3	6.7	4.0	8.7	8.0	2.3	3.3	6.7	4.7	5.7	6.1
JASPER II	8.3	8.3	6.7	7.3	4.3	8.7	7.0	3.0	3.0	5.3	4.3	6.3	6.1
BRITTANY	8.0	8.3	7.0	7.7	4.3	8.0	7.3	2.0	3.0	4.7	5.7	6.3	6.0
BRIDGEPORT	7.7	7.3	7.3	7.7	4.7	7.7	8.0	2.0	3.7	5.3	5.3	5.3	6.0
SR 5100	8.3	7.3	7.3	6.3	5.0	8.7	7.7	1.3	3.7	5.7	4.0	6.7	6.0
INTRIGUE	8.0	8.7	7.0	6.7	4.0	8.3	8.0	1.0	3.3	5.3	5.3	6.0	6.0
SHADOW II	8.3	7.7	7.0	7.3	4.0	7.3	7.7	1.7	3.0	6.0	5.0	6.3	5.9
TREAZURE (E)	8.7	8.0	6.7	7.7	3.7	8.0	8.0	2.7	3.0	4.7	4.3	5.7	5.9
MAGIC	8.0	7.7	7.3	7.3	4.3	8.3	8.0	1.3	3.3	4.7	4.7	5.3	5.9
ACF 092	8.3	7.3	7.0	6.0	5.0	6.7	7.3	2.3	3.7	5.3	4.7	6.3	5.8
CULMBRA	8.3	6.7	6.7	7.7	4.7	6.0	7.7	1.7	3.7	5.3	5.7	6.0	5.8
PICK FRC A-93	8.0	8.0	6.7	7.3	3.7	7.7	7.0	1.7	3.3	6.0	4.3	6.0	5.8
ABT-HF1	6.3	8.3	5.7	6.3	4.3	7.7	8.0	1.0	3.3	6.3	5.3	6.7	5.8
AMBASSADOR	8.0	7.3	7.0	6.7	4.0	6.7	8.0	2.0	3.3	6.3	3.3	6.7	5.8
MB-63	8.7	7.7	7.0	7.3	4.7	7.0	7.3	1.7	3.3	5.0	4.0	5.0	5.7
ABT-CHW-1	8.0	7.0	7.0	7.0	.	6.3	7.7	1.0	3.0	6.7	4.0	5.0	5.7
PATHFINDER	8.0	8.0	7.0	7.0	4.0	8.3	6.0	3.0	3.0	4.7	3.3	6.0	5.7
BANNER III	7.7	7.0	6.7	8.0	4.7	7.3	7.7	1.0	3.0	5.0	4.7	5.7	5.7
BAR CHF 8 FUS2	7.0	6.3	6.7	7.3	5.3	7.0	8.7	1.0	3.0	5.0	5.7	5.3	5.7
PST-EFL	8.0	7.3	6.7	7.7	4.3	6.7	6.7	2.7	3.0	5.0	4.3	6.0	5.7
ABT-CR-3	8.0	8.0	7.0	6.7	4.7	7.7	6.7	3.0	3.0	4.7	3.0	5.7	5.7
JAMESTOWN II	7.7	6.7	6.7	7.0	4.3	8.0	7.7	1.3	3.3	5.3	4.7	5.3	5.7
PICK FRC 4-92	7.0	6.7	6.3	7.7	5.0	5.7	8.0	1.3	3.3	5.7	5.0	6.3	5.7
ABT-CR-2	8.0	7.3	7.7	6.7	4.3	7.3	7.7	2.0	3.0	4.3	3.3	6.0	5.6
SALSA	6.7	8.7	4.7	8.0	5.0	8.3	6.7	2.0	3.0	5.3	3.7	5.7	5.6
BAR SCF 8 FUS3	6.0	7.3	6.3	7.7	3.7	7.7	6.7	1.3	2.7	5.7	4.7	7.3	5.6
BAR CF 8 FUS1	8.7	6.7	7.0	7.0	4.7	7.3	6.0	3.0	3.0	5.0	3.0	5.3	5.6
NORDIC (E)	5.7	8.0	6.7	6.3	4.0	7.7	8.0	1.0	3.0	5.3	4.7	6.3	5.6
ISI FRR 5	8.7	8.0	6.7	7.0	5.0	5.3	6.3	3.0	3.0	4.3	3.3	5.7	5.5
ISI FRR 7	8.0	7.7	6.0	8.0	4.0	6.0	6.3	3.0	3.0	4.3	4.3	5.7	5.5
ACF 083	7.0	6.3	5.3	7.3	4.7	6.0	8.3	2.7	3.3	5.0	4.7	5.7	5.5
SANDPIPER	7.7	6.7	6.0	8.7	4.3	5.3	7.3	1.3	3.0	6.3	4.3	5.0	5.5
SRX 52961	8.0	7.7	6.3	6.3	4.3	6.0	7.3	3.0	3.0	4.7	3.3	6.0	5.5
ISI FL 11	6.7	7.0	6.0	5.3	4.7	8.3	7.3	1.3	3.3	5.0	4.3	6.3	5.5
OXFORD	6.7	8.3	6.0	6.0	4.3	6.7	6.7	1.3	3.0	5.7	4.3	6.7	5.5
ABT-HF-3	6.7	7.3	6.3	6.3	4.0	8.3	7.3	1.0	3.0	5.3	3.3	6.3	5.4
SEABREEZE	5.7	7.0	6.3	7.3	4.3	8.7	7.3	1.0	3.0	4.3	4.7	5.7	5.4
PST-4FR	7.7	8.3	7.0	6.7	4.3	7.7	5.0	1.7	3.0	4.7	3.0	6.0	5.4
QUAIRO	5.3	6.0	6.0	5.7	4.7	8.7	7.7	1.3	3.3	5.3	3.7	7.3	5.4
TIFFANY	7.3	7.0	6.0	6.7	4.7	5.0	8.3	2.0	3.7	4.7	4.0	5.7	5.4
4001	6.7	7.7	5.7	6.3	4.0	4.7	7.3	1.0	3.0	6.3	5.3	6.7	5.4
ABT-HF-2	4.7	8.0	6.0	6.7	4.7	7.3	6.3	1.3	3.3	5.0	5.0	6.3	5.4

TABLE 16A.
(CONT'D)

SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1999 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	KS1	KY1	MO1	MT1	NC2	NEL	NS1	OK1	QE1	SD1	UT1	WA3	MEAN
ISI FL 12	6.0	8.0	5.7	6.0	3.7	7.3	7.3	1.7	3.0	4.7	4.7	6.7	5.4
RESCUE 911	6.3	7.7	7.0	5.0	5.0	6.3	7.3	1.0	3.0	5.7	4.0	6.3	5.4
SHADEMASTER II	8.0	6.7	7.3	7.0	4.7	5.3	6.3	2.3	3.0	4.3	3.7	6.0	5.4
HERON	6.0	7.0	6.0	5.3	3.7	7.7	7.3	1.0	2.7	6.0	5.0	6.7	5.4
PST-47TCR	8.0	6.7	7.3	7.7	3.3	6.7	6.3	2.7	3.0	4.0	3.0	5.7	5.4
DGSC 94	6.7	6.7	7.3	7.3	4.7	7.0	6.0	2.7	3.0	4.7	2.3	5.7	5.3
RELIANT II	5.0	7.3	5.3	5.7	4.0	8.3	7.3	1.0	3.0	5.7	4.7	6.7	5.3
BAR HF 8 FUS	6.3	7.3	6.0	6.3	3.3	6.3	7.3	1.3	3.0	5.0	4.7	6.7	5.3
DISCOVERY	6.3	8.0	6.3	6.7	4.0	6.3	6.7	1.0	3.0	4.7	4.3	6.3	5.3
FLORENTINE	8.3	7.0	6.3	7.0	3.3	6.0	6.0	2.0	3.0	4.7	4.0	6.0	5.3
PICK FF A-97	6.3	6.3	6.0	5.3	4.7	6.7	7.7	1.0	3.3	5.3	5.0	6.0	5.3
AHF 009	6.0	7.3	5.3	6.7	4.0	6.7	7.7	1.3	3.7	4.7	3.7	6.7	5.3
PST-4MB	6.7	7.0	6.3	6.3	3.7	7.0	7.7	1.0	3.0	4.3	4.3	6.0	5.3
ASC 087	7.7	6.3	5.3	7.0	4.3	7.3	6.3	2.7	3.0	4.3	3.0	5.7	5.3
ATTILA E	6.0	6.7	5.0	6.3	3.7	7.7	7.0	1.0	3.0	5.3	4.7	6.3	5.2
SRX 3961	6.0	7.7	5.7	6.3	3.3	6.3	8.0	1.0	3.3	5.7	3.7	5.7	5.2
DEFIANT	6.7	7.3	5.3	7.0	3.3	6.0	8.0	1.0	3.0	5.0	4.0	5.7	5.2
SCALDIS II (AHF 008)	6.0	7.0	5.3	5.7	3.0	6.7	7.3	1.3	3.3	4.7	5.3	6.3	5.2
SHADEMARK	7.7	6.3	6.3	7.3	3.7	6.7	6.7	2.7	3.0	4.0	2.7	5.0	5.2
ABT-HF-4	6.7	7.0	5.3	6.0	4.0	6.7	6.0	1.0	3.0	5.7	3.7	6.7	5.1
ASR 049	6.0	5.7	5.7	6.7	3.3	7.7	6.7	1.0	3.0	6.3	3.7	6.0	5.1
OSPREY	6.0	8.0	5.7	6.3	3.0	7.0	6.3	1.0	3.0	5.0	4.3	5.7	5.1
DAWSON E+	4.3	5.7	6.3	7.3	3.3	8.0	7.3	1.0	3.0	5.3	3.7	5.7	5.1
ASC 082	7.0	5.7	6.0	6.7	4.3	6.7	6.3	3.0	3.0	4.0	3.0	5.0	5.1
BIGHORN	6.7	6.7	5.3	5.0	4.3	7.0	6.7	1.0	3.0	5.0	4.0	5.7	5.0
SR 3200	6.3	5.3	5.0	6.3	4.0	7.7	6.7	1.3	3.0	4.0	5.0	5.0	5.0
PST-4HM	6.7	7.7	6.0	5.7	3.0	3.0	7.3	1.3	3.0	5.7	3.7	6.3	4.9
MB-82	6.3	7.3	5.0	6.0	3.0	7.0	6.3	1.0	3.0	5.0	3.7	5.7	4.9
SCALDIS	6.0	5.7	6.7	6.0	4.0	4.7	7.7	1.0	3.0	5.0	4.0	5.7	4.9
SRX 52LAV	7.7	6.7	6.3	6.3	4.0	5.0	6.0	1.7	3.0	3.3	3.3	5.3	4.9
COMMON CREEPING RED	5.0	5.0	6.0	7.3	5.0	7.0	6.3	1.0	3.0	3.7	3.7	4.7	4.8
MINOTAUR	5.3	5.3	5.3	5.3	3.3	7.7	7.0	1.0	3.0	5.0	3.3	5.7	4.8
SR 6000	2.7	5.3	5.3	8.3	2.7	8.0	6.0	2.7	2.7	3.0	3.3	7.3	4.8
BOREAL	3.3	5.7	5.7	7.7	5.3	6.7	6.0	1.0	3.0	3.7	3.0	5.0	4.7
ASC 172	4.7	5.3	5.7	6.7	4.0	6.3	5.3	2.3	2.3	3.7	2.3	4.3	4.4
LSD VALUE	2.0	1.4	1.4	1.5	1.3	2.8	1.8	0.8	0.6	1.3	1.6	1.0	0.4
C.V. (%)	18.0	11.9	14.2	14.0	19.4	24.8	15.4	29.1	11.1	16.1	24.6	10.0	17.8

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

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

TABLE 16B.

SUMMER DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/												
	KS1	KY1	MO1	MT1	NC2	NE1	NS1	OK1	QE1	SD1	UT1	WA3	MEAN
LONGFELLOW II	8.3	8.7	7.0	8.3	4.3	6.3	7.7	2.7	3.7	6.3	5.7	6.3	6.3
ABT-CHW-3	8.7	7.7	7.7	6.7	4.7	8.0	8.3	2.3	3.3	6.3	4.7	6.3	6.2
ABT-CHW-2	7.7	8.7	7.3	6.7	4.0	8.7	8.0	2.3	3.3	6.7	4.7	5.7	6.1
BRITTANY	8.0	8.3	7.0	7.7	4.3	8.0	7.3	2.0	3.0	4.7	5.7	6.3	6.0
BRIDGEPORT	7.7	7.3	7.3	7.7	4.7	7.7	8.0	2.0	3.7	5.3	5.3	5.3	6.0
SR 5100	8.3	7.3	7.3	6.3	5.0	8.7	7.7	1.3	3.7	5.7	4.0	6.7	6.0
INTRIGUE	8.0	8.7	7.0	6.7	4.0	8.3	8.0	1.0	3.3	5.3	5.3	6.0	6.0
SHADOW II	8.3	7.7	7.0	7.3	4.0	7.3	7.7	1.7	3.0	6.0	5.0	6.3	5.9
TREAZURE (E)	8.7	8.0	6.7	7.7	3.7	8.0	8.0	2.7	3.0	4.7	4.3	5.7	5.9
MAGIC	8.0	7.7	7.3	7.3	4.3	8.3	8.0	1.3	3.3	4.7	4.7	5.3	5.9
ACF 092	8.3	7.3	7.0	6.0	5.0	6.7	7.3	2.3	3.7	5.3	4.7	6.3	5.8
CULOMBRA	8.3	6.7	6.7	7.7	4.7	6.0	7.7	1.7	3.7	5.3	5.7	6.0	5.8
PICK FRC A-93	8.0	8.0	6.7	7.3	3.7	7.7	7.0	1.7	3.3	6.0	4.3	6.0	5.8
AMBASSADOR	8.0	7.3	7.0	6.7	4.0	6.7	8.0	2.0	3.3	6.3	3.3	6.7	5.8
MB-63	8.7	7.7	7.0	7.3	4.7	7.0	7.3	1.7	3.3	5.0	4.0	5.0	5.7
ABT-CHW-1	8.0	7.0	7.0	7.0	.	6.3	7.7	1.0	3.0	6.7	4.0	5.0	5.7
BANNER III	7.7	7.0	6.7	8.0	4.7	7.3	7.7	1.0	3.0	5.0	4.7	5.7	5.7
BAR CHF 8 FUS2	7.0	6.3	6.7	7.3	5.3	7.0	8.7	1.0	3.0	5.0	5.7	5.3	5.7
JAMESTOWN II	7.7	6.7	6.7	7.0	4.3	8.0	7.7	1.3	3.3	5.3	4.7	5.3	5.7
PICK FRC 4-92	7.0	6.7	6.3	7.7	5.0	5.7	8.0	1.3	3.3	5.7	5.0	6.3	5.7
ACF 083	7.0	6.3	5.3	7.3	4.7	6.0	8.3	2.7	3.3	5.0	4.7	5.7	5.5
SANDPIPER	7.7	6.7	6.0	8.7	4.3	5.3	7.3	1.3	3.0	6.3	4.3	5.0	5.5
TIFFANY	7.3	7.0	6.0	6.7	4.7	5.0	8.3	2.0	3.7	4.7	4.0	5.7	5.4
PST-4HM	6.7	7.7	6.0	5.7	3.0	3.0	7.3	1.3	3.0	5.7	3.7	6.3	4.9
LSD VALUE	1.4	1.3	1.2	1.5	1.3	3.0	1.2	1.0	0.8	1.5	2.1	1.0	0.4
C.V. (%)	10.7	10.8	11.4	12.9	18.4	26.5	9.6	35.9	14.3	16.5	27.3	10.5	16.4

TABLE 16C.

SUMMER DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/												
	KS1	KY1	MO1	MT1	NC2	NE1	NS1	OK1	QE1	SD1	UT1	WA3	MEAN
BAR SCF 8 FUS3	6.0	7.3	6.3	7.7	3.7	7.7	6.7	1.3	2.7	5.7	4.7	7.3	5.6
SEABREEZE	5.7	7.0	6.3	7.3	4.3	8.7	7.3	1.0	3.0	4.3	4.7	5.7	5.4
ASR 049	6.0	5.7	5.7	6.7	3.3	7.7	6.7	1.0	3.0	6.3	3.7	6.0	5.1
DAWSON E+	4.3	5.7	6.3	7.3	3.3	8.0	7.3	1.0	3.0	5.3	3.7	5.7	5.1
LSD VALUE	2.2	1.6	1.9	1.9	0.9	2.1	1.7	0.5	0.5	0.9	1.5	1.1	0.4
C.V. (%)	25.2	15.6	18.7	15.9	15.7	16.5	14.9	26.6	9.9	10.7	21.9	11.5	17.7

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

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

TABLE 16D.

SUMMER DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/												
	KS1	KY1	MO1	MT1	NC2	NEL	NS1	OK1	QE1	SD1	UT1	WA3	MEAN
JASPER II	8.3	8.3	6.7	7.3	4.3	8.7	7.0	3.0	3.0	5.3	4.3	6.3	6.1
PATHFINDER	8.0	8.0	7.0	7.0	4.0	8.3	6.0	3.0	3.0	4.7	3.3	6.0	5.7
PST-EFL	8.0	7.3	6.7	7.7	4.3	6.7	6.7	2.7	3.0	5.0	4.3	6.0	5.7
ABT-CR-3	8.0	8.0	7.0	6.7	4.7	7.7	6.7	3.0	3.0	4.7	3.0	5.7	5.7
ABT-CR-2	8.0	7.3	7.7	6.7	4.3	7.3	7.7	2.0	3.0	4.3	3.3	6.0	5.6
SALSA	6.7	8.7	4.7	8.0	5.0	8.3	6.7	2.0	3.0	5.3	3.7	5.7	5.6
BAR CF 8 FUS1	8.7	6.7	7.0	7.0	4.7	7.3	6.0	3.0	3.0	5.0	3.0	5.3	5.6
ISI FRR 5	8.7	8.0	6.7	7.0	5.0	5.3	6.3	3.0	3.0	4.3	3.3	5.7	5.5
ISI FRR 7	8.0	7.7	6.0	8.0	4.0	6.0	6.3	3.0	3.0	4.3	4.3	5.7	5.5
SFX 52961	8.0	7.7	6.3	6.3	4.3	6.0	7.3	3.0	3.0	4.7	3.3	6.0	5.5
PST-4FR	7.7	8.3	7.0	6.7	4.3	7.7	5.0	1.7	3.0	4.7	3.0	6.0	5.4
SHADEMASTER II	8.0	6.7	7.3	7.0	4.7	5.3	6.3	2.3	3.0	4.3	3.7	6.0	5.4
PST-47TCR	8.0	6.7	7.3	7.7	3.3	6.7	6.3	2.7	3.0	4.0	3.0	5.7	5.4
DGSC 94	6.7	6.7	7.3	7.3	4.7	7.0	6.0	2.7	3.0	4.7	2.3	5.7	5.3
FLORENTINE	8.3	7.0	6.3	7.0	3.3	6.0	6.0	2.0	3.0	4.7	4.0	6.0	5.3
ASC 087	7.7	6.3	5.3	7.0	4.3	7.3	6.3	2.7	3.0	4.3	3.0	5.7	5.3
SHADEMARK	7.7	6.3	6.3	7.3	3.7	6.7	6.7	2.7	3.0	4.0	2.7	5.0	5.2
ASC 082	7.0	5.7	6.0	6.7	4.3	6.7	6.3	3.0	3.0	4.0	3.0	5.0	5.1
SFX 52LAV	7.7	6.7	6.3	6.3	4.0	5.0	6.0	1.7	3.0	3.3	3.3	5.3	4.9
COMMON CREEPING RED	5.0	5.0	6.0	7.3	5.0	7.0	6.3	1.0	3.0	3.7	3.7	4.7	4.8
BOREAL	3.3	5.7	5.7	7.7	5.3	6.7	6.0	1.0	3.0	3.7	3.0	5.0	4.7
ASC 172	4.7	5.3	5.7	6.7	4.0	6.3	5.3	2.3	2.3	3.7	2.3	4.3	4.4
LSD VALUE	1.8	1.1	1.4	1.5	1.3	3.2	2.4	0.8	0.2	1.4	1.3	0.8	0.5
C.V. (%)	15.0	9.9	13.6	13.3	19.0	28.9	23.5	21.5	4.1	19.2	23.8	9.4	18.7

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

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

TABLE 16E.

SUMMER DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/												
	KS1	KY1	MO1	MT1	NC2	NE1	NS1	OK1	QE1	SD1	UT1	WA3	MEAN
ABT-HF1	6.3	8.3	5.7	6.3	4.3	7.7	8.0	1.0	3.3	6.3	5.3	6.7	5.8
NORDIC (E)	5.7	8.0	6.7	6.3	4.0	7.7	8.0	1.0	3.0	5.3	4.7	6.3	5.6
ISI FL 11	6.7	7.0	6.0	5.3	4.7	8.3	7.3	1.3	3.3	5.0	4.3	6.3	5.5
OXFORD	6.7	8.3	6.0	6.0	4.3	6.7	6.7	1.3	3.0	5.7	4.3	6.7	5.5
ABT-HF-3	6.7	7.3	6.3	6.3	4.0	8.3	7.3	1.0	3.0	5.3	3.3	6.3	5.4
4001	6.7	7.7	5.7	6.3	4.0	4.7	7.3	1.0	3.0	6.3	5.3	6.7	5.4
ABT-HF-2	4.7	8.0	6.0	6.7	4.7	7.3	6.3	1.3	3.3	5.0	5.0	6.3	5.4
ISI FL 12	6.0	8.0	5.7	6.0	3.7	7.3	7.3	1.7	3.0	4.7	4.7	6.7	5.4
RESCUE 911	6.3	7.7	7.0	5.0	5.0	6.3	7.3	1.0	3.0	5.7	4.0	6.3	5.4
HERON	6.0	7.0	6.0	5.3	3.7	7.7	7.3	1.0	2.7	6.0	5.0	6.7	5.4
RELIANT II	5.0	7.3	5.3	5.7	4.0	8.3	7.3	1.0	3.0	5.7	4.7	6.7	5.3
BAR HF 8 FUS	6.3	7.3	6.0	6.3	3.3	6.3	7.3	1.3	3.0	5.0	4.7	6.7	5.3
DISCOVERY	6.3	8.0	6.3	6.7	4.0	6.3	6.7	1.0	3.0	4.7	4.3	6.3	5.3
PICK FF A-97	6.3	6.3	6.0	5.3	4.7	6.7	7.7	1.0	3.3	5.3	5.0	6.0	5.3
AHF 009	6.0	7.3	5.3	6.7	4.0	6.7	7.7	1.3	3.7	4.7	3.7	6.7	5.3
ATTILA E	6.0	6.7	5.0	6.3	3.7	7.7	7.0	1.0	3.0	5.3	4.7	6.3	5.2
SRX 3961	6.0	7.7	5.7	6.3	3.3	6.3	8.0	1.0	3.3	5.7	3.7	5.7	5.2
DEFIANT	6.7	7.3	5.3	7.0	3.3	6.0	8.0	1.0	3.0	5.0	4.0	5.7	5.2
SCALDIS II (AHF 008)	6.0	7.0	5.3	5.7	3.0	6.7	7.3	1.3	3.3	4.7	5.3	6.3	5.2
ABT-HF-4	6.7	7.0	5.3	6.0	4.0	6.7	6.0	1.0	3.0	5.7	3.7	6.7	5.1
OSPREY	6.0	8.0	5.7	6.3	3.0	7.0	6.3	1.0	3.0	5.0	4.3	5.7	5.1
BIGHORN	6.7	6.7	5.3	5.0	4.3	7.0	6.7	1.0	3.0	5.0	4.0	5.7	5.0
MB-82	6.3	7.3	5.0	6.0	3.0	7.0	6.3	1.0	3.0	5.0	3.7	5.7	4.9
SCALDIS	6.0	5.7	6.7	6.0	4.0	4.7	7.7	1.0	3.0	5.0	4.0	5.7	4.9
LSD VALUE	2.4	1.5	1.4	1.4	1.2	2.6	1.6	0.5	0.5	1.0	1.6	1.0	0.4
C.V. (%)	24.5	12.4	15.3	14.5	19.5	23.3	14.2	28.1	10.8	12.2	22.1	9.6	17.9

TABLE 16F.

SUMMER DENSITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/												
	KS1	KY1	MO1	MT1	NC2	NE1	NS1	OK1	QE1	SD1	UT1	WA3	MEAN
QUATRO	5.3	6.0	6.0	5.7	4.7	8.7	7.7	1.3	3.3	5.3	3.7	7.3	5.4
PST-4MB	6.7	7.0	6.3	6.3	3.7	7.0	7.7	1.0	3.0	4.3	4.3	6.0	5.3
SR 3200	6.3	5.3	5.0	6.3	4.0	7.7	6.7	1.3	3.0	4.0	5.0	5.0	5.0
MINOTAUR	5.3	5.3	5.3	5.3	3.3	7.7	7.0	1.0	3.0	5.0	3.3	5.7	4.8
SR 6000	2.7	5.3	5.3	8.3	2.7	8.0	6.0	2.7	2.7	3.0	3.3	7.3	4.8
LSD VALUE	2.9	1.9	1.9	1.9	1.7	1.0	1.4	0.7	0.6	1.7	1.3	1.0	0.5
C.V. (%)	34.7	20.4	21.1	18.0	28.2	8.1	12.8	30.5	12.2	24.6	20.8	10.1	20.0

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

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

TABLE 17A.

FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	KS1	MO1	MT1	NE1	NS1	OK1	RI1	WA3	MEAN
ABT-CHW-3	8.7	9.0	7.7	8.3	8.0	7.0	7.3	6.7	7.8
LONGFELLOW II	8.0	8.3	8.0	7.0	8.7	7.7	8.7	6.3	7.8
JASPER II	9.0	8.0	7.3	9.0	8.0	7.0	8.7	5.7	7.8
SR 5100	8.3	8.3	6.7	9.0	8.3	7.0	8.3	6.3	7.8
ABT-CHW-2	8.7	7.7	6.7	9.0	8.3	7.3	7.7	7.0	7.8
BRIDGEPORT	7.7	9.0	8.0	8.0	8.7	7.0	7.7	6.0	7.8
MB-63	8.3	8.3	7.7	7.7	8.3	7.0	8.0	6.0	7.7
PICK FRC A-93	8.3	8.0	7.7	8.0	7.7	7.0	8.3	6.3	7.7
TREAZURE (E)	8.7	7.7	7.3	7.7	8.7	7.0	8.0	6.0	7.6
ABT-CR-3	8.0	8.3	7.0	7.7	8.0	7.0	7.3	7.0	7.5
PATHFINDER	8.3	8.3	7.0	9.0	7.7	7.0	7.0	6.0	7.5
MAGIC	8.0	8.7	7.3	8.7	7.7	7.0	6.7	6.3	7.5
ABT-CR-2	8.7	8.3	7.7	7.3	7.0	7.5	7.7	6.0	7.5
PST-EFL	8.0	8.0	7.7	7.7	8.3	7.0	7.0	6.3	7.5
INTRIGUE	8.0	7.7	7.0	8.7	8.0	7.0	6.7	7.0	7.5
BRITTANY	8.0	7.7	8.0	7.7	7.7	7.0	7.3	6.3	7.5
CULOMBRA	8.3	8.7	8.3	6.0	8.3	7.0	7.3	5.7	7.5
PST-4FR	8.3	8.3	7.3	7.7	7.0	7.0	7.3	6.3	7.4
AMBASSADOR	8.7	8.3	7.3	6.7	8.0	7.0	6.3	7.0	7.4
SHADEMASTER II	9.0	8.7	7.7	6.3	7.7	7.0	7.3	5.7	7.4
BANNER III	7.3	7.7	7.7	7.3	7.7	.	7.7	6.3	7.4
SHADOW II	7.7	8.0	7.0	6.7	8.3	7.0	7.7	6.7	7.4
ISI FRR 7	8.0	8.0	8.3	5.7	7.3	7.3	8.0	6.0	7.3
BAR CF 8 FUS1	8.3	7.3	7.0	7.7	8.0	7.0	7.0	6.0	7.3
BAR CHF 8 FUS2	7.7	7.7	7.3	7.7	8.3	7.0	6.7	6.0	7.3
ABT-CHW-1	8.0	8.3	6.7	6.0	8.0	7.0	7.7	6.7	7.3
PICK FRC 4-92	6.7	8.3	8.0	5.7	8.7	.	7.0	6.7	7.3
ISI FRR 5	8.7	7.7	7.3	5.7	7.3	7.0	8.3	6.0	7.3
JAMESTOWN II	7.3	8.3	7.3	8.0	8.3	7.0	6.0	5.7	7.3
SRX 52961	7.3	7.3	7.0	6.3	8.7	7.0	8.3	6.0	7.3
FLORENTINE	8.7	7.3	8.0	6.0	7.3	7.0	7.0	6.3	7.2
SANDPIPER	7.7	7.7	8.7	5.7	7.7	7.0	7.0	6.3	7.2
TIFFANY	7.7	7.7	7.7	5.7	8.0	7.0	7.3	6.3	7.2
ACF 092	8.3	8.0	6.7	6.7	7.7	7.0	7.0	6.0	7.2
QUATRO	5.7	6.3	6.3	9.0	8.3	7.0	7.7	7.0	7.2
BAR HF 8 FUS	7.7	7.0	7.0	6.7	7.0	7.0	8.3	6.3	7.1
ASC 087	7.7	6.3	8.0	7.7	7.7	7.0	6.3	6.0	7.1
OXFORD	7.0	7.0	7.3	6.7	8.0	7.0	7.3	6.3	7.1
PST-47TCR	8.3	7.7	7.7	7.3	6.7	7.0	6.7	5.3	7.1
ACF 083	7.3	6.3	7.0	6.0	8.7	7.0	7.7	6.7	7.1
NORDIC (E)	6.3	7.3	7.3	7.7	7.3	.	7.7	5.7	7.0
BAR SCF 8 FUS3	6.3	6.3	7.7	8.7	7.3	7.0	6.3	6.7	7.0
ABT-HF1	6.0	6.3	6.7	8.0	8.0	7.0	8.7	5.7	7.0
ISI FL 11	7.0	6.3	6.0	8.7	8.0	7.0	7.7	5.3	7.0

TABLE 17A.
(CONT'D)

FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY								
	KS1	MO1	MT1	NE1	NS1	OK1	RI1	WA3	MEAN
SALSA	7.0	6.0	8.0	8.7	7.0	7.0	7.0	5.3	7.0
SHADEMARK	8.0	7.0	8.0	7.3	7.0	7.0	6.0	5.7	7.0
SRX 3961	6.3	6.0	6.7	6.7	8.0	7.0	9.0	6.0	7.0
AHF 009	7.0	6.7	7.3	7.3	8.0	.	6.7	5.7	7.0
DGSC 94	7.3	8.0	7.3	7.7	8.0	7.0	4.3	5.7	6.9
SRX 52LAV	8.7	6.7	7.0	5.7	7.0	7.0	7.7	5.7	6.9
PICK FF A-97	7.0	6.7	6.7	6.7	7.7	.	7.7	6.0	6.9
ASC 082	8.0	7.3	6.7	7.3	6.7	7.0	6.0	6.0	6.9
SEABREEZE	5.7	7.7	7.3	8.0	7.3	7.0	6.0	6.0	6.9
DISCOVERY	6.7	7.0	7.0	7.0	7.7	.	6.3	6.3	6.9
ABT-HF-2	4.7	6.3	6.7	8.3	7.3	7.0	8.7	5.7	6.8
ABT-HF-3	7.3	6.0	6.7	8.3	7.7	7.0	5.7	6.0	6.8
ISI FL 12	7.0	6.3	6.7	7.7	7.3	7.0	7.0	5.7	6.8
MB-82	6.3	6.0	6.7	7.3	7.7	7.0	8.0	5.7	6.8
PST-4MB	6.3	6.7	8.0	7.3	7.3	.	6.0	6.0	6.8
RELIANT II	6.0	6.0	6.3	8.3	7.3	7.0	7.0	6.3	6.8
4001	7.3	6.7	6.7	4.3	7.7	.	8.7	6.0	6.8
OSPREY	6.3	6.3	7.0	6.3	8.3	.	7.3	5.7	6.8
RESCUE 911	7.0	7.7	5.7	6.3	7.7	.	7.0	5.7	6.7
ASR 049	6.0	6.7	7.3	7.3	7.7	7.0	5.7	6.0	6.7
DEFIANT	6.7	5.7	6.7	7.0	8.0	7.0	6.7	6.0	6.7
DAWSON E+	5.7	7.0	8.0	7.7	8.7	.	4.3	5.3	6.7
SCALDIS	6.7	7.3	6.3	5.0	7.3	7.0	8.3	5.0	6.6
ATTILA E	6.7	5.7	7.0	7.7	8.0	7.0	5.3	5.3	6.6
SR 3200	7.7	5.7	7.0	8.3	7.0	7.0	5.0	5.0	6.6
ABT-HF-4	7.3	6.3	6.3	7.3	6.7	7.0	5.3	5.7	6.5
HERON	6.0	6.3	5.7	7.3	7.3	7.0	6.3	6.0	6.5
BIGHORN	7.3	6.0	7.0	7.0	7.3	7.0	5.7	4.7	6.5
SCALDIS II (AHF 008)	6.3	6.7	7.7	7.0	8.0	.	4.3	5.3	6.5
PST-4HM	7.0	6.7	6.7	3.0	7.3	7.0	7.3	6.0	6.4
MINOTAUR	6.3	6.7	6.7	7.7	7.7	.	4.0	5.3	6.3
BOREAL	4.7	6.7	7.7	7.0	8.0	7.0	3.7	5.7	6.3
SR 6000	4.0	6.0	8.0	7.7	5.0	7.0	3.3	6.7	6.0
ASC 172	5.7	6.3	6.7	6.7	5.7	7.0	5.0	4.7	6.0
COMMON CREEPING RED	5.3	6.0	7.7	7.7	7.0	.	3.0	5.0	6.0
LSD VALUE	1.9	1.5	1.4	3.0	1.6	0.4	1.9	0.8	0.7
C.V. (%)	16.5	12.9	12.1	25.8	13.0	2.7	17.3	8.6	15.8

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

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

TABLE 17B. FALL DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								MEAN
	KS1	MO1	MT1	NE1	NS1	OK1	RI1	WA3	
ABT-CHW-3	8.7	9.0	7.7	8.3	8.0	7.0	7.3	6.7	7.8
LONGFELLOW II	8.0	8.3	8.0	7.0	8.7	7.7	8.7	6.3	7.8
SR 5100	8.3	8.3	6.7	9.0	8.3	7.0	8.3	6.3	7.8
ABT-CHW-2	8.7	7.7	6.7	9.0	8.3	7.3	7.7	7.0	7.8
BRIDGEPORT	7.7	9.0	8.0	8.0	8.7	7.0	7.7	6.0	7.8
MB-63	8.3	8.3	7.7	7.7	8.3	7.0	8.0	6.0	7.7
PICK FRC A-93	8.3	8.0	7.7	8.0	7.7	7.0	8.3	6.3	7.7
TREAZURE (E)	8.7	7.7	7.3	7.7	8.7	7.0	8.0	6.0	7.6
MAGIC	8.0	8.7	7.3	8.7	7.7	7.0	6.7	6.3	7.5
INTRIGUE	8.0	7.7	7.0	8.7	8.0	7.0	6.7	7.0	7.5
BRITTANY	8.0	7.7	8.0	7.7	7.7	7.0	7.3	6.3	7.5
CULOMBRA	8.3	8.7	8.3	6.0	8.3	7.0	7.3	5.7	7.5
AMBASSADOR	8.7	8.3	7.3	6.7	8.0	7.0	6.3	7.0	7.4
BANNER III	7.3	7.7	7.7	7.3	7.7	.	7.7	6.3	7.4
SHADOW II	7.7	8.0	7.0	6.7	8.3	7.0	7.7	6.7	7.4
BAR CHF 8 FUS2	7.7	7.7	7.3	7.7	8.3	7.0	6.7	6.0	7.3
ABT-CHW-1	8.0	8.3	6.7	6.0	8.0	7.0	7.7	6.7	7.3
PICK FRC 4-92	6.7	8.3	8.0	5.7	8.7	.	7.0	6.7	7.3
JAMESTOWN II	7.3	8.3	7.3	8.0	8.3	7.0	6.0	5.7	7.3
SANDPIPER	7.7	7.7	8.7	5.7	7.7	7.0	7.0	6.3	7.2
TIFFANY	7.7	7.7	7.7	5.7	8.0	7.0	7.3	6.3	7.2
ACF 092	8.3	8.0	6.7	6.7	7.7	7.0	7.0	6.0	7.2
ACF 083	7.3	6.3	7.0	6.0	8.7	7.0	7.7	6.7	7.1
PST-4HM	7.0	6.7	6.7	3.0	7.3	7.0	7.3	6.0	6.4
LSD VALUE	1.2	1.5	1.5	3.3	1.3	0.4	1.6	0.8	0.6
C.V. (%)	9.6	11.5	12.2	28.9	9.8	2.9	13.8	7.9	14.2

TABLE 17C. FALL DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								MEAN
	KS1	MO1	MT1	NE1	NS1	OK1	RI1	WA3	
BAR SCF 8 FUS3	6.3	6.3	7.7	8.7	7.3	7	6.3	6.7	7.0
SEABREEZE	5.7	7.7	7.3	8.0	7.3	7	6.0	6.0	6.9
ASR 049	6.0	6.7	7.3	7.3	7.7	7	5.7	6.0	6.7
DAWSON E+	5.7	7.0	8.0	7.7	8.7	.	4.3	5.3	6.7
LSD VALUE	2.1	1.4	1.4	1.6	2.3	0	2.3	0.7	0.6
C.V. (%)	22.4	12.5	11.4	12.6	18.6	0	25.3	6.8	16.0

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

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

TABLE 17D. FALL DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
	KS1	MO1	MT1	NE1	NS1	OK1	RI1	WA3	MEAN
JASPER II	9.0	8.0	7.3	9.0	8.0	7.0	8.7	5.7	7.8
ABT-CR-3	8.0	8.3	7.0	7.7	8.0	7.0	7.3	7.0	7.5
PATHFINDER	8.3	8.3	7.0	9.0	7.7	7.0	7.0	6.0	7.5
ABT-CR-2	8.7	8.3	7.7	7.3	7.0	7.5	7.7	6.0	7.5
PST-EFL	8.0	8.0	7.7	7.7	8.3	7.0	7.0	6.3	7.5
PST-4FR	8.3	8.3	7.3	7.7	7.0	7.0	7.3	6.3	7.4
SHADEMASTER II	9.0	8.7	7.7	6.3	7.7	7.0	7.3	5.7	7.4
ISI FRR 7	8.0	8.0	8.3	5.7	7.3	7.3	8.0	6.0	7.3
BAR CF 8 FUS1	8.3	7.3	7.0	7.7	8.0	7.0	7.0	6.0	7.3
ISI FRR 5	8.7	7.7	7.3	5.7	7.3	7.0	8.3	6.0	7.3
SRX 52961	7.3	7.3	7.0	6.3	8.7	7.0	8.3	6.0	7.3
FLORENTINE	8.7	7.3	8.0	6.0	7.3	7.0	7.0	6.3	7.2
ASC 087	7.7	6.3	8.0	7.7	7.7	7.0	6.3	6.0	7.1
PST-47ICR	8.3	7.7	7.7	7.3	6.7	7.0	6.7	5.3	7.1
SALSA	7.0	6.0	8.0	8.7	7.0	7.0	7.0	5.3	7.0
SHADEMARK	8.0	7.0	8.0	7.3	7.0	7.0	6.0	5.7	7.0
DGSC 94	7.3	8.0	7.3	7.7	8.0	7.0	4.3	5.7	6.9
SRX 521AV	8.7	6.7	7.0	5.7	7.0	7.0	7.7	5.7	6.9
ASC 082	8.0	7.3	6.7	7.3	6.7	7.0	6.0	6.0	6.9
BOREAL	4.7	6.7	7.7	7.0	8.0	7.0	3.7	5.7	6.3
ASC 172	5.7	6.3	6.7	6.7	5.7	7.0	5.0	4.7	6.0
COMMON CREEPING RED	5.3	6.0	7.7	7.7	7.0	.	3.0	5.0	6.0
LSD VALUE	1.7	1.3	1.3	3.7	2.2	0.4	1.8	0.9	0.7
C.V. (%)	13.6	11.1	10.8	31.5	18.4	2.8	16.6	9.7	16.9

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

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

TABLE 17E. FALL DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
	KS1	MO1	MT1	NE1	NS1	OK1	RI1	WA3	MEAN
BAR HF 8 FUS	7.7	7.0	7.0	6.7	7.0	7	8.3	6.3	7.1
OXFORD	7.0	7.0	7.3	6.7	8.0	7	7.3	6.3	7.1
NORDIC (E)	6.3	7.3	7.3	7.7	7.3	.	7.7	5.7	7.0
ABT-HF1	6.0	6.3	6.7	8.0	8.0	7	8.7	5.7	7.0
ISI FL 11	7.0	6.3	6.0	8.7	8.0	7	7.7	5.3	7.0
SRX 3961	6.3	6.0	6.7	6.7	8.0	7	9.0	6.0	7.0
AHF 009	7.0	6.7	7.3	7.3	8.0	.	6.7	5.7	7.0
PICK FF A-97	7.0	6.7	6.7	6.7	7.7	.	7.7	6.0	6.9
DISCOVERY	6.7	7.0	7.0	7.0	7.7	.	6.3	6.3	6.9
ABT-HF-2	4.7	6.3	6.7	8.3	7.3	7	8.7	5.7	6.8
ABT-HF-3	7.3	6.0	6.7	8.3	7.7	7	5.7	6.0	6.8
ISI FL 12	7.0	6.3	6.7	7.7	7.3	7	7.0	5.7	6.8
MB-82	6.3	6.0	6.7	7.3	7.7	7	8.0	5.7	6.8
RELIANT II	6.0	6.0	6.3	8.3	7.3	7	7.0	6.3	6.8
4001	7.3	6.7	6.7	4.3	7.7	.	8.7	6.0	6.8
OSPREY	6.3	6.3	7.0	6.3	8.3	.	7.3	5.7	6.8
RESCUE 911	7.0	7.7	5.7	6.3	7.7	.	7.0	5.7	6.7
DEFIANT	6.7	5.7	6.7	7.0	8.0	7	6.7	6.0	6.7
SCALDIS	6.7	7.3	6.3	5.0	7.3	7	8.3	5.0	6.6
ATTLA E	6.7	5.7	7.0	7.7	8.0	7	5.3	5.3	6.6
ABT-HF-4	7.3	6.3	6.3	7.3	6.7	7	5.3	5.7	6.5
HERON	6.0	6.3	5.7	7.3	7.3	7	6.3	6.0	6.5
BIGHORN	7.3	6.0	7.0	7.0	7.3	7	5.7	4.7	6.5
SCALDIS II (AHF 008)	6.3	6.7	7.7	7.0	8.0	.	4.3	5.3	6.5
LSD VALUE	2.3	1.5	1.3	2.4	1.1	0	2.2	0.8	0.6
C.V. (%)	21.7	14.5	12.2	21.1	8.9	0	19.3	9.2	16.0

TABLE 17F. FALL DENSITY RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
	KS1	MO1	MT1	NE1	NS1	OK1	RI1	WA3	MEAN
QUATRO	5.7	6.3	6.3	9.0	8.3	7	7.7	7.0	7.2
PST-4MB	6.3	6.7	8.0	7.3	7.3	.	6.0	6.0	6.8
SR 3200	7.7	5.7	7.0	8.3	7.0	7	5.0	5.0	6.6
MINOTAUR	6.3	6.7	6.7	7.7	7.7	.	4.0	5.3	6.3
SR 6000	4.0	6.0	8.0	7.7	5.0	7	3.3	6.7	6.0
LSD VALUE	3.1	2.2	1.9	1.1	1.4	.	1.9	0.6	0.7
C.V. (%)	31.9	21.8	16.0	8.5	12.7	.	22.2	6.1	17.8

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

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

TABLE 18A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	ME1	ME2	MO1	NC2	NS1	OK1	WI1	WI2	MEAN
DGSC 94	96.3	88.3	66.7	76.7	78.3	80.0	92.0	90.7	83.6
CULOMBRA	93.3	88.3	70.0	66.7	80.0	80.0	95.0	91.7	83.1
BRIDGEPORT	93.3	90.0	68.3	63.3	75.0	82.7	91.7	95.3	82.5
JAMESTOWN II	95.0	91.7	71.7	56.7	80.0	75.0	93.0	94.3	82.2
ABT-CHW-3	91.3	91.7	73.3	66.7	80.0	61.7	96.3	94.7	82.0
SHADEMASTER II	97.7	85.0	61.7	70.0	70.0	84.0	93.0	94.0	81.9
PICK FRC 4-92	91.7	88.3	68.3	66.7	78.3	74.7	92.7	92.0	81.6
ABT-CR-3	93.3	88.3	70.0	66.7	80.0	71.7	91.0	91.0	81.5
BAR CHF 8 FUS2	86.7	86.7	70.0	70.0	80.0	75.0	90.3	93.0	81.5
SRX 52961	88.3	88.3	71.7	66.7	80.0	72.7	91.3	92.0	81.4
ACF 092	90.0	88.3	71.7	63.3	71.7	81.7	90.0	92.7	81.2
MAGIC	83.3	85.0	73.3	70.0	73.3	77.7	93.0	93.0	81.1
ABT-CHW-1	88.3	83.3	68.3	.	73.3	65.0	93.7	95.3	81.0
BOREAL	93.3	88.3	43.3	80.0	76.7	84.3	88.7	93.7	81.0
SR 5100	91.7	88.3	75.0	63.3	76.7	61.7	93.7	95.7	80.8
SANDPIPER	93.3	90.0	56.7	70.0	80.0	67.3	94.7	93.7	80.7
MB-63	93.3	91.7	71.7	63.3	68.3	75.0	89.7	90.7	80.5
COMMON CREEPING RED	93.3	90.0	36.7	76.7	85.0	76.7	91.7	92.3	80.3
LONGFELLOW II	86.7	86.7	73.3	63.3	70.0	71.7	93.7	96.7	80.3
PST-EFL	91.7	78.3	71.7	60.0	73.3	81.7	91.7	92.7	80.1
ISI FRR 5	91.7	85.0	71.7	60.0	70.0	76.7	94.0	90.3	79.9
BRITTANY	91.3	88.3	68.3	56.7	67.3	77.7	93.7	94.0	79.7
ACF 083	81.7	90.0	56.7	63.3	75.0	83.3	93.7	92.7	79.5
TREAZURE (E)	93.3	88.3	70.0	53.3	76.7	71.7	89.7	93.0	79.5
PATHFINDER	91.7	85.0	70.0	50.0	75.0	78.3	92.0	93.7	79.5
SHADEMARK	93.3	78.3	66.7	60.0	71.7	83.7	90.7	88.0	79.0
SEABREEZE	93.3	83.3	63.3	63.3	70.0	73.3	93.7	92.0	79.0
TIFFANY	90.0	85.0	58.3	56.7	75.0	76.7	93.7	96.7	79.0
JASPER II	90.0	78.3	70.0	56.7	75.0	76.7	91.7	93.3	79.0
ASC 087	91.7	86.7	56.7	60.0	76.7	83.3	85.0	90.7	78.8
PICK FRC A-93	85.0	85.0	66.7	63.3	70.0	78.3	93.0	89.3	78.8
FLORENTINE	90.0	81.7	66.7	63.3	68.3	76.7	92.0	90.0	78.6
ABT-CR-2	85.0	81.7	75.0	60.0	71.7	71.7	92.0	91.7	78.6
INTRIGUE	93.3	86.7	65.0	43.3	78.3	75.7	92.0	94.0	78.5
SALSA	96.3	88.3	26.7	70.0	73.3	83.3	95.0	94.3	78.4
PST-4FR	81.7	83.3	73.3	60.0	70.0	80.0	89.3	88.7	78.3
SRX 52LAV	90.0	85.0	65.0	63.3	70.0	71.0	91.0	89.7	78.1
AMBASSADOR	88.3	85.0	68.3	53.3	73.3	66.7	94.0	94.0	77.9
ABT-CHW-2	91.3	75.0	71.7	53.3	78.3	66.7	92.3	94.0	77.8
BAR CF 8 FUS1	85.0	90.0	63.3	63.3	76.7	80.0	72.3	90.0	77.6
ASC 082	86.7	80.0	65.0	63.3	70.0	80.0	88.0	87.7	77.6
ISI FRR 7	88.3	71.7	65.0	63.3	75.0	75.0	89.7	92.0	77.5
BAR HF 8 FUS	88.3	88.3	63.3	50.0	71.7	68.3	93.0	92.0	76.9
4001	91.3	93.3	45.0	56.7	78.3	68.3	90.7	90.0	76.7
AHF 009	80.0	85.0	51.7	60.0	76.7	77.7	91.0	89.0	76.4

TABLE 18A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS
(CONT'D) 1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS									
NAME	ME1	ME2	MO1	NC2	NS1	OK1	WI1	WI2	MEAN
ABT-HF1	91.7	93.3	45.0	66.7	78.3	56.7	93.0	86.0	76.3
BANNER III	78.3	78.3	66.7	60.0	75.0	66.7	91.0	94.3	76.3
DAWSON E+	90.0	88.3	48.3	46.7	80.0	80.0	86.0	91.0	76.3
ABT-HF-2	81.7	85.0	63.3	60.0	76.7	66.7	87.0	88.3	76.1
OXFORD	85.0	85.0	60.0	50.0	80.0	75.0	86.0	87.7	76.1
PICK FF A-97	90.0	86.7	58.3	60.0	71.7	66.7	86.0	88.7	76.0
ATTILA E	88.3	86.7	40.0	46.7	85.0	80.0	91.0	89.7	75.9
ISI FL 11	76.7	85.0	55.0	63.3	71.7	74.3	91.0	90.0	75.9
PST-47TCR	86.7	76.7	66.7	53.3	66.7	74.3	93.0	89.7	75.9
ISI FL 12	85.0	81.7	58.3	53.3	83.3	58.3	93.7	91.3	75.6
MINOTAUR	95.0	81.7	53.3	43.3	75.0	76.0	90.0	90.0	75.5
SRX 3961	93.0	91.7	46.7	50.0	75.0	63.3	91.3	91.7	75.3
DISCOVERY	90.0	88.3	50.0	53.3	78.3	60.0	91.7	90.3	75.3
SCALDIS	86.7	86.7	50.0	46.7	81.7	71.7	87.3	90.3	75.1
SCALDIS II (AHF 008)	90.0	83.3	53.3	43.3	75.0	75.0	88.0	93.0	75.1
ASR 049	94.3	81.7	30.0	56.7	75.0	78.3	91.3	91.3	74.8
QUATRO	84.7	80.0	53.3	56.7	83.3	61.7	90.0	87.7	74.7
HERON	83.3	86.7	50.0	53.3	80.0	63.3	90.0	89.3	74.5
RESCUE 911	85.0	81.7	63.3	56.7	73.3	56.7	93.7	85.3	74.5
NORDIC (E)	90.0	73.3	68.3	50.0	76.7	53.3	91.3	91.0	74.3
SR 3200	88.3	91.7	30.0	56.7	78.3	67.7	92.0	88.7	74.2
RELIANT II	83.3	81.7	43.3	60.0	73.3	61.7	93.0	90.3	73.3
ABT-HF-3	88.3	86.7	53.3	46.7	80.0	58.3	85.0	88.3	73.3
BIGHORN	88.3	90.0	43.3	60.0	73.3	61.7	85.0	85.0	73.3
SHADOW II	81.7	76.7	48.3	53.3	73.3	66.7	91.0	94.3	73.2
SR 6000	76.7	86.7	45.0	36.7	81.7	71.7	93.7	93.3	73.2
PST-4MB	90.0	83.3	53.3	43.3	71.7	66.7	89.0	87.0	73.0
BAR SCF 8 FUS3	88.3	81.7	40.0	46.7	70.0	76.7	90.0	90.7	73.0
ABT-HF-4	90.0	86.7	50.0	53.3	71.7	53.3	90.3	88.3	73.0
DEFIANT	88.3	90.0	45.0	46.7	70.0	66.7	85.3	87.0	72.4
PST-4HM	80.0	86.7	50.0	46.7	73.3	60.0	92.7	86.7	72.0
ASC 172	73.3	71.7	70.0	53.3	56.7	76.7	82.3	85.0	71.1
OSPREY	73.3	75.0	51.7	43.3	76.7	51.7	89.7	88.3	68.7
MB-82	83.3	78.3	53.3	36.7	73.3	43.3	91.3	84.3	68.0
LSD VALUE	11.1	14.2	24.3	18.2	15.0	16.8	12.4	5.3	5.5
C.V. (%)	7.8	10.4	25.6	19.7	12.5	14.6	8.5	3.6	12.5

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

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

TABLE 18B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/									
NAME	ME1	ME2	MO1	NC2	NS1	OK1	WI1	WI2	MEAN
CULOMERA	93.3	88.3	70.0	66.7	80.0	80.0	95.0	91.7	83.1
BRIDGEPORT	93.3	90.0	68.3	63.3	75.0	82.7	91.7	95.3	82.5
JAMESTOWN II	95.0	91.7	71.7	56.7	80.0	75.0	93.0	94.3	82.2
ABT-CHW-3	91.3	91.7	73.3	66.7	80.0	61.7	96.3	94.7	82.0
PICK FRC 4-92	91.7	88.3	68.3	66.7	78.3	74.7	92.7	92.0	81.6
BAR CHF 8 FUS2	86.7	86.7	70.0	70.0	80.0	75.0	90.3	93.0	81.5
ACF 092	90.0	88.3	71.7	63.3	71.7	81.7	90.0	92.7	81.2
MAGIC	83.3	85.0	73.3	70.0	73.3	77.7	93.0	93.0	81.1
ABT-CHW-1	88.3	83.3	68.3	.	73.3	65.0	93.7	95.3	81.0
SR 5100	91.7	88.3	75.0	63.3	76.7	61.7	93.7	95.7	80.8
SANDPIPER	93.3	90.0	56.7	70.0	80.0	67.3	94.7	93.7	80.7
MB-63	93.3	91.7	71.7	63.3	68.3	75.0	89.7	90.7	80.5
LONGFELLOW II	86.7	86.7	73.3	63.3	70.0	71.7	93.7	96.7	80.3
BRITTANY	91.3	88.3	68.3	56.7	67.3	77.7	93.7	94.0	79.7
ACF 083	81.7	90.0	56.7	63.3	75.0	83.3	93.7	92.7	79.5
TREASURE (E)	93.3	88.3	70.0	53.3	76.7	71.7	89.7	93.0	79.5
TIFFANY	90.0	85.0	58.3	56.7	75.0	76.7	93.7	96.7	79.0
PICK FRC A-93	85.0	85.0	66.7	63.3	70.0	78.3	93.0	89.3	78.8
INTRIGUE	93.3	86.7	65.0	43.3	78.3	75.7	92.0	94.0	78.5
AMBASSADOR	88.3	85.0	68.3	53.3	73.3	66.7	94.0	94.0	77.9
ABT-CHW-2	91.3	75.0	71.7	53.3	78.3	66.7	92.3	94.0	77.8
BANNER III	78.3	78.3	66.7	60.0	75.0	66.7	91.0	94.3	76.3
SHADOW II	81.7	76.7	48.3	53.3	73.3	66.7	91.0	94.3	73.2
PST-4HM	80.0	86.7	50.0	46.7	73.3	60.0	92.7	86.7	72.0
LSD VALUE	11.9	11.5	19.6	16.9	15.4	14.6	8.0	4.9	4.8
C.V. (%)	8.3	8.3	18.2	17.4	12.8	12.5	5.4	3.2	10.6

TABLE 18C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/									
NAME	ME1	ME2	MO1	NC2	NS1	OK1	WI1	WI2	MEAN
SEABREEZE	93.3	83.3	63.3	63.3	70.0	73.3	93.7	92.0	79.0
DAWSON E+	90.0	88.3	48.3	46.7	80.0	80.0	86.0	91.0	76.3
ASR 049	94.3	81.7	30.0	56.7	75.0	78.3	91.3	91.3	74.8
BAR SCF 8 FUS3	88.3	81.7	40.0	46.7	70.0	76.7	90.0	90.7	73.0
LSD VALUE	10.1	16.3	27.5	18.6	13.3	13.9	12.7	5.1	5.6
C.V. (%)	6.8	12.1	37.6	21.7	11.2	11.2	8.7	3.5	13.0

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

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

TABLE 18D. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/									
NAME	ME1	ME2	MO1	NC2	NS1	OK1	WI1	WI2	MEAN
DGSC 94	96.3	88.3	66.7	76.7	78.3	80.0	92.0	90.7	83.6
SHADEMASTER II	97.7	85.0	61.7	70.0	70.0	84.0	93.0	94.0	81.9
ABT-CR-3	93.3	88.3	70.0	66.7	80.0	71.7	91.0	91.0	81.5
SRX 52961	88.3	88.3	71.7	66.7	80.0	72.7	91.3	92.0	81.4
BOREAL	93.3	88.3	43.3	80.0	76.7	84.3	88.7	93.7	81.0
COMMON CREEPING RED	93.3	90.0	36.7	76.7	85.0	76.7	91.7	92.3	80.3
PST-EFL	91.7	78.3	71.7	60.0	73.3	81.7	91.7	92.7	80.1
ISI FRR 5	91.7	85.0	71.7	60.0	70.0	76.7	94.0	90.3	79.9
PATHFINDER	91.7	85.0	70.0	50.0	75.0	78.3	92.0	93.7	79.5
SHADEMARK	93.3	78.3	66.7	60.0	71.7	83.7	90.7	88.0	79.0
JASPER II	90.0	78.3	70.0	56.7	75.0	76.7	91.7	93.3	79.0
ASC 087	91.7	86.7	56.7	60.0	76.7	83.3	85.0	90.7	78.8
FLORENTINE	90.0	81.7	66.7	63.3	68.3	76.7	92.0	90.0	78.6
ABT-CR-2	85.0	81.7	75.0	60.0	71.7	71.7	92.0	91.7	78.6
SALSA	96.3	88.3	26.7	70.0	73.3	83.3	95.0	94.3	78.4
PST-4FR	81.7	83.3	73.3	60.0	70.0	80.0	89.3	88.7	78.3
SRX 52LAV	90.0	85.0	65.0	63.3	70.0	71.0	91.0	89.7	78.1
BAR CF 8 FUS1	85.0	90.0	63.3	63.3	76.7	80.0	72.3	90.0	77.6
ASC 082	86.7	80.0	65.0	63.3	70.0	80.0	88.0	87.7	77.6
ISI FRR 7	88.3	71.7	65.0	63.3	75.0	75.0	89.7	92.0	77.5
PST-47TCR	86.7	76.7	66.7	53.3	66.7	74.3	93.0	89.7	75.9
ASC 172	73.3	71.7	70.0	53.3	56.7	76.7	82.3	85.0	71.1
LSD VALUE	8.1	15.1	19.6	20.6	14.6	12.0	16.6	3.1	5.2
C.V. (%)	5.6	11.3	19.2	20.1	12.4	9.6	11.5	2.1	11.6

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

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

TABLE 18E. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/									
NAME	ME1	ME2	MO1	NC2	NS1	OK1	WI1	WI2	MEAN
BAR HF 8 FUS	88.3	88.3	63.3	50.0	71.7	68.3	93.0	92.0	76.9
4001	91.3	93.3	45.0	56.7	78.3	68.3	90.7	90.0	76.7
AHF 009	80.0	85.0	51.7	60.0	76.7	77.7	91.0	89.0	76.4
ABT-HF1	91.7	93.3	45.0	66.7	78.3	56.7	93.0	86.0	76.3
ABT-HF-2	81.7	85.0	63.3	60.0	76.7	66.7	87.0	88.3	76.1
OXFORD	85.0	85.0	60.0	50.0	80.0	75.0	86.0	87.7	76.1
PICK FF A-97	90.0	86.7	58.3	60.0	71.7	66.7	86.0	88.7	76.0
ATTILA E	88.3	86.7	40.0	46.7	85.0	80.0	91.0	89.7	75.9
ISI FL 11	76.7	85.0	55.0	63.3	71.7	74.3	91.0	90.0	75.9
ISI FL 12	85.0	81.7	58.3	53.3	83.3	58.3	93.7	91.3	75.6
SRX 3961	93.0	91.7	46.7	50.0	75.0	63.3	91.3	91.7	75.3
DISCOVERY	90.0	88.3	50.0	53.3	78.3	60.0	91.7	90.3	75.3
SCALDIS	86.7	86.7	50.0	46.7	81.7	71.7	87.3	90.3	75.1
SCALDIS II (AHF 008)	90.0	83.3	53.3	43.3	75.0	75.0	88.0	93.0	75.1
HERON	83.3	86.7	50.0	53.3	80.0	63.3	90.0	89.3	74.5
RESCUE 911	85.0	81.7	63.3	56.7	73.3	56.7	93.7	85.3	74.5
NORDIC (E)	90.0	73.3	68.3	50.0	76.7	53.3	91.3	91.0	74.3
RELIANT II	83.3	81.7	43.3	60.0	73.3	61.7	93.0	90.3	73.3
ABT-HF-3	88.3	86.7	53.3	46.7	80.0	58.3	85.0	88.3	73.3
BIGHORN	88.3	90.0	43.3	60.0	73.3	61.7	85.0	85.0	73.3
ABT-HF-4	90.0	86.7	50.0	53.3	71.7	53.3	90.3	88.3	73.0
DEFIANT	88.3	90.0	45.0	46.7	70.0	66.7	85.3	87.0	72.4
OSPREY	73.3	75.0	51.7	43.3	76.7	51.7	89.7	88.3	68.7
MB-82	83.3	78.3	53.3	36.7	73.3	43.3	91.3	84.3	68.0
LSD VALUE	11.7	15.1	29.6	18.3	14.6	21.6	11.7	7.4	6.2
C.V. (%)	8.4	11.0	35.0	21.5	11.9	21.0	8.1	5.2	14.6

TABLE 18F. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/									
NAME	ME1	ME2	MO1	NC2	NS1	OK1	WI1	WI2	MEAN
MINOTAUR	95.0	81.7	53.3	43.3	75.0	76.0	90.0	90.0	75.5
QUATRO	84.7	80.0	53.3	56.7	83.3	61.7	90.0	87.7	74.7
SR 3200	88.3	91.7	30.0	56.7	78.3	67.7	92.0	88.7	74.2
SR 6000	76.7	86.7	45.0	36.7	81.7	71.7	93.7	93.3	73.2
PST-4MB	90.0	83.3	53.3	43.3	71.7	66.7	89.0	87.0	73.0
LSD VALUE	15.7	14.5	31.6	11.7	18.1	20.3	10.6	2.6	6.2
C.V. (%)	11.2	10.7	41.7	15.4	14.4	18.3	7.3	1.8	14.7

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

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

TABLE 19A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	MD1	NC1	NJ1	OK1	UT1	WI1	WI2	MEAN
JASPER II	80.0	98.7	76.7	11.7	85.0	96.7	94.7	77.6
LONGFELLOW II	83.3	98.7	58.3	11.7	91.7	93.3	96.7	76.2
ISI FRR 5	85.0	98.0	70.0	11.7	78.3	93.0	92.7	75.5
SRX 52961	76.7	98.0	78.3	11.0	73.3	91.7	95.3	74.9
PATHFINDER	81.7	96.3	66.7	11.7	80.0	92.0	95.0	74.8
SHADEMASTER II	68.3	97.7	75.0	11.7	78.3	94.0	93.0	74.0
PST-EFL	83.3	93.7	61.7	10.0	76.7	89.3	92.3	72.4
PST-4FR	83.3	97.7	56.7	6.7	76.7	92.3	92.3	72.2
ABT-CR-3	75.0	98.3	68.3	8.3	75.0	92.3	88.0	72.2
FLORENTINE	80.0	97.0	61.7	10.0	75.0	88.7	92.3	72.1
ISI FRR 7	76.7	97.3	55.0	13.3	78.3	88.7	93.3	71.8
ABT-CHW-2	80.0	91.3	46.7	10.0	88.3	90.7	93.0	71.4
MAGIC	83.3	95.3	44.3	5.0	86.7	90.0	93.0	71.1
BRIDGEPORT	78.3	97.3	32.7	6.7	91.7	92.0	95.7	70.6
PST-47TCR	78.3	97.0	55.0	10.7	71.7	88.7	92.0	70.5
ABT-CHW-3	81.7	98.0	34.3	8.3	81.7	94.7	93.0	70.2
PICK FRC A-93	75.0	98.7	45.0	6.7	86.7	90.3	87.7	70.0
4001	56.7	93.0	71.7	0.7	88.3	89.7	88.7	69.8
INTRIGUE	73.3	98.3	41.0	5.0	88.3	89.3	93.3	69.8
ASC 082	76.7	98.3	63.3	6.0	75.0	79.3	87.0	69.4
BAR CF 8 FUS1	73.3	98.7	50.0	11.7	71.7	87.0	90.3	69.0
ABT-HF-2	75.0	91.7	60.0	4.0	81.7	84.0	86.0	68.9
BRITTANY	81.7	98.7	30.0	4.7	86.7	88.3	91.3	68.8
BAR HF 8 FUS	68.3	93.3	56.0	2.0	86.7	86.0	88.3	68.7
TREAZURE (E)	78.3	98.3	27.0	7.3	85.0	88.0	96.3	68.6
MINOTAUR	66.7	98.3	67.7	0.7	71.7	84.7	90.0	68.5
TIFFANY	68.3	98.3	40.7	5.0	85.0	89.3	92.7	68.5
ABT-CR-2	81.7	95.7	38.3	9.0	70.0	90.0	92.7	68.2
MB-63	85.0	97.7	27.0	6.7	85.0	82.7	93.0	68.1
OXFORD	66.7	97.3	39.0	4.3	88.3	89.3	92.0	68.1
AMBASSADOR	75.0	97.0	37.0	8.3	78.3	88.7	92.0	68.0
PST-4MB	63.3	94.7	63.3	1.0	76.7	88.3	88.7	68.0
PICK FRC 4-92	80.0	97.3	24.0	7.7	83.3	86.3	94.7	67.6
CULOMBRA	78.3	94.3	15.0	7.7	91.7	89.0	91.7	66.8
DGSC 94	75.0	94.3	45.0	13.3	66.7	82.7	90.7	66.8
JAMESTOWN II	83.3	96.0	14.0	2.7	86.3	91.7	93.7	66.8
SHADOW II	66.7	94.3	31.7	5.3	86.7	89.7	91.0	66.5
ACF 092	81.7	95.0	17.0	5.0	83.3	91.3	92.0	66.5
SANDPIPER	68.3	96.3	22.3	4.0	91.3	91.0	92.0	66.5
SRX 52LAV	76.7	95.0	37.3	6.7	66.7	90.7	90.7	66.2
SHADEMARK	76.7	94.7	27.7	13.3	75.0	85.3	90.7	66.2
SR 5100	83.3	91.3	18.3	5.0	80.0	92.0	93.3	66.2
BANNER III	75.0	98.0	19.0	5.0	84.7	85.3	95.7	66.1
ACF 083	71.7	98.0	22.7	8.3	83.3	84.0	93.0	65.9
SRX 3961	55.0	95.0	46.7	2.0	81.7	87.7	91.0	65.6

TABLE 19A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS
(CONT'D) 1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS								
NAME	MO1	NC1	NJ1	OK1	UT1	WI1	WI2	MEAN
ABT-CHW-1	80.0	98.3	18.3	3.7	75.0	90.7	92.7	65.5
ABT-HF-4	60.0	94.3	43.3	3.7	76.7	89.3	90.0	65.3
BAR CHF 8 FUS2	80.0	95.3	12.7	2.3	88.3	86.0	91.3	65.1
ISI FL 11	68.3	92.7	31.7	3.7	83.3	87.7	88.3	65.1
NORDIC (E)	71.7	93.3	39.3	0.7	80.0	82.7	87.7	65.0
SEABREEZE	76.7	96.3	12.7	2.7	85.0	90.0	92.0	65.0
ABT-HF1	46.7	91.0	56.7	2.3	81.7	86.7	89.3	64.9
SCALDIS II (AHF 008)	71.7	97.0	13.3	1.0	93.0	88.7	88.7	64.8
RELIANT II	53.3	88.3	41.7	3.7	86.7	89.3	90.3	64.8
RESCUE 911	73.3	97.0	31.7	0.7	80.0	82.3	87.7	64.7
ISI FL 12	65.0	92.7	27.3	3.7	86.7	87.7	85.7	64.1
QUATRO	66.7	97.0	36.7	3.7	73.3	85.0	85.7	64.0
ASC 172	78.3	87.7	55.0	5.0	60.0	75.0	86.0	63.9
DISCOVERY	58.3	95.0	25.7	0.3	86.7	90.3	89.0	63.6
ABT-HF-3	63.3	92.7	37.7	0.7	76.7	82.3	91.7	63.6
ASC 087	73.3	94.3	19.0	9.3	68.3	86.0	91.7	63.1
BAR SCF 8 FUS3	50.0	97.7	19.0	3.0	88.3	90.3	93.3	63.1
PICK FF A-97	68.3	95.3	19.0	1.0	81.7	86.0	88.3	62.8
OSPREY	60.0	91.7	27.3	0.3	83.3	85.0	90.0	62.5
ATTILA E	50.0	91.7	32.7	1.3	85.0	89.7	86.7	62.4
DAWSON E+	58.3	97.7	8.0	1.0	86.7	90.7	92.7	62.1
DEFIANT	55.0	93.3	26.7	2.0	80.0	84.0	93.3	62.0
HERON	58.3	96.0	15.7	3.7	86.7	85.0	88.3	62.0
AHF 009	65.0	89.7	20.0	1.0	78.3	84.3	91.0	61.3
SALSA	26.7	96.3	25.7	7.0	78.3	97.0	96.0	61.0
SCALDIS	63.3	92.7	16.7	2.0	85.0	81.0	85.0	60.8
PST-4HM	56.7	87.7	22.3	3.0	78.3	86.0	90.3	60.6
BIGHORN	53.3	95.0	18.3	0.3	85.0	80.0	87.0	59.9
ASR 049	38.3	97.0	13.3	0.7	78.3	93.7	90.3	58.8
MB-82	61.7	91.7	15.3	0.7	70.0	85.0	86.0	58.6
SR 3200	40.0	96.0	11.3	3.7	86.7	85.0	86.7	58.5
COMMON CREEPING RED	48.3	90.7	10.7	1.0	80.0	86.7	90.0	58.2
BOREAL	55.0	86.7	6.3	2.7	81.7	81.0	89.0	57.5
SR 6000	56.7	51.7	2.7	7.0	81.7	83.3	83.3	52.3
LSD VALUE	23.4	8.0	27.2	5.4	14.4	8.8	6.4	5.9
C.V. (%)	21.0	5.3	46.8	64.4	11.1	6.2	4.4	14.6

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

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

TABLE 19B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/								
NAME	MO1	NC1	NJ1	CK1	UT1	WI1	WI2	MEAN
LONGFELLOW II	83.3	98.7	58.3	11.7	91.7	93.3	96.7	76.2
ABT-CHW-2	80.0	91.3	46.7	10.0	88.3	90.7	93.0	71.4
MAGIC	83.3	95.3	44.3	5.0	86.7	90.0	93.0	71.1
BRIDGEPORT	78.3	97.3	32.7	6.7	91.7	92.0	95.7	70.6
ABT-CHW-3	81.7	98.0	34.3	8.3	81.7	94.7	93.0	70.2
PICK FRC A-93	75.0	98.7	45.0	6.7	86.7	90.3	87.7	70.0
INTRIGUE	73.3	98.3	41.0	5.0	88.3	89.3	93.3	69.8
BRITTANY	81.7	98.7	30.0	4.7	86.7	88.3	91.3	68.8
TREAZURE (E)	78.3	98.3	27.0	7.3	85.0	88.0	96.3	68.6
TIFFANY	68.3	98.3	40.7	5.0	85.0	89.3	92.7	68.5
MB-63	85.0	97.7	27.0	6.7	85.0	82.7	93.0	68.1
AMBASSADOR	75.0	97.0	37.0	8.3	78.3	88.7	92.0	68.0
PICK FRC 4-92	80.0	97.3	24.0	7.7	83.3	86.3	94.7	67.6
CULOMBRA	78.3	94.3	15.0	7.7	91.7	89.0	91.7	66.8
JAMESTOWN II	83.3	96.0	14.0	2.7	86.3	91.7	93.7	66.8
SHADOW II	66.7	94.3	31.7	5.3	86.7	89.7	91.0	66.5
ACF 092	81.7	95.0	17.0	5.0	83.3	91.3	92.0	66.5
SANDPIPER	68.3	96.3	22.3	4.0	91.3	91.0	92.0	66.5
SR 5100	83.3	91.3	18.3	5.0	80.0	92.0	93.3	66.2
BANNER III	75.0	98.0	19.0	5.0	84.7	85.3	95.7	66.1
ACF 083	71.7	98.0	22.7	8.3	83.3	84.0	93.0	65.9
ABT-CHW-1	80.0	98.3	18.3	3.7	75.0	90.7	92.7	65.5
BAR CHF 8 FUS2	80.0	95.3	12.7	2.3	88.3	86.0	91.3	65.1
PST-4HM	56.7	87.7	22.3	3.0	78.3	86.0	90.3	60.6
LSD VALUE	16.9	7.4	26.6	4.5	11.3	10.2	5.1	5.2
C.V. (%)	13.7	4.8	56.5	46.2	8.3	7.1	3.4	12.6

TABLE 19C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/								
NAME	MO1	NC1	NJ1	CK1	UT1	WI1	WI2	MEAN
SEABREEZE	76.7	96.3	12.7	2.7	85.0	90.0	92.0	65.0
BAR SCF 8 FUS3	50.0	97.7	19.0	3.0	88.3	90.3	93.3	63.1
DAWSON E+	58.3	97.7	8.0	1.0	86.7	90.7	92.7	62.1
ASR 049	38.3	97.0	13.3	0.7	78.3	93.7	90.3	58.8
LSD VALUE	30.9	3.5	6.8	2.5	15.6	6.8	6.8	5.3
C.V. (%)	34.4	2.2	31.7	84.8	11.4	4.6	4.6	13.9

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

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

TABLE 19D. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	MO1	NC1	NJ1	OK1	UT1	WI1	WI2	MEAN
JASPER II	80.0	98.7	76.7	11.7	85.0	96.7	94.7	77.6
ISI FRR 5	85.0	98.0	70.0	11.7	78.3	93.0	92.7	75.5
SRX 52961	76.7	98.0	78.3	11.0	73.3	91.7	95.3	74.9
PATHFINDER	81.7	96.3	66.7	11.7	80.0	92.0	95.0	74.8
SHADEMASTER II	68.3	97.7	75.0	11.7	78.3	94.0	93.0	74.0
PST-EFL	83.3	93.7	61.7	10.0	76.7	89.3	92.3	72.4
PST-4FR	83.3	97.7	56.7	6.7	76.7	92.3	92.3	72.2
ABT-CR-3	75.0	98.3	68.3	8.3	75.0	92.3	88.0	72.2
FLORENTINE	80.0	97.0	61.7	10.0	75.0	88.7	92.3	72.1
ISI FRR 7	76.7	97.3	55.0	13.3	78.3	88.7	93.3	71.8
PST-47TCR	78.3	97.0	55.0	10.7	71.7	88.7	92.0	70.5
ASC 082	76.7	98.3	63.3	6.0	75.0	79.3	87.0	69.4
BAR CF 8 FUS1	73.3	98.7	50.0	11.7	71.7	87.0	90.3	69.0
ABT-CR-2	81.7	95.7	38.3	9.0	70.0	90.0	92.7	68.2
DGSC 94	75.0	94.3	45.0	13.3	66.7	82.7	90.7	66.8
SRX 52LAV	76.7	95.0	37.3	6.7	66.7	90.7	90.7	66.2
SHADEMARK	76.7	94.7	27.7	13.3	75.0	85.3	90.7	66.2
ASC 172	78.3	87.7	55.0	5.0	60.0	75.0	86.0	63.9
ASC 087	73.3	94.3	19.0	9.3	68.3	86.0	91.7	63.1
SALSA	26.7	96.3	25.7	7.0	78.3	97.0	96.0	61.0
COMMON CREEPING RED	48.3	90.7	10.7	1.0	80.0	86.7	90.0	58.2
BOREAL	55.0	86.7	6.3	2.7	81.7	81.0	89.0	57.5
LSD VALUE	20.2	8.0	23.9	7.4	16.3	8.2	7.2	5.5
C.V. (%)	17.2	5.2	29.7	50.5	13.6	5.8	4.9	13.1

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

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

TABLE 19E. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/								
NAME	MO1	NC1	NJ1	OK1	UT1	WI1	WI2	MEAN
4001	56.7	93.0	71.7	0.7	88.3	89.7	88.7	69.8
ABT-HF-2	75.0	91.7	60.0	4.0	81.7	84.0	86.0	68.9
BAR HF 8 FUS	68.3	93.3	56.0	2.0	86.7	86.0	88.3	68.7
OXFORD	66.7	97.3	39.0	4.3	88.3	89.3	92.0	68.1
SRX 3961	55.0	95.0	46.7	2.0	81.7	87.7	91.0	65.6
ABT-HF-4	60.0	94.3	43.3	3.7	76.7	89.3	90.0	65.3
ISI FL 11	68.3	92.7	31.7	3.7	83.3	87.7	88.3	65.1
NORDIC (E)	71.7	93.3	39.3	0.7	80.0	82.7	87.7	65.0
ABT-HF1	46.7	91.0	56.7	2.3	81.7	86.7	89.3	64.9
SCALDIS II (AHF 008)	71.7	97.0	13.3	1.0	93.0	88.7	88.7	64.8
RELIANT II	53.3	88.3	41.7	3.7	86.7	89.3	90.3	64.8
RESCUE 911	73.3	97.0	31.7	0.7	80.0	82.3	87.7	64.7
ISI FL 12	65.0	92.7	27.3	3.7	86.7	87.7	85.7	64.1
DISCOVERY	58.3	95.0	25.7	0.3	86.7	90.3	89.0	63.6
ABT-HF-3	63.3	92.7	37.7	0.7	76.7	82.3	91.7	63.6
PICK FF A-97	68.3	95.3	19.0	1.0	81.7	86.0	88.3	62.8
OSPREY	60.0	91.7	27.3	0.3	83.3	85.0	90.0	62.5
ATTIIA E	50.0	91.7	32.7	1.3	85.0	89.7	86.7	62.4
DEFIANT	55.0	93.3	26.7	2.0	80.0	84.0	93.3	62.0
HERON	58.3	96.0	15.7	3.7	86.7	85.0	88.3	62.0
AHF 009	65.0	89.7	20.0	1.0	78.3	84.3	91.0	61.3
SCALDIS	63.3	92.7	16.7	2.0	85.0	81.0	85.0	60.8
BIGHORN	53.3	95.0	18.3	0.3	85.0	80.0	87.0	59.9
MB-82	61.7	91.7	15.3	0.7	70.0	85.0	86.0	58.6
LSD VALUE	27.5	8.7	31.6	4.3	14.6	8.2	6.3	6.7
C.V. (%)	27.6	5.8	57.9	141.2	11.0	5.9	4.4	17.1

TABLE 19F. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/								
NAME	MO1	NC1	NJ1	OK1	UT1	WI1	WI2	MEAN
MINOTAUR	66.7	98.3	67.7	0.7	71.7	84.7	90.0	68.5
PST-4MB	63.3	94.7	63.3	1.0	76.7	88.3	88.7	68.0
QUATRO	66.7	97.0	36.7	3.7	73.3	85.0	85.7	64.0
SR 3200	40.0	96.0	11.3	3.7	86.7	85.0	86.7	58.5
SR 6000	56.7	51.7	2.7	7.0	81.7	83.3	83.3	52.3
LSD VALUE	32.6	9.8	30.5	5.8	17.1	7.6	8.3	7.2
C.V. (%)	34.6	7.0	52.1	112.7	13.6	5.6	5.9	19.0

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

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

TABLE 20A.

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

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	CO1	IL1	IN1	KY1	MO1	NJ1	NJ2	NS1	OK1	WI1	WI2	MEAN
JASPER II	94.7	90.0	88.3	90.7	95.0	94.0	97.3	83.3	38.3	98.3	98.7	88.1
LONGFELLOW II	86.7	80.0	95.0	91.3	95.3	93.7	98.7	91.3	35.0	97.7	98.7	87.6
SRX 52961	94.7	90.0	91.7	80.0	88.3	92.3	99.0	91.3	40.0	98.0	97.0	87.5
ABT-CHW-2	99.0	83.3	96.0	86.3	91.7	86.7	98.3	89.7	30.0	95.7	97.3	86.7
ISI FRR 5	80.0	86.7	95.0	82.3	95.3	94.7	98.0	75.0	41.7	98.7	98.3	86.0
ABT-CR-3	95.0	75.0	96.0	89.0	91.7	98.7	98.7	78.3	23.3	97.0	96.7	85.4
AMBASSADOR	95.0	86.7	96.3	87.3	88.7	65.3	98.3	86.7	40.0	97.0	97.7	85.4
ABT-CR-2	93.3	83.3	95.0	85.7	94.0	88.3	97.7	78.3	28.3	97.0	97.0	85.3
ISI FRR 7	88.3	83.3	88.3	76.7	89.0	90.0	98.3	75.0	50.0	97.0	97.7	84.9
PATHFINDER	76.7	81.7	91.3	84.0	95.7	94.7	97.3	75.0	36.7	98.3	98.3	84.5
PST-EFL	61.7	86.7	93.7	83.0	93.3	94.3	97.3	85.0	35.0	98.0	97.7	84.2
SHADEMASTER II	81.7	86.7	78.3	92.7	83.3	93.0	98.7	80.0	25.0	97.0	97.7	83.1
DGSC 94	78.3	83.3	83.3	79.7	90.0	92.0	97.7	83.3	30.0	98.0	98.0	83.1
INTRIGUE	91.7	81.7	93.3	93.3	81.7	89.3	95.7	81.7	11.7	96.0	97.0	83.0
ABT-CHW-3	94.7	85.0	96.3	73.3	96.3	82.7	94.0	85.0	10.0	98.3	96.0	82.9
TREAZURE (E)	68.3	88.3	91.7	79.3	90.0	78.3	98.0	91.7	28.3	96.3	99.0	82.7
BRIDGEPORT	85.0	88.3	86.7	66.0	90.0	75.0	97.0	94.7	26.7	98.0	99.0	82.4
PICK FRC A-93	70.0	85.0	96.3	95.0	85.0	83.3	95.7	81.3	18.3	97.3	95.0	82.0
FLORENTINE	71.7	86.7	90.0	84.7	88.3	87.7	97.0	71.7	21.7	97.0	98.0	81.3
PST-47TCR	48.3	81.7	86.7	80.0	90.0	96.7	96.0	71.7	40.0	97.7	97.3	80.5
SR 5100	90.0	90.0	96.3	58.3	94.0	58.3	96.0	89.7	16.7	97.0	98.7	80.5
CULOMBRA	96.3	91.7	97.7	60.7	90.0	55.0	96.7	86.7	13.3	97.0	98.0	80.3
ISI FL 11	94.7	81.7	93.3	77.3	78.3	56.7	95.3	85.0	28.3	95.3	94.0	80.0
BAR CF 8 FUS1	48.3	81.7	93.3	79.3	86.7	88.0	94.7	81.7	33.3	96.7	96.0	80.0
ASC 082	83.3	78.3	88.3	83.3	85.0	96.3	93.0	68.3	10.0	95.3	94.7	79.6
ACF 092	94.7	83.3	91.7	74.3	91.7	45.0	97.7	81.7	18.3	97.7	97.3	79.4
SHADOW II	94.7	83.3	94.7	71.7	76.7	63.7	98.3	88.0	5.7	98.0	97.3	79.3
OXFORD	96.3	80.0	94.7	75.7	81.7	58.3	97.7	84.7	10.0	95.3	97.0	79.2
4001	95.0	83.3	95.0	80.0	68.3	70.0	98.7	83.3	3.7	97.7	96.0	79.2
SHADEMARK	76.7	85.0	83.3	69.3	88.3	75.7	98.7	71.7	26.7	96.0	97.7	79.0
ABT-HF1	97.7	85.0	93.3	75.0	63.3	66.7	98.7	88.0	7.0	96.7	96.7	78.9
SRX 52LAV	91.7	90.0	89.7	78.3	88.7	56.7	97.0	71.7	8.3	97.7	97.7	78.8
ABT-HF-2	99.0	83.3	91.7	65.0	81.7	66.7	97.7	78.3	15.3	95.0	93.0	78.8
PICK FRC 4-92	85.0	81.7	96.3	50.0	90.0	65.0	94.0	93.0	15.0	96.3	98.7	78.6
MAGIC	81.7	76.7	95.0	58.3	95.7	75.0	92.7	84.7	8.3	98.3	97.7	78.5
BAR HF 8 FUS	93.3	83.3	93.3	83.3	80.0	64.3	93.0	73.3	5.7	96.3	96.3	78.4
TIFFANY	95.0	85.0	88.3	50.0	84.0	71.0	97.3	85.0	10.0	98.7	97.3	78.3
ABT-CHW-1	99.0	85.0	96.0	51.7	92.3	46.7	98.0	88.0	8.3	98.3	98.0	78.3
PST-4MB	99.0	81.7	93.0	76.7	76.7	63.3	95.3	78.3	2.3	96.0	94.3	77.9
PST-4FR	58.3	80.0	90.0	76.7	93.3	86.0	94.0	70.0	13.7	98.0	96.7	77.9
ACF 083	91.7	81.7	81.7	68.3	78.3	63.3	96.0	94.3	5.0	97.0	97.7	77.7
RELIANT II	94.7	76.7	96.0	74.0	61.7	70.7	98.0	76.7	10.7	97.0	97.0	77.5
MINOTAUR	93.0	80.0	95.0	66.7	73.3	71.7	98.0	80.0	2.3	95.3	94.7	77.3
MB-63	81.7	91.7	93.0	50.0	93.3	55.0	94.3	89.7	10.0	94.0	97.3	77.3
SRX 3961	91.7	73.3	96.3	87.3	60.0	53.3	98.7	83.3	10.0	97.3	97.3	77.2

TABLE 20A.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF FINELEAF FESCUE CULTIVARS
1999 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	CO1	IL1	IN1	KY1	MO1	NJ1	NJ2	NS1	OK1	WI1	WI2	MEAN
AHF 009	91.7	86.7	91.3	86.7	70.0	45.0	97.0	83.3	2.3	96.0	97.0	77.0
ISI FL 12	93.3	83.3	99.0	77.3	78.3	35.0	96.0	78.3	14.0	96.7	93.3	76.8
BRITTANY	48.3	88.3	94.7	59.0	90.0	76.7	97.3	74.3	18.3	97.0	97.7	76.5
RESCUE 911	95.0	75.0	91.7	86.0	85.0	51.0	87.7	80.0	1.0	93.7	95.7	76.5
ASC 087	91.7	73.3	68.3	65.0	80.0	66.7	95.7	80.0	23.3	95.7	97.3	76.1
ABT-HF-3	99.0	83.3	94.7	60.0	70.0	51.7	95.7	83.3	5.3	93.3	97.3	75.8
DISCOVERY	94.7	76.7	93.0	84.0	68.3	46.7	94.7	80.0	2.3	97.0	96.0	75.8
NORDIC (E)	99.0	83.3	93.0	51.7	83.3	39.3	98.3	81.7	5.3	96.7	96.3	75.3
SALSA	94.7	88.3	83.3	75.0	40.0	71.7	98.0	71.3	6.7	99.0	98.3	75.1
JAMESTOWN II	93.0	88.3	91.7	38.3	94.7	36.7	95.3	86.3	6.7	98.0	96.7	75.1
BAR SCF 8 FUS3	91.7	83.3	90.0	63.3	60.0	68.3	92.0	76.7	5.0	97.7	97.7	75.1
SEABREEZE	97.7	83.3	83.3	51.7	85.0	48.3	98.3	78.3	2.3	99.0	95.7	74.8
ABT-HF-4	96.3	86.7	94.7	53.3	66.7	50.0	97.7	73.3	8.7	96.7	97.0	74.6
BANNER III	96.0	76.7	91.7	56.7	88.3	29.0	97.0	81.7	6.7	95.7	98.7	74.4
SANDPIPER	97.7	88.3	73.3	46.7	76.7	48.3	96.7	80.0	13.7	98.3	97.7	74.3
QUATRO	95.0	78.3	95.0	18.7	78.3	63.3	95.3	86.7	10.7	95.7	94.3	73.8
ASC 172	76.7	63.3	85.0	75.7	89.0	80.0	86.3	61.7	6.7	92.0	93.3	73.6
BAR CHF 8 FUS2	85.0	78.3	95.0	41.7	90.0	29.0	96.3	91.3	5.3	97.0	97.7	73.3
HERON	99.0	83.3	93.0	65.0	66.7	24.0	93.7	76.7	5.7	97.3	94.7	72.6
SCALDIS II (AHF 008)	94.7	80.0	83.3	65.0	75.0	27.3	93.3	83.3	2.3	96.7	96.7	72.5
OSPREY	90.0	80.0	93.3	56.7	66.7	31.0	97.0	86.3	2.3	96.3	96.0	72.3
PST-4HM	97.7	86.7	96.3	45.0	68.3	36.7	92.0	75.0	4.3	96.0	97.3	72.3
PICK FF A-97	93.0	71.7	91.7	58.3	76.7	40.0	87.3	83.3	1.0	94.7	96.0	72.2
BIGHORN	97.7	90.0	96.3	49.0	61.7	27.7	96.0	78.3	3.7	94.7	95.0	71.8
SCALDIS	97.7	70.0	94.7	60.0	70.0	29.3	94.0	81.7	2.3	94.7	92.3	71.5
DEFIANT	76.7	78.3	88.3	68.0	61.7	36.0	97.0	86.7	1.0	96.3	94.7	71.3
ATTILA E	94.7	73.3	93.0	46.7	58.3	48.3	88.0	85.0	5.3	94.7	94.3	71.1
MB-82	96.3	75.0	96.0	45.0	66.7	23.3	95.0	80.0	5.3	96.7	93.7	70.3
ASR 049	99.0	83.3	90.0	13.3	51.7	40.0	95.3	78.3	1.0	98.3	97.0	67.9
DAWSON E+	96.3	86.7	85.0	11.3	71.7	13.7	97.3	89.7	1.0	96.3	97.7	67.9
SR 3200	90.0	68.3	93.3	49.3	46.7	28.3	95.0	75.0	7.0	96.7	93.3	67.5
COMMON CREEPING RED	91.7	88.3	46.7	31.3	58.3	33.3	93.3	75.0	5.7	97.3	96.3	65.2
BOREAL	88.3	81.7	56.7	36.7	63.3	11.0	87.7	83.0	2.7	96.3	96.3	64.0
SR 6000	71.7	50.0	53.3	17.0	66.7	2.3	53.3	53.3	5.0	98.0	98.0	51.7
LSD VALUE	6.1	14.8	10.1	21.1	23.8	27.4	6.1	19.3	19.8	2.8	4.0	4.9
C.V. (%)	4.3	11.2	7.0	19.9	18.6	28.0	3.9	14.8	87.6	1.8	2.6	13.2

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

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

TABLE 20B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/												
NAME	CO1	IL1	IN1	KY1	MO1	NJ1	NJ2	NS1	OK1	WI1	WI2	MEAN
LONGFELLOW II	86.7	80.0	95.0	91.3	95.3	93.7	98.7	91.3	35.0	97.7	98.7	87.6
ABT-CHW-2	99.0	83.3	96.0	86.3	91.7	86.7	98.3	89.7	30.0	95.7	97.3	86.7
AMBASSADOR	95.0	86.7	96.3	87.3	88.7	65.3	98.3	86.7	40.0	97.0	97.7	85.4
INTRIGUE	91.7	81.7	93.3	93.3	81.7	89.3	95.7	81.7	11.7	96.0	97.0	83.0
ABT-CHW-3	94.7	85.0	96.3	73.3	96.3	82.7	94.0	85.0	10.0	98.3	96.0	82.9
TREAZURE (E)	68.3	88.3	91.7	79.3	90.0	78.3	98.0	91.7	28.3	96.3	99.0	82.7
BRIDGEPORT	85.0	88.3	86.7	66.0	90.0	75.0	97.0	94.7	26.7	98.0	99.0	82.4
PICK FRC A-93	70.0	85.0	96.3	95.0	85.0	83.3	95.7	81.3	18.3	97.3	95.0	82.0
SR 5100	90.0	90.0	96.3	58.3	94.0	58.3	96.0	89.7	16.7	97.0	98.7	80.5
CULOMBRA	96.3	91.7	97.7	60.7	90.0	55.0	96.7	86.7	13.3	97.0	98.0	80.3
ACF 092	94.7	83.3	91.7	74.3	91.7	45.0	97.7	81.7	18.3	97.7	97.3	79.4
SHADOW II	94.7	83.3	94.7	71.7	76.7	63.7	98.3	88.0	5.7	98.0	97.3	79.3
PICK FRC 4-92	85.0	81.7	96.3	50.0	90.0	65.0	94.0	93.0	15.0	96.3	98.7	78.6
MAGIC	81.7	76.7	95.0	58.3	95.7	75.0	92.7	84.7	8.3	98.3	97.7	78.5
TIFFANY	95.0	85.0	88.3	50.0	84.0	71.0	97.3	85.0	10.0	98.7	97.3	78.3
ABT-CHW-1	99.0	85.0	96.0	51.7	92.3	46.7	98.0	88.0	8.3	98.3	98.0	78.3
ACF 083	91.7	81.7	81.7	68.3	78.3	63.3	96.0	94.3	5.0	97.0	97.7	77.7
MB-63	81.7	91.7	93.0	50.0	93.3	55.0	94.3	89.7	10.0	94.0	97.3	77.3
BRITTANY	48.3	88.3	94.7	59.0	90.0	76.7	97.3	74.3	18.3	97.0	97.7	76.5
JAMESTOWN II	93.0	88.3	91.7	38.3	94.7	36.7	95.3	86.3	6.7	98.0	96.7	75.1
BANNER III	96.0	76.7	91.7	56.7	88.3	29.0	97.0	81.7	6.7	95.7	98.7	74.4
SANDPIPER	97.7	88.3	73.3	46.7	76.7	48.3	96.7	80.0	13.7	98.3	97.7	74.3
BAR CHF 8 FUS2	85.0	78.3	95.0	41.7	90.0	29.0	96.3	91.3	5.3	97.0	97.7	73.3
PST-4HM	97.7	86.7	96.3	45.0	68.3	36.7	92.0	75.0	4.3	96.0	97.3	72.3
LSD VALUE	7.4	11.7	8.3	22.2	17.9	29.8	4.7	16.7	20.7	2.8	2.4	4.7
C.V. (%)	5.2	8.6	5.5	21.4	12.7	29.4	3.0	12.0	84.5	1.8	1.5	12.3

TABLE 20C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/												
NAME	CO1	IL1	IN1	KY1	MO1	NJ1	NJ2	NS1	OK1	WI1	WI2	MEAN
BAR SCF 8 FUS3	91.7	83.3	90.0	63.3	60.0	68.3	92.0	76.7	5.0	97.7	97.7	75.1
SEABREEZE	97.7	83.3	83.3	51.7	85.0	48.3	98.3	78.3	2.3	99.0	95.7	74.8
ASR 049	99.0	83.3	90.0	13.3	51.7	40.0	95.3	78.3	1.0	98.3	97.0	67.9
DAWSON E+	96.3	86.7	85.0	11.3	71.7	13.7	97.3	89.7	1.0	96.3	97.7	67.9
LSD VALUE	3.5	14.7	7.3	20.2	29.2	23.2	2.7	26.3	1.9	2.0	2.9	4.8
C.V. (%)	2.3	10.8	5.2	36.0	27.0	33.8	1.7	20.2	49.5	1.3	1.9	13.9

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

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

TABLE 20D. PERCENT LIVING GROUND COVER (FALL) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/											
	CO1	IL1	IN1	KY1	MO1	NJ1	NJ2	NS1	OK1	WI1	WI2	MEAN
JASPER II	94.7	90.0	88.3	90.7	95.0	94.0	97.3	83.3	38.3	98.3	98.7	88.1
SRX 52961	94.7	90.0	91.7	80.0	88.3	92.3	99.0	91.3	40.0	98.0	97.0	87.5
ISI FRR 5	80.0	86.7	95.0	82.3	95.3	94.7	98.0	75.0	41.7	98.7	98.3	86.0
ABT-CR-3	95.0	75.0	96.0	89.0	91.7	98.7	98.7	78.3	23.3	97.0	96.7	85.4
ABT-CR-2	93.3	83.3	95.0	85.7	94.0	88.3	97.7	78.3	28.3	97.0	97.0	85.3
ISI FRR 7	88.3	83.3	88.3	76.7	89.0	90.0	98.3	75.0	50.0	97.0	97.7	84.9
PATHFINDER	76.7	81.7	91.3	84.0	95.7	94.7	97.3	75.0	36.7	98.3	98.3	84.5
PST-EFL	61.7	86.7	93.7	83.0	93.3	94.3	97.3	85.0	35.0	98.0	97.7	84.2
SHADEMASTER II	81.7	86.7	78.3	92.7	83.3	93.0	98.7	80.0	25.0	97.0	97.7	83.1
DGSC 94	78.3	83.3	83.3	79.7	90.0	92.0	97.7	83.3	30.0	98.0	98.0	83.1
FLORENTINE	71.7	86.7	90.0	84.7	88.3	87.7	97.0	71.7	21.7	97.0	98.0	81.3
PST-47TCR	48.3	81.7	86.7	80.0	90.0	96.7	96.0	71.7	40.0	97.7	97.3	80.5
BAR CF 8 FUS1	48.3	81.7	93.3	79.3	86.7	88.0	94.7	81.7	33.3	96.7	96.0	80.0
ASC 082	83.3	78.3	88.3	83.3	85.0	96.3	93.0	68.3	10.0	95.3	94.7	79.6
SHADEMARK	76.7	85.0	83.3	69.3	88.3	75.7	98.7	71.7	26.7	96.0	97.7	79.0
SRX 52LAV	91.7	90.0	89.7	78.3	88.7	56.7	97.0	71.7	8.3	97.7	97.7	78.8
PST-4FR	58.3	80.0	90.0	76.7	93.3	86.0	94.0	70.0	13.7	98.0	96.7	77.9
ASC 087	91.7	73.3	68.3	65.0	80.0	66.7	95.7	80.0	23.3	95.7	97.3	76.1
SALSA	94.7	88.3	83.3	75.0	40.0	71.7	98.0	71.3	6.7	99.0	98.3	75.1
ASC 172	76.7	63.3	85.0	75.7	89.0	80.0	86.3	61.7	6.7	92.0	93.3	73.6
COMMON CREEPING RED	91.7	88.3	46.7	31.3	58.3	33.3	93.3	75.0	5.7	97.3	96.3	65.2
BOREAL	88.3	81.7	56.7	36.7	63.3	11.0	87.7	83.0	2.7	96.3	96.3	64.0
LSD VALUE	6.2	14.1	12.5	22.1	21.8	19.4	5.5	24.7	25.6	2.7	3.6	5.0
C.V. (%)	4.8	10.5	9.2	18.0	16.0	14.9	3.6	20.1	64.1	1.7	2.3	12.9

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

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

TABLE 20E.

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

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/											
	CO1	IL1	IN1	KY1	MO1	NJ1	NJ2	NS1	OK1	WI1	WI2	MEAN
ISI FL 11	94.7	81.7	93.3	77.3	78.3	56.7	95.3	85.0	28.3	95.3	94.0	80.0
OXFORD	96.3	80.0	94.7	75.7	81.7	58.3	97.7	84.7	10.0	95.3	97.0	79.2
4001	95.0	83.3	95.0	80.0	68.3	70.0	98.7	83.3	3.7	97.7	96.0	79.2
ABT-HF1	97.7	85.0	93.3	75.0	63.3	66.7	98.7	88.0	7.0	96.7	96.7	78.9
ABT-HF-2	99.0	83.3	91.7	65.0	81.7	66.7	97.7	78.3	15.3	95.0	93.0	78.8
BAR HF 8 FUS	93.3	83.3	93.3	83.3	80.0	64.3	93.0	73.3	5.7	96.3	96.3	78.4
RELIANT II	94.7	76.7	96.0	74.0	61.7	70.7	98.0	76.7	10.7	97.0	97.0	77.5
SRX 3961	91.7	73.3	96.3	87.3	60.0	53.3	98.7	83.3	10.0	97.3	97.3	77.2
AHF 009	91.7	86.7	91.3	86.7	70.0	45.0	97.0	83.3	2.3	96.0	97.0	77.0
ISI FL 12	93.3	83.3	99.0	77.3	78.3	35.0	96.0	78.3	14.0	96.7	93.3	76.8
RESCUE 911	95.0	75.0	91.7	86.0	85.0	51.0	87.7	80.0	1.0	93.7	95.7	76.5
ABT-HF-3	99.0	83.3	94.7	60.0	70.0	51.7	95.7	83.3	5.3	93.3	97.3	75.8
DISCOVERY	94.7	76.7	93.0	84.0	68.3	46.7	94.7	80.0	2.3	97.0	96.0	75.8
NORDIC (E)	99.0	83.3	93.0	51.7	83.3	39.3	98.3	81.7	5.3	96.7	96.3	75.3
ABT-HF-4	96.3	86.7	94.7	53.3	66.7	50.0	97.7	73.3	8.7	96.7	97.0	74.6
HERON	99.0	83.3	93.0	65.0	66.7	24.0	93.7	76.7	5.7	97.3	94.7	72.6
SCALDIS II (AHF 008)	94.7	80.0	83.3	65.0	75.0	27.3	93.3	83.3	2.3	96.7	96.7	72.5
OSPREY	90.0	80.0	93.3	56.7	66.7	31.0	97.0	86.3	2.3	96.3	96.0	72.3
PICK FF A-97	93.0	71.7	91.7	58.3	76.7	40.0	87.3	83.3	1.0	94.7	96.0	72.2
BIGHORN	97.7	90.0	96.3	49.0	61.7	27.7	96.0	78.3	3.7	94.7	95.0	71.8
SCALDIS	97.7	70.0	94.7	60.0	70.0	29.3	94.0	81.7	2.3	94.7	92.3	71.5
DEFIANT	76.7	78.3	88.3	68.0	61.7	36.0	97.0	86.7	1.0	96.3	94.7	71.3
ATTILA E	94.7	73.3	93.0	46.7	58.3	48.3	88.0	85.0	5.3	94.7	94.3	71.1
MB-82	96.3	75.0	96.0	45.0	66.7	23.3	95.0	80.0	5.3	96.7	93.7	70.3
LSD VALUE	5.0	17.6	7.9	20.6	27.5	32.1	7.5	14.6	14.8	3.0	4.8	5.1
C.V. (%)	3.3	13.7	5.3	18.9	24.1	43.1	4.9	11.2	139.3	2.0	3.1	13.9

TABLE 20F.

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

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/											
	CO1	IL1	IN1	KY1	MO1	NJ1	NJ2	NS1	OK1	WI1	WI2	MEAN
PST-4MB	99.0	81.7	93.0	76.7	76.7	63.3	95.3	78.3	2.3	96.0	94.3	77.9
MINOTAUR	93.0	80.0	95.0	66.7	73.3	71.7	98.0	80.0	2.3	95.3	94.7	77.3
QUATRO	95.0	78.3	95.0	18.7	78.3	63.3	95.3	86.7	10.7	95.7	94.3	73.8
SR 3200	90.0	68.3	93.3	49.3	46.7	28.3	95.0	75.0	7.0	96.7	93.3	67.5
SR 6000	71.7	50.0	53.3	17.0	66.7	2.3	53.3	53.3	5.0	98.0	98.0	51.7
LSD VALUE	5.6	16.1	15.6	13.6	31.3	24.1	7.8	16.9	12.8	2.8	7.6	4.9
C.V. (%)	3.9	14.0	11.3	18.5	28.5	32.7	5.6	14.0	145.9	1.8	5.0	14.4

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

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

TABLE 21A. FROST TOLERANCE RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/

NAME	MT1	NAME	MT1
ABT-CHW-2	6.0	PICK FRC A-93	5.3
ASR 049	6.0	PST-47TCR	5.3
BAR SCF 8 FUS3	6.0	PST-4HM	5.3
JASPER II	6.0	PST-4MB	5.3
PST-4FR	6.0	SALSA	5.3
SHADOW II	6.0	SEABREEZE	5.3
ABT-HF1	5.7	SRX 3961	5.3
ACF 083	5.7	SRX 52961	5.3
ACF 092	5.7	4001	5.0
AMBASSADOR	5.7	ABT-CHW-1	5.0
ASC 172	5.7	ABT-CHW-3	5.0
BANNER III	5.7	ABT-HF-4	5.0
BAR CF 8 FUS1	5.7	ASC 082	5.0
BAR CHF 8 FUS2	5.7	ASC 087	5.0
CULOMBRA	5.7	BAR HF 8 FUS	5.0
ISI FRR 7	5.7	BIGHORN	5.0
MAGIC	5.7	BOREAL	5.0
OSPREY	5.7	BRIDGEPORT	5.0
PATHFINDER	5.7	BRITTANY	5.0
PICK FRC 4-92	5.7	COMMON CREEPING RED	5.0
PST-EFL	5.7	DEFIANT	5.0
RELIANT II	5.7	DISCOVERY	5.0
SANDPIPER	5.7	HERON	5.0
SHADEMARK	5.7	ISI FL 11	5.0
SR 5100	5.7	ISI FL 12	5.0
TIFFANY	5.7	MB-63	5.0
TREAZURE (E)	5.7	MB-82	5.0
ABT-CR-2	5.3	SCALDIS	5.0
ABT-CR-3	5.3	SHADEMASTER II	5.0
ABT-HF-3	5.3	SRX 52LAV	5.0
AHF 009	5.3	MINOTAUR	4.7
ATILIA E	5.3	OXFORD	4.7
DAWSON E+	5.3	QUATRO	4.7
DGSC 94	5.3	RESCUE 911	4.7
FLORENTINE	5.3	SCALDIS II (AHF 008)	4.7
INTRIGUE	5.3	SR 3200	4.7
ISI FRR 5	5.3	SR 6000	4.7
JAMESTOWN II	5.3	ABT-HF-2	4.3
LONGFELLOW II	5.3		
NORDIC (E)	5.3	LSD VALUE	1.2
PICK FF A-97	5.3	C.V. (%)	14.1

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

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

TABLE 22B. FROST TOLERANCE RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/

NAME	MT1
ABT-CHW-2	6.0
SHADOW II	6.0
ACF 083	5.7
ACF 092	5.7
AMBASSADOR	5.7
BANNER III	5.7
BAR CHF 8 FUS2	5.7
CULOMBRA	5.7
MAGIC	5.7
PICK FRC 4-92	5.7
SANDPIPER	5.7
SR 5100	5.7
TIFFANY	5.7
TREAZURE (E)	5.7
INTRIGUE	5.3
JAMESTOWN II	5.3
LONGFELLOW II	5.3
PICK FRC A-93	5.3
PST-4HM	5.3
ABT-CHW-1	5.0
ABT-CHW-3	5.0
BRIDGEPORT	5.0
BRITTANY	5.0
MB-63	5.0
LSD VALUE	1.1
C.V. (%)	12.7

TABLE 21C. FROST TOLERANCE RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/

NAME	MT1
ASR 049	6.0
BAR SCF 8 FUS3	6.0
DAWSON E+	5.3
SEABREEZE	5.3
LSD VALUE	1.0
C.V. (%)	11.4

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

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

TABLE 21D. FROST TOLERANCE RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/

NAME	MT1
JASPER II	6.0
PST-4FR	6.0
ASC 172	5.7
BAR CF 8 FUS1	5.7
ISI FRR 7	5.7
PATHFINDER	5.7
PST-EFL	5.7
SHADEMARK	5.7
ABT-CR-2	5.3
ABT-CR-3	5.3
DGSC 94	5.3
FLORENTINE	5.3
ISI FRR 5	5.3
PST-47TCR	5.3
SALSA	5.3
SRX 52961	5.3
ASC 082	5.0
ASC 087	5.0
BOREAL	5.0
COMMON CREEPING RED	5.0
SHADEMASTER II	5.0
SRX 52LAV	5.0
LSD VALUE	1.1
C.V. (%)	12.9

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

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

TABLE 21E. FROST TOLERANCE RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/

NAME	MT1
ABT-HF1	5.7
OSPREY	5.7
RELIANT II	5.7
ABT-HF-3	5.3
AHF 009	5.3
ATTILA E	5.3
NORDIC (E)	5.3
PICK FF A-97	5.3
SRX 3961	5.3
4001	5.0
ABT-HF-4	5.0
BAR HF 8 FUS	5.0
BIGHORN	5.0
DEFIANT	5.0
DISCOVERY	5.0
HERON	5.0
ISI FL 11	5.0
ISI FL 12	5.0
MB-82	5.0
SCALDIS	5.0
OXFORD	4.7
RESCUE 911	4.7
SCALDIS II (AHF 008)	4.7
ABT-HF-2	4.3
LSD VALUE	1.4
C.V. (%)	17.1

TABLE 21F. FROST TOLERANCE RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/

NAME	MT1
PST-4MB	5.3
MINOTAUR	4.7
QUATRO	4.7
SR 3200	4.7
SR 6000	4.7
LSD VALUE	0.9
C.V. (%)	12.0

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

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

TABLE 22A. WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	KY1	NJ1	OK1	VA1	MEAN
ACF 083	9.0	7.0	4.7	6.0	6.7
AMBASSADOR	7.3	7.3	4.3	7.3	6.6
INTRIGUE	8.0	6.3	4.3	6.7	6.3
MB-63	8.7	5.3	4.0	7.3	6.3
PICK FRC A-93	7.7	6.3	4.0	7.3	6.3
PST-47TCR	7.0	7.0	4.3	6.7	6.3
ASC 172	9.0	5.3	4.3	6.3	6.3
BRITTANY	8.0	4.7	4.7	7.0	6.1
MAGIC	7.7	5.7	4.3	6.7	6.1
ABT-CHW-2	8.0	6.3	4.0	6.0	6.1
CULOMBRA	7.3	6.0	4.3	6.7	6.1
PICK FRC 4-92	8.3	5.7	4.0	6.3	6.1
SHADEMARK	8.3	6.0	4.0	5.7	6.0
SHADOW II	7.7	6.7	4.0	5.7	6.0
ACF 092	7.0	6.0	4.0	7.0	6.0
ASC 087	8.7	6.3	3.7	5.3	6.0
BAR CF 8 FUS1	7.3	6.0	4.0	6.7	6.0
BAR CHF 8 FUS2	8.3	5.3	4.0	6.3	6.0
ABT-CHW-3	8.0	5.0	4.0	6.7	5.9
ABT-CR-2	7.3	6.7	4.0	5.7	5.9
BANNER III	7.7	6.0	4.0	6.0	5.9
DGSC 94	7.7	6.0	3.7	6.3	5.9
PATHFINDER	7.0	6.7	4.3	5.7	5.9
SR 5100	7.3	5.7	4.0	6.7	5.9
FLORENTINE	7.7	5.3	4.3	6.3	5.9
TIFFANY	7.3	6.3	4.0	6.0	5.9
BRIDGEPORT	7.0	5.7	4.0	6.7	5.8
ASC 082	7.7	6.3	4.0	5.3	5.8
SALSA	7.3	5.0	5.0	6.0	5.8
TREAZURE (E)	7.3	6.0	4.3	5.7	5.8
ISI FRR 5	6.7	6.0	4.0	6.3	5.8
OSPREY	5.3	6.7	4.0	7.0	5.8
PST-4FR	6.7	7.3	4.0	5.0	5.8
SANDPIPER	7.7	5.0	4.3	6.0	5.8
ISI FRR 7	7.7	5.3	4.0	5.7	5.7
SHADEMASTER II	6.7	6.0	4.3	5.7	5.7
LONGFELLOW II	7.3	5.3	4.0	6.0	5.7
JASPER II	6.7	5.7	4.0	6.0	5.6
MB-82	6.7	5.0	4.0	6.7	5.6
BAR HF 8 FUS	5.3	6.3	4.0	6.7	5.6
PST-EFL	7.0	5.3	4.0	5.7	5.5
SRX 52961	6.7	6.0	4.0	5.3	5.5
ABT-CHW-1	6.0	5.0	4.0	6.7	5.4
PICK FF A-97	6.7	4.7	4.0	6.3	5.4

TABLE 22A. WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS
(CONT'D) 1999 DATA

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

NAME	KY1	NJ1	OK1	VA1	MEAN
SRX 52LAV	6.7	5.0	4.0	5.7	5.3
ABT-HF-3	5.3	5.0	4.0	7.0	5.3
QUATRO	7.0	6.3	3.7	4.3	5.3
4001	5.0	5.0	4.0	7.0	5.3
ABT-CR-3	5.7	5.0	4.3	6.0	5.3
DEFIANT	5.3	5.3	4.3	6.0	5.3
ISI FL 12	5.0	5.7	4.0	6.3	5.3
SCALDIS	5.7	5.3	4.0	6.0	5.3
ABT-HF1	5.7	5.0	3.7	6.3	5.2
AHF 009	5.3	4.7	4.0	6.7	5.2
OXFORD	5.0	4.7	4.0	7.0	5.2
PST-4HM	5.7	4.7	4.0	6.3	5.2
ABT-HF-4	5.3	4.3	4.0	6.7	5.1
MINOTAUR	5.0	4.0	4.3	7.0	5.1
ABT-HF-2	5.3	4.7	4.0	6.0	5.0
BAR SCF 8 FUS3	6.0	5.0	3.7	5.3	5.0
PST-4MB	5.7	3.3	4.0	7.0	5.0
SCALDIS II (AHF 008)	5.0	4.0	4.0	7.0	5.0
SRX 3961	5.7	4.0	4.0	6.3	5.0
ASR 049	5.3	4.7	4.0	5.7	4.9
DISCOVERY	5.0	4.0	4.0	6.7	4.9
HERON	5.7	4.7	4.0	5.3	4.9
RELIANT II	5.0	4.7	4.0	6.0	4.9
ISI FL 11	5.0	3.7	4.0	7.0	4.9
JAMESTOWN II	6.3	5.0	3.7	4.7	4.9
NORDIC (E)	5.3	4.3	4.0	6.0	4.9
SR 3200	5.7	3.3	3.7	7.0	4.9
ATTILA E	5.0	4.7	4.0	5.7	4.8
RESCUE 911	5.0	4.0	4.0	6.3	4.8
SEABREEZE	6.7	4.3	4.0	4.0	4.8
COMMON CREEPING RED	5.7	4.7	3.7	4.7	4.7
BOREAL	5.3	5.0	3.7	4.7	4.7
BIGHORN	5.0	3.0	3.7	6.3	4.5
SR 6000	4.0	2.7	4.0	6.7	4.3
DAWSON E+	5.0	4.0	3.7	4.0	4.2
LSD VALUE	1.1	1.2	0.6	1.2	0.5
C.V. (%)	10.1	14.5	8.8	11.7	11.7

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

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

TABLE 22B. WINTER COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

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

NAME	KY1	NJ1	OK1	VA1	MEAN
ACF 083	9.0	7.0	4.7	6.0	6.7
AMBASSADOR	7.3	7.3	4.3	7.3	6.6
INTRIGUE	8.0	6.3	4.3	6.7	6.3
MB-63	8.7	5.3	4.0	7.3	6.3
PICK FRC A-93	7.7	6.3	4.0	7.3	6.3
BRITTANY	8.0	4.7	4.7	7.0	6.1
MAGIC	7.7	5.7	4.3	6.7	6.1
ABT-CHW-2	8.0	6.3	4.0	6.0	6.1
CULOMBRA	7.3	6.0	4.3	6.7	6.1
PICK FRC 4-92	8.3	5.7	4.0	6.3	6.1
SHADOW II	7.7	6.7	4.0	5.7	6.0
ACF 092	7.0	6.0	4.0	7.0	6.0
BAR CHF 8 FUS2	8.3	5.3	4.0	6.3	6.0
ABT-CHW-3	8.0	5.0	4.0	6.7	5.9
BANNER III	7.7	6.0	4.0	6.0	5.9
SR 5100	7.3	5.7	4.0	6.7	5.9
TIFFANY	7.3	6.3	4.0	6.0	5.9
BRIDGEPORT	7.0	5.7	4.0	6.7	5.8
TREAZURE (E)	7.3	6.0	4.3	5.7	5.8
SANDPIPER	7.7	5.0	4.3	6.0	5.8
LONGFELLOW II	7.3	5.3	4.0	6.0	5.7
ABT-CHW-1	6.0	5.0	4.0	6.7	5.4
PST-4HM	5.7	4.7	4.0	6.3	5.2
JAMESTOWN II	6.3	5.0	3.7	4.7	4.9
LSD VALUE	1.2	0.9	0.6	1.1	0.5
C.V. (%)	9.5	10.0	8.6	10.2	9.9

TABLE 22C. WINTER COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	KY1	NJ1	OK1	VA1	MEAN
BAR SCF 8 FUS3	6.0	5.0	3.7	5.3	5.0
ASR 049	5.3	4.7	4.0	5.7	4.9
SEABREEZE	6.7	4.3	4.0	4.0	4.8
DAWSON E+	5.0	4.0	3.7	4.0	4.2
LSD VALUE	0.7	1.9	1.0	1.0	0.6
C.V. (%)	7.1	26.4	16.8	13.6	16.5

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

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

TABLE 22D. WINTER COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	KY1	NJ1	OK1	VA1	MEAN
PST-47TCR	7.0	7.0	4.3	6.7	6.3
ASC 172	9.0	5.3	4.3	6.3	6.3
SHADEMARK	8.3	6.0	4.0	5.7	6.0
ASC 087	8.7	6.3	3.7	5.3	6.0
BAR CF 8 FUS1	7.3	6.0	4.0	6.7	6.0
ABT-CR-2	7.3	6.7	4.0	5.7	5.9
DGSC 94	7.7	6.0	3.7	6.3	5.9
PATHFINDER	7.0	6.7	4.3	5.7	5.9
FLORENTINE	7.7	5.3	4.3	6.3	5.9
ASC 082	7.7	6.3	4.0	5.3	5.8
SALSA	7.3	5.0	5.0	6.0	5.8
ISI FRR 5	6.7	6.0	4.0	6.3	5.8
PST-4FR	6.7	7.3	4.0	5.0	5.8
ISI FRR 7	7.7	5.3	4.0	5.7	5.7
SHADEMASTER II	6.7	6.0	4.3	5.7	5.7
JASPER II	6.7	5.7	4.0	6.0	5.6
PST-EFL	7.0	5.3	4.0	5.7	5.5
SRX 52961	6.7	6.0	4.0	5.3	5.5
SRX 52LAV	6.7	5.0	4.0	5.7	5.3
ABT-CR-3	5.7	5.0	4.3	6.0	5.3
COMMON CREEPING RED	5.7	4.7	3.7	4.7	4.7
BOREAL	5.3	5.0	3.7	4.7	4.7
LSD VALUE	1.4	1.3	0.6	1.2	0.6
C.V. (%)	12.0	13.5	9.6	13.4	12.7

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

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

TABLE 22E. WINTER COLOR RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

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

NAME	KY1	NJ1	OK1	VA1	MEAN
OSPREY	5.3	6.7	4.0	7.0	5.8
MB-82	6.7	5.0	4.0	6.7	5.6
BAR HF 8 FUS	5.3	6.3	4.0	6.7	5.6
PICK FF A-97	6.7	4.7	4.0	6.3	5.4
ABT-HF-3	5.3	5.0	4.0	7.0	5.3
4001	5.0	5.0	4.0	7.0	5.3
DEFIANT	5.3	5.3	4.3	6.0	5.3
ISI FL 12	5.0	5.7	4.0	6.3	5.3
SCALDIS	5.7	5.3	4.0	6.0	5.3
ABT-HF1	5.7	5.0	3.7	6.3	5.2
AHF 009	5.3	4.7	4.0	6.7	5.2
OXFORD	5.0	4.7	4.0	7.0	5.2
ABT-HF-4	5.3	4.3	4.0	6.7	5.1
ABT-HF-2	5.3	4.7	4.0	6.0	5.0
SCALDIS II (AHF 008)	5.0	4.0	4.0	7.0	5.0
SRX 3961	5.7	4.0	4.0	6.3	5.0
DISCOVERY	5.0	4.0	4.0	6.7	4.9
HERON	5.7	4.7	4.0	5.3	4.9
RELIANT II	5.0	4.7	4.0	6.0	4.9
ISI FL 11	5.0	3.7	4.0	7.0	4.9
NORDIC (E)	5.3	4.3	4.0	6.0	4.9
ATTILA E	5.0	4.7	4.0	5.7	4.8
RESCUE 911	5.0	4.0	4.0	6.3	4.8
BIGHORN	5.0	3.0	3.7	6.3	4.5
LSD VALUE	0.7	1.4	0.3	1.2	0.5
C.V. (%)	8.2	17.8	5.1	12.0	12.1

TABLE 22F. WINTER COLOR RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	KY1	NJ1	OK1	VA1	MEAN
QUATRO	7.0	6.3	3.7	4.3	5.3
MINOTAUR	5.0	4.0	4.3	7.0	5.1
PST-4MB	5.7	3.3	4.0	7.0	5.0
SR 3200	5.7	3.3	3.7	7.0	4.9
SR 6000	4.0	2.7	4.0	6.7	4.3
LSD VALUE	0.6	1.1	0.7	0.9	0.4
C.V. (%)	6.7	17.4	11.4	9.0	10.8

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

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

TABLE 23A. DROUGHT TOLERANCE (DORMANCY) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	WA1	NAME	WA1
ABT-CHW-3	9.0	OXFORD	7.0
AMBASSADOR	9.0	SCALDIS	7.0
TREAZURE (E)	9.0	SEABREEZE	7.0
ABT-CHW-1	8.7	ACF 083	6.7
BRIDGEPORT	8.7	ATILIA E	6.7
CULOMBRA	8.7	FLORENTINE	6.7
INTRIGUE	8.7	ISI FL 12	6.7
MB-63	8.7	ISI FRR 7	6.7
PICK FRC A-93	8.7	OSPREY	6.7
SHADOW II	8.7	ABT-HF-4	6.3
ABT-CHW-2	8.3	DEFIANT	6.3
BANNER III	8.3	PST-47TCR	6.3
BAR CHF 8 FUS2	8.3	RELIANT II	6.3
BRITTANY	8.3	BAR CF 8 FUS1	6.0
LONGFELLOW II	8.3	MINOTAUR	6.0
MAGIC	8.3	PST-4HM	6.0
PICK FRC 4-92	8.3	PST-EFL	6.0
SR 5100	8.3	ASC 087	5.7
TIFFANY	8.3	DISCOVERY	5.3
AHF 009	8.0	SHADEMASTER II	5.3
SALSA	8.0	BAR SCF 8 FUS3	5.0
4001	7.7	JASPER II	5.0
ABT-HF1	7.7	RESCUE 911	5.0
JAMESTOWN II	7.7	SRX 3961	5.0
PST-4MB	7.7	ASR 049	4.7
QUATRO	7.7	DGSC 94	4.7
SCALDIS II (AHF 008)	7.7	ISI FRR 5	4.7
ABT-HF-3	7.3	DAWSON E+	4.3
ACF 092	7.3	HERON	4.3
BIGHORN	7.3	ASC 172	4.0
ISI FL 11	7.3	SRX 52961	4.0
PATHFINDER	7.3	SRX 52LAV	4.0
PICK FF A-97	7.3	PST-4FR	3.3
SANDPIPER	7.3	SR 6000	3.3
SR 3200	7.3	SHADEMARK	2.3
ABT-CR-2	7.0	ASC 082	2.0
ABT-CR-3	7.0	BOREAL	2.0
ABT-HF-2	7.0	COMMON CREEPING RED	2.0
BAR HF 8 FUS	7.0		
MB-82	7.0	LSD VALUE	2.3
NORDIC (E)	7.0	C.V. (%)	21.9

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

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

TABLE 23B. DROUGHT TOLERANCE (DORMANCY) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

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

NAME	WA1
ABT-CHW-3	9.0
AMBASSADOR	9.0
TREAZURE (E)	9.0
ABT-CHW-1	8.7
BRIDGEPORT	8.7
CULOMBRA	8.7
INTRIGUE	8.7
MB-63	8.7
PICK FRC A-93	8.7
SHADOW II	8.7
ABT-CHW-2	8.3
BANNER III	8.3
BAR CHF 8 FUS2	8.3
BRITTANY	8.3
LONGFELLOW II	8.3
MAGIC	8.3
PICK FRC 4-92	8.3
SR 5100	8.3
TIFFANY	8.3
JAMESTOWN II	7.7
ACF 092	7.3
SANDPIPER	7.3
ACF 083	6.7
PST-4HM	6.0
LSD VALUE	1.4
C.V. (%)	10.7

TABLE 23C. DROUGHT TOLERANCE (DORMANCY) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	WA1
SEABREEZE	7.0
BAR SCF 8 FUS3	5.0
ASR 049	4.7
DAWSON E+	4.3
LSD VALUE	3.0
C.V. (%)	35.2

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

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

TABLE 23D. DROUGHT TOLERANCE (DORMANCY) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	WA1
SALSA	8.0
PATHFINDER	7.3
ABT-CR-2	7.0
ABT-CR-3	7.0
FLORENTINE	6.7
ISI FRR 7	6.7
PST-47TCR	6.3
BAR CF 8 FUS1	6.0
PST-EFL	6.0
ASC 087	5.7
SHADEMASTER II	5.3
JASPER II	5.0
DGSC 94	4.7
ISI FRR 5	4.7
ASC 172	4.0
SRX 52961	4.0
SRX 52LAV	4.0
PST-4FR	3.3
SHADEMARK	2.3
ASC 082	2.0
BOREAL	2.0
COMMON CREEPING RED	2.0
LSD VALUE	3.0
C.V. (%)	36.8

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

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

TABLE 23E. DROUGHT TOLERANCE (DORMANCY) RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

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

NAME	WA1
AHF 009	8.0
4001	7.7
ABT-HF1	7.7
SCALDIS II (AHF 008)	7.7
ABT-HF-3	7.3
BIGHORN	7.3
ISI FL 11	7.3
PICK FF A-97	7.3
ABT-HF-2	7.0
BAR HF 8 FUS	7.0
MB-82	7.0
NORDIC (E)	7.0
OXFORD	7.0
SCALDIS	7.0
ATTILA E	6.7
ISI FL 12	6.7
OSPREY	6.7
ABT-HF-4	6.3
DEFIANT	6.3
RELIANT II	6.3
DISCOVERY	5.3
RESCUE 911	5.0
SRX 3961	5.0
HERON	4.3
LSD VALUE	2.2
C.V. (%)	20.4

TABLE 23F. DROUGHT TOLERANCE (DORMANCY) RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	WA1
PST-4MB	7.7
QUATRO	7.7
SR 3200	7.3
MINOTAUR	6.0
SR 6000	3.3
LSD VALUE	2.6
C.V. (%)	25.5

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

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

TABLE 24A. MICRODOCHIUM PATCH RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN	NAME	ME1	ME2	MEAN
ABT-HF-3	8.7	9.0	8.8	SHADEMARK	6.7	8.3	7.5
DGSC 94	8.7	8.3	8.5	TIFFANY	7.7	7.3	7.5
ABT-HF-2	8.3	8.3	8.3	ABT-CHW-2	8.0	6.7	7.3
ABT-HF-4	8.0	8.7	8.3	ABT-CR-3	6.7	8.0	7.3
SEABREEZE	8.0	8.7	8.3	BAR CHF 8 FUS2	6.7	8.0	7.3
ABT-HF1	8.0	8.3	8.2	CULOMBRA	8.3	6.3	7.3
JAMESTOWN II	8.0	8.3	8.2	FLORENTINE	7.7	7.0	7.3
MINOTAUR	8.3	8.0	8.2	ISI FRR 7	7.7	7.0	7.3
SALSA	8.0	8.3	8.2	OXFORD	7.7	7.0	7.3
SR 6000	8.0	8.3	8.2	SHADOW II	7.7	7.0	7.3
PICK FRC A-93	8.7	7.7	8.2	PICK FRC 4-92	7.3	7.3	7.3
SR 5100	7.7	8.7	8.2	TREAZURE (E)	7.3	7.3	7.3
ACF 083	7.7	8.3	8.0	ISI FL 11	6.7	7.7	7.2
ACF 092	8.3	7.7	8.0	ATTILA E	7.0	7.3	7.2
BIGHORN	7.7	8.3	8.0	BAR SCF 8 FUS3	7.3	7.0	7.2
BRITTANY	7.7	8.3	8.0	ISI FRR 5	7.0	7.3	7.2
SHADEMASTER II	7.7	8.3	8.0	MAGIC	7.0	7.3	7.2
SR 3200	8.0	8.0	8.0	BAR CF 8 FUS1	6.3	7.7	7.0
ASR 049	9.0	6.7	7.8	BOREAL	7.7	6.3	7.0
COMMON CREEPING RED	7.7	8.0	7.8	CSPREY	7.0	7.0	7.0
MB-63	7.3	8.3	7.8	PST-4MB	6.7	7.3	7.0
PATHFINDER	8.3	7.3	7.8	QUATRO	6.0	8.0	7.0
SRX 3961	7.7	8.0	7.8	RELIANT II	7.3	6.7	7.0
4001	7.7	7.7	7.7	BANNER III	8.3	5.3	6.8
ISI FL 12	7.7	7.7	7.7	INTRIGUE	6.7	7.0	6.8
PST-EFL	8.3	7.0	7.7	PST-4FR	6.7	7.0	6.8
BRIDGEPORT	7.3	8.0	7.7	SANDPIPER	5.7	8.0	6.8
DEFIANT	7.3	8.0	7.7	SRX 52LAV	7.0	6.7	6.8
PICK FF A-97	8.0	7.3	7.7	JASPER II	7.3	6.3	6.8
SRX 52961	8.0	7.3	7.7	LONGFELLOW II	7.3	6.3	6.8
ABT-CHW-1	7.3	7.7	7.5	PST-47TCR	7.3	6.3	6.8
ABT-CHW-3	7.7	7.3	7.5	ABT-CR-2	6.7	6.7	6.7
AMBASSADOR	8.0	7.0	7.5	SCALDIS II (AHF 008)	6.3	7.0	6.7
ASC 087	7.0	8.0	7.5	AHF 009	6.0	7.0	6.5
BAR HF 8 FUS	7.0	8.0	7.5	ASC 082	6.0	6.7	6.3
DAWSON E+	7.0	8.0	7.5	PST-4HM	5.3	7.3	6.3
DISCOVERY	7.7	7.3	7.5	MB-82	6.3	5.7	6.0
HERON	8.0	7.0	7.5	ASC 172	5.0	5.7	5.3
NORDIC (E)	8.3	6.7	7.5				
RESCUE 911	7.0	8.0	7.5	LSD VALUE	2.3	1.8	1.5
SCALDIS	8.0	7.0	7.5	C.V. (%)	19.6	14.9	17.4

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

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

TABLE 24B. MICRODOCHIUM PATCH RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
JAMESTOWN II	8.0	8.3	8.2
PICK FRC A-93	8.7	7.7	8.2
SR 5100	7.7	8.7	8.2
ACF 083	7.7	8.3	8.0
ACF 092	8.3	7.7	8.0
BRITTANY	7.7	8.3	8.0
MB-63	7.3	8.3	7.8
BRIDGEPORT	7.3	8.0	7.7
ABT-CHW-1	7.3	7.7	7.5
ABT-CHW-3	7.7	7.3	7.5
AMBASSADOR	8.0	7.0	7.5
TIFFANY	7.7	7.3	7.5
ABT-CHW-2	8.0	6.7	7.3
BAR CHF 8 FUS2	6.7	8.0	7.3
CULOMBRA	8.3	6.3	7.3
SHADOW II	7.7	7.0	7.3
PICK FRC 4-92	7.3	7.3	7.3
TREAZURE (E)	7.3	7.3	7.3
MAGIC	7.0	7.3	7.2
BANNER III	8.3	5.3	6.8
INTRIGUE	6.7	7.0	6.8
SANDPIPER	5.7	8.0	6.8
LONGFELLOW II	7.3	6.3	6.8
PST-4HM	5.3	7.3	6.3
LSD VALUE	2.4	1.7	1.5
C.V. (%)	19.7	14.5	17.3

TABLE 24C. MICRODOCHIUM PATCH RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
SEABREEZE	8.0	8.7	8.3
ASR 049	9.0	6.7	7.8
DAWSON E+	7.0	8.0	7.5
BAR SCF 8 FUS3	7.3	7.0	7.2
LSD VALUE	1.9	1.3	1.1
C.V. (%)	14.7	10.8	13.0

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

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

TABLE 24D. MICRODOCHIUM PATCH RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
DGSC 94	8.7	8.3	8.5
SALSA	8.0	8.3	8.2
SHADEMASTER II	7.7	8.3	8.0
COMMON CREEPING RED	7.7	8.0	7.8
PATHFINDER	8.3	7.3	7.8
PST-EFL	8.3	7.0	7.7
SRX 52961	8.0	7.3	7.7
ASC 087	7.0	8.0	7.5
SHADEMARK	6.7	8.3	7.5
ABT-CR-3	6.7	8.0	7.3
FLORENTINE	7.7	7.0	7.3
ISI FRR 7	7.7	7.0	7.3
ISI FRR 5	7.0	7.3	7.2
BAR CF 8 FUS1	6.3	7.7	7.0
BOREAL	7.7	6.3	7.0
PST-4FR	6.7	7.0	6.8
SRX 52LAV	7.0	6.7	6.8
JASPER II	7.3	6.3	6.8
PST-47TCR	7.3	6.3	6.8
ABT-CR-2	6.7	6.7	6.7
ASC 082	6.0	6.7	6.3
ASC 172	5.0	5.7	5.3
LSD VALUE	2.2	1.8	1.4
C.V. (%)	19.3	15.5	17.5

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

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

TABLE 24E. MICRODOCHIUM PATCH RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
ABT-HF-3	8.7	9.0	8.8
ABT-HF-2	8.3	8.3	8.3
ABT-HF-4	8.0	8.7	8.3
ABT-HF1	8.0	8.3	8.2
BIGHORN	7.7	8.3	8.0
SRX 3961	7.7	8.0	7.8
4001	7.7	7.7	7.7
ISI FL 12	7.7	7.7	7.7
DEFIANT	7.3	8.0	7.7
PICK FF A-97	8.0	7.3	7.7
BAR HF 8 FUS	7.0	8.0	7.5
DISCOVERY	7.7	7.3	7.5
HERON	8.0	7.0	7.5
NORDIC (E)	8.3	6.7	7.5
RESCUE 911	7.0	8.0	7.5
SCALDIS	8.0	7.0	7.5
OXFORD	7.7	7.0	7.3
ISI FL 11	6.7	7.7	7.2
ATTILA E	7.0	7.3	7.2
OSPREY	7.0	7.0	7.0
RELIANT II	7.3	6.7	7.0
SCALDIS II (AHF 008)	6.3	7.0	6.7
AHF 009	6.0	7.0	6.5
MB-82	6.3	5.7	6.0
LSD VALUE	2.5	1.8	1.5
C.V. (%)	20.6	14.9	18.0

TABLE 24F. MICRODOCHIUM PATCH RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
MINOTAUR	8.3	8.0	8.2
SR 6000	8.0	8.3	8.2
SR 3200	8.0	8.0	8.0
PST-4MB	6.7	7.3	7.0
QUATRO	6.0	8.0	7.0
LSD VALUE	2.2	2.1	1.5
C.V. (%)	18.8	16.6	17.7

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

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

TABLE 25A. LEAF SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	ME1	ME2	NJ1	NJ2	MEAN
ABT-HF1	8.3	8.7	6.3	6.3	7.4
ABT-HF-4	7.7	8.7	6.3	6.3	7.3
ABT-CHW-3	6.7	9.0	5.3	7.5	7.1
4001	7.3	8.7	6.0	6.3	7.1
AMBASSADOR	7.3	9.0	4.7	7.3	7.1
INTRIGUE	7.0	8.7	4.3	7.7	6.9
SHADOW II	6.3	8.7	5.0	7.7	6.9
NORDIC (E)	7.7	8.3	4.7	6.7	6.8
PST-4MB	6.3	8.3	6.7	6.0	6.8
BANNER III	7.3	9.0	4.7	6.0	6.8
MB-82	7.7	8.7	4.7	6.0	6.8
PICK FRC A-93	6.0	8.7	4.3	8.0	6.8
SRX 3961	7.3	7.0	6.0	6.7	6.8
ABT-CHW-2	7.0	8.0	5.0	6.7	6.7
ABT-HF-3	7.0	6.3	6.3	6.7	6.6
SCALDIS	6.7	8.7	6.3	4.7	6.6
RESCUE 911	7.7	7.3	5.7	5.0	6.4
LONGFELLOW II	6.0	7.3	4.3	8.0	6.4
ABT-HF-2	7.0	8.3	4.7	5.3	6.3
AHF 009	6.3	8.0	4.3	6.7	6.3
OSPREY	6.0	9.0	5.3	5.0	6.3
OXFORD	7.0	8.0	5.0	5.3	6.3
ACF 092	4.3	8.7	4.7	7.3	6.3
TREAZURE (E)	5.7	8.7	4.3	6.3	6.3
CULOMBRA	5.3	9.0	3.7	6.7	6.2
DISCOVERY	7.7	8.0	4.3	4.7	6.2
PICK FRC 4-92	6.0	9.0	3.7	6.0	6.2
SCALDIS II (AHF 008)	6.7	7.3	4.0	6.7	6.2
BAR CHF 8 FUS2	6.3	9.0	4.0	5.3	6.2
BIGHORN	5.7	5.7	6.0	7.0	6.1
MINOTAUR	6.7	5.7	5.3	6.7	6.1
ABT-CHW-1	6.3	7.7	5.0	5.3	6.1
MAGIC	4.7	9.0	3.7	6.7	6.0
TIFFANY	7.3	9.0	2.7	5.0	6.0
BAR HF 8 FUS	6.7	8.7	3.7	4.7	5.9
DEFIANT	6.0	8.7	4.3	4.7	5.9
ISI FL 12	6.7	8.7	3.3	5.0	5.9
JASPER II	5.7	8.0	4.0	5.7	5.8
PICK FF A-97	7.7	6.7	4.7	4.3	5.8
MB-63	6.7	7.3	3.3	5.7	5.8
RELIANT II	6.7	7.3	3.7	5.3	5.8
SANDPIPER	6.0	9.0	3.3	4.7	5.8
SR 3200	5.3	8.7	5.0	4.0	5.8
HERON	7.3	7.3	4.0	4.3	5.8

TABLE 25A. LEAF SPOT RATINGS OF FINELEAF FESCUE CULTIVARS
(CONT'D) 1999 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE					
NAME	ME1	ME2	NJ1	NJ2	MEAN
ACF 083	5.3	8.7	3.3	5.3	5.7
BRITTANY	5.3	7.0	4.3	6.0	5.7
BRIDGEPORT	5.0	8.7	3.7	5.0	5.6
ISI FRR 5	4.7	9.0	3.3	5.3	5.6
SR 5100	5.0	9.0	3.3	5.0	5.6
SR 6000	3.7	4.0	6.0	8.7	5.6
ATTILA E	7.3	7.0	3.7	4.0	5.5
BAR SCF 8 FUS3	5.7	9.0	3.3	4.0	5.5
ABT-CR-2	5.7	6.0	4.0	6.0	5.4
ISI FL 11	6.7	5.7	4.0	5.3	5.4
ISI FRR 7	5.7	7.3	3.7	5.0	5.4
PST-4HM	6.0	7.0	4.0	4.7	5.4
PST-47TCR	5.3	7.3	2.7	5.7	5.3
ASR 049	6.0	8.0	3.7	3.0	5.2
JAMESTOWN II	5.0	9.0	3.7	3.0	5.2
PST-4FR	6.0	7.7	2.7	4.3	5.2
SEABREEZE	4.3	9.0	3.3	4.0	5.2
SRX 52961	5.0	7.3	3.0	5.3	5.2
ABT-CR-3	4.7	6.0	3.3	6.3	5.1
FLORENTINE	5.3	8.0	2.0	4.3	4.9
BAR CF 8 FUS1	5.0	6.7	2.3	5.3	4.8
PST-EFL	5.7	6.0	3.0	4.7	4.8
DGSC 94	4.3	7.3	2.3	4.7	4.7
PATHFINDER	5.0	6.7	3.0	4.0	4.7
SHADEMASTER II	5.7	6.0	2.7	4.3	4.7
ASC 087	4.7	7.3	2.7	4.0	4.7
QUATRO	5.0	7.3	3.7	2.0	4.5
ASC 082	4.3	4.3	3.3	5.7	4.4
SALSA	4.7	8.0	2.0	2.7	4.3
ASC 172	4.0	3.0	3.3	6.3	4.2
SRX 52LAV	4.0	5.7	2.0	4.3	4.0
DAWSON E+	3.3	5.3	3.3	2.3	3.6
COMMON CREEPING RED	2.7	5.0	3.3	1.3	3.1
BOREAL	3.3	4.3	2.7	2.0	3.1
SHADEMARK	3.0	4.7	2.0	2.3	3.0
LSD VALUE	2.1	3.3	1.3	1.7	1.1
C.V. (%)	21.7	26.8	19.8	19.7	24.0

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

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

TABLE 25B. LEAF SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	ME1	ME2	NJ1	NJ2	MEAN
ABT-CHW-3	6.7	9.0	5.3	7.5	7.1
AMBASSADOR	7.3	9.0	4.7	7.3	7.1
INTRIGUE	7.0	8.7	4.3	7.7	6.9
SHADOW II	6.3	8.7	5.0	7.7	6.9
BANNER III	7.3	9.0	4.7	6.0	6.8
PICK FRC A-93	6.0	8.7	4.3	8.0	6.8
ABT-CHW-2	7.0	8.0	5.0	6.7	6.7
LONGFELLOW II	6.0	7.3	4.3	8.0	6.4
ACF 092	4.3	8.7	4.7	7.3	6.3
TREAZURE (E)	5.7	8.7	4.3	6.3	6.3
CULOMBRA	5.3	9.0	3.7	6.7	6.2
PICK FRC 4-92	6.0	9.0	3.7	6.0	6.2
BAR CHF 8 FUS2	6.3	9.0	4.0	5.3	6.2
ABT-CHW-1	6.3	7.7	5.0	5.3	6.1
MAGIC	4.7	9.0	3.7	6.7	6.0
TIFFANY	7.3	9.0	2.7	5.0	6.0
MB-63	6.7	7.3	3.3	5.7	5.8
SANDPIPER	6.0	9.0	3.3	4.7	5.8
ACF 083	5.3	8.7	3.3	5.3	5.7
BRITTANY	5.3	7.0	4.3	6.0	5.7
BRIDGEPORT	5.0	8.7	3.7	5.0	5.6
SR 5100	5.0	9.0	3.3	5.0	5.6
PST-4HM	6.0	7.0	4.0	4.7	5.4
JAMESTOWN II	5.0	9.0	3.7	3.0	5.2
LSD VALUE	1.9	2.1	1.4	1.5	0.9
C.V. (%)	19.7	15.1	20.7	15.0	17.4

TABLE 25C. LEAF SPOT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	ME1	ME2	NJ1	NJ2	MEAN
BAR SCF 8 FUS3	5.7	9.0	3.3	4.0	5.5
ASR 049	6.0	8.0	3.7	3.0	5.2
SEABREEZE	4.3	9.0	3.3	4.0	5.2
DAWSON E+	3.3	5.3	3.3	2.3	3.6
LSD VALUE	1.4	1.9	0.9	1.7	0.8
C.V. (%)	17.9	14.7	16.9	31.2	19.3

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

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

TABLE 25D. LEAF SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/					
NAME	ME1	ME2	NJ1	NJ2	MEAN
JASPER II	5.7	8.0	4.0	5.7	5.8
ISI FRR 5	4.7	9.0	3.3	5.3	5.6
ABT-CR-2	5.7	6.0	4.0	6.0	5.4
ISI FRR 7	5.7	7.3	3.7	5.0	5.4
PST-47TCR	5.3	7.3	2.7	5.7	5.3
PST-4FR	6.0	7.7	2.7	4.3	5.2
SRX 52961	5.0	7.3	3.0	5.3	5.2
ABT-CR-3	4.7	6.0	3.3	6.3	5.1
FLORENTINE	5.3	8.0	2.0	4.3	4.9
BAR CF 8 FUS1	5.0	6.7	2.3	5.3	4.8
PST-EFL	5.7	6.0	3.0	4.7	4.8
DGSC 94	4.3	7.3	2.3	4.7	4.7
PATHFINDER	5.0	6.7	3.0	4.0	4.7
SHADEMASTER II	5.7	6.0	2.7	4.3	4.7
ASC 087	4.7	7.3	2.7	4.0	4.7
ASC 082	4.3	4.3	3.3	5.7	4.4
SALSA	4.7	8.0	2.0	2.7	4.3
ASC 172	4.0	3.0	3.3	6.3	4.2
SRX 52LAV	4.0	5.7	2.0	4.3	4.0
COMMON CREEPING RED	2.7	5.0	3.3	1.3	3.1
BOREAL	3.3	4.3	2.7	2.0	3.1
SHADEMARK	3.0	4.7	2.0	2.3	3.0
LSD VALUE	1.9	4.0	0.9	1.4	1.2
C.V. (%)	25.0	38.3	18.6	19.2	31.4

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

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

TABLE 25E. LEAF SPOT RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/					
NAME	ME1	ME2	NJ1	NJ2	MEAN
ABT-HF1	8.3	8.7	6.3	6.3	7.4
ABT-HF-4	7.7	8.7	6.3	6.3	7.3
4001	7.3	8.7	6.0	6.3	7.1
NORDIC (E)	7.7	8.3	4.7	6.7	6.8
MB-82	7.7	8.7	4.7	6.0	6.8
SRX 3961	7.3	7.0	6.0	6.7	6.8
ABT-HF-3	7.0	6.3	6.3	6.7	6.6
SCALDIS	6.7	8.7	6.3	4.7	6.6
RESCUE 911	7.7	7.3	5.7	5.0	6.4
ABT-HF-2	7.0	8.3	4.7	5.3	6.3
AHF 009	6.3	8.0	4.3	6.7	6.3
OSPREY	6.0	9.0	5.3	5.0	6.3
OXFORD	7.0	8.0	5.0	5.3	6.3
DISCOVERY	7.7	8.0	4.3	4.7	6.2
SCALDIS II (AHF 008)	6.7	7.3	4.0	6.7	6.2
BIGHORN	5.7	5.7	6.0	7.0	6.1
BAR HF 8 FUS	6.7	8.7	3.7	4.7	5.9
DEFIANT	6.0	8.7	4.3	4.7	5.9
ISI FL 12	6.7	8.7	3.3	5.0	5.9
PICK FF A-97	7.7	6.7	4.7	4.3	5.8
RELIANT II	6.7	7.3	3.7	5.3	5.8
HERON	7.3	7.3	4.0	4.3	5.8
ATTILA E	7.3	7.0	3.7	4.0	5.5
ISI FL 11	6.7	5.7	4.0	5.3	5.4
LSD VALUE	2.2	3.4	1.6	2.0	1.2
C.V. (%)	19.1	27.1	20.3	22.7	23.6

TABLE 25F. LEAF SPOT RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/					
NAME	ME1	ME2	NJ1	NJ2	MEAN
PST-4MB	6.3	8.3	6.7	6.0	6.8
MINOTAUR	6.7	5.7	5.3	6.7	6.1
SR 3200	5.3	8.7	5.0	4.0	5.8
SR 6000	3.7	4.0	6.0	8.7	5.6
QUATRO	5.0	7.3	3.7	2.0	4.5
LSD VALUE	3.0	4.5	1.0	2.0	1.5
C.V. (%)	34.5	40.7	11.9	22.7	31.4

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

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

TABLE 26A. DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	PA1	NAME	PA1
SR 6000	9.0	RESCUE 911	7.0
ABT-HF1	8.0	SR 3200	7.0
AHF 009	8.0	SR 5100	7.0
ATTILA E	8.0	ACF 083	6.7
INTRIGUE	8.0	DISCOVERY	6.7
MB-82	8.0	ABT-CR-2	6.3
NORDIC (E)	8.0	ABT-CR-3	6.3
OSPREY	8.0	ACF 092	6.3
PICK FF A-97	8.0	BANNER III	6.3
PST-4HM	8.0	BAR SCF 8 FUS3	6.3
SCALDIS II (AHF 008)	8.0	BRIDGEPORT	6.3
SRX 3961	8.0	PATHFINDER	6.3
SRX 52961	8.0	PICK FRC A-93	6.3
4001	7.7	PST-47TCR	6.3
ABT-CHW-1	7.7	TIFFANY	6.3
ABT-CHW-2	7.7	BRITTANY	6.0
ABT-HF-3	7.7	CULOMBRA	6.0
ABT-HF-4	7.7	DGSC 94	6.0
BAR HF 8 FUS	7.7	FLORENTINE	6.0
ISI FL 12	7.7	MB-63	6.0
OXFORD	7.7	SANDPIPER	6.0
PST-EFL	7.7	SHADOW II	6.0
RELIANT II	7.7	ASC 087	5.7
SCALDIS	7.7	BAR CF 8 FUS1	5.7
TREAZURE (E)	7.7	BAR CHF 8 FUS2	5.7
ABT-CHW-3	7.3	SHADEMASTER II	5.7
ABT-HF-2	7.3	SRX 52LAV	5.7
BIGHORN	7.3	JAMESTOWN II	5.3
HERON	7.3	QUATRO	5.3
ISI FL 11	7.3	SALSA	5.3
ISI FRR 5	7.3	COMMON CREEPING RED	5.0
LONGFELLOW II	7.3	SEABREEZE	5.0
MINOTAUR	7.3	SHADEMARK	5.0
PST-4MB	7.3	BOREAL	4.3
AMBASSADOR	7.0	MAGIC	4.3
ASR 049	7.0	PICK FRC 4-92	4.3
DAWSON E+	7.0	ASC 082	4.0
DEFIANT	7.0	ASC 172	4.0
ISI FRR 7	7.0		
JASPER II	7.0	LSD VALUE	1.3
PST-4FR	7.0	C.V. (%)	12.1

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

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

TABLE 26B. DOLLAR SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	PA1
INTRIGUE	8.0
PST-4HM	8.0
ABT-CHW-1	7.7
ABT-CHW-2	7.7
TREAZURE (E)	7.7
ABT-CHW-3	7.3
LONGFELLOW II	7.3
AMBASSADOR	7.0
SR 5100	7.0
ACF 083	6.7
ACF 092	6.3
BANNER III	6.3
BRIDGEPORT	6.3
PICK FRC A-93	6.3
TIFFANY	6.3
BRITTANY	6.0
CULOMBRA	6.0
MB-63	6.0
SANDPIPER	6.0
SHADOW II	6.0
BAR CHF 8 FUS2	5.7
JAMESTOWN II	5.3
MAGIC	4.3
PICK FRC 4-92	4.3
LSD VALUE	1.3
C.V. (%)	12.2

TABLE 26C. DOLLAR SPOT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	PA1
ASR 049	7.0
DAWSON E+	7.0
BAR SCF 8 FUS3	6.3
SEABREEZE	5.0
LSD VALUE	1.7
C.V. (%)	16.4

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

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

TABLE 26D. DOLLAR SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	PA1
SRX 52961	8.0
PST-EFL	7.7
ISI FRR 5	7.3
ISI FRR 7	7.0
JASPER II	7.0
PST-4FR	7.0
ABT-CR-2	6.3
ABT-CR-3	6.3
PATHFINDER	6.3
PST-47TCR	6.3
DGSC 94	6.0
FLORENTINE	6.0
ASC 087	5.7
BAR CF 8 FUS1	5.7
SHADEMASTER II	5.7
SRX 52LAV	5.7
SALSA	5.3
COMMON CREEPING RED	5.0
SHADEMARK	5.0
BOREAL	4.3
ASC 082	4.0
ASC 172	4.0
LSD VALUE	1.7
C.V. (%)	17.5

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

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

TABLE 26E. DOLLAR SPOT RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	PA1
ABT-HF1	8.0
AHF 009	8.0
ATTILA E	8.0
MB-82	8.0
NORDIC (E)	8.0
OSPREY	8.0
PICK FF A-97	8.0
SCALDIS II (AHF 008)	8.0
SRX 3961	8.0
4001	7.7
ABT-HF-3	7.7
ABT-HF-4	7.7
BAR HF 8 FUS	7.7
ISI FL 12	7.7
OXFORD	7.7
RELIANT II	7.7
SCALDIS	7.7
ABT-HF-2	7.3
BIGHORN	7.3
HERON	7.3
ISI FL 11	7.3
DEFIANT	7.0
RESCUE 911	7.0
DISCOVERY	6.7
LSD VALUE	0.9
C.V. (%)	7.2

TABLE 26F. DOLLAR SPOT RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	PA1
SR 6000	9.0
MINOTAUR	7.3
PST-4MB	7.3
SR 3200	7.0
QUATRO	5.3
LSD VALUE	1.0
C.V. (%)	8.8

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

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

TABLE 27A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN	NAME	ME1	ME2	MEAN
4001	7.3	8.0	7.7	SEABREEZE	6.3	6.0	6.2
SCALDIS II (AHF 008)	8.7	6.7	7.7	DEFIANT	6.0	6.0	6.0
ISI FL 12	7.0	8.0	7.5	HERON	6.3	5.7	6.0
LONGFELLOW II	7.0	7.7	7.3	ISI FRR 7	6.3	5.7	6.0
PICK FF A-97	6.7	8.0	7.3	RESCUE 911	6.0	6.0	6.0
RELIANT II	8.3	6.3	7.3	SCALDIS	7.0	5.0	6.0
ABT-HF1	7.3	7.3	7.3	SRX 52961	5.3	6.7	6.0
AHF 009	7.3	7.3	7.3	TIFFANY	6.7	5.3	6.0
ISI FL 11	7.3	7.3	7.3	TREAZURE (E)	6.0	6.0	6.0
ABT-CHW-3	7.7	6.7	7.2	ACF 083	5.7	6.0	5.8
ATTILA E	7.7	6.7	7.2	PICK FRC A-93	5.0	6.7	5.8
FLORENTINE	7.7	6.7	7.2	PST-47TCR	5.7	6.0	5.8
MINOTAUR	7.0	7.3	7.2	PST-EFL	6.7	5.0	5.8
OXFORD	7.0	7.3	7.2	ABT-CHW-2	6.7	4.3	5.5
AMBASSADOR	7.0	7.0	7.0	SR 3200	6.7	4.3	5.5
BAR HF 8 FUS	7.3	6.7	7.0	ABT-CR-2	6.0	4.7	5.3
ABT-HF-2	8.3	5.3	6.8	ASC 172	6.0	4.7	5.3
BRITTANY	6.7	7.0	6.8	SHADOW II	7.7	3.0	5.3
ABT-HF-4	8.7	5.0	6.8	ASC 087	5.3	5.3	5.3
PST-4FR	6.3	7.3	6.8	BRIDGEPORT	5.3	5.3	5.3
PST-4HM	7.3	6.3	6.8	SHADEMARK	5.3	5.3	5.3
DGSC 94	6.7	6.7	6.7	ACF 092	5.3	5.0	5.2
MB-82	6.7	6.7	6.7	ASC 082	5.0	5.3	5.2
PST-4MB	7.7	5.7	6.7	PATHFINDER	5.0	5.3	5.2
ABT-HF-3	7.0	6.3	6.7	ISI FRR 5	4.0	6.0	5.0
BIGHORN	7.0	6.3	6.7	MB-63	5.7	4.3	5.0
NORDIC (E)	7.0	6.3	6.7	OSPREY	5.0	5.0	5.0
ABT-CHW-1	6.3	6.7	6.5	SR 5100	5.3	4.7	5.0
SRX 3961	6.7	6.3	6.5	QUATRO	5.0	4.7	4.8
BANNER III	7.7	5.0	6.3	JAMESTOWN II	5.3	4.0	4.7
BAR CF 8 FUS1	7.0	5.7	6.3	ASR 049	5.0	4.0	4.5
CULOMBRA	6.0	6.7	6.3	BAR SCF 8 FUS3	5.7	3.3	4.5
MAGIC	6.7	6.0	6.3	SANDPIPER	4.3	4.3	4.3
PICK FRC 4-92	7.0	5.7	6.3	SRX 52LAV	4.0	3.7	3.8
SHADEMASTER II	7.3	5.3	6.3	BOREAL	3.7	3.7	3.7
DISCOVERY	6.7	5.7	6.2	COMMON CREEPING RED	3.3	2.7	3.0
INTRIGUE	6.7	5.7	6.2	SR 6000	3.0	3.0	3.0
ABT-CR-3	7.3	5.0	6.2	DAWSON E+	3.0	2.3	2.7
BAR CHF 8 FUS2	6.0	6.3	6.2				
JASPER II	6.3	6.0	6.2	LSD VALUE	2.7	2.9	2.0
SALSA	6.0	6.3	6.2	C.V. (%)	26.3	31.4	28.7

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

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

TABLE 27B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
LONGFELLOW II	7.0	7.7	7.3
ABT-CHW-3	7.7	6.7	7.2
AMBASSADOR	7.0	7.0	7.0
BRITTANY	6.7	7.0	6.8
PST-4HM	7.3	6.3	6.8
ABT-CHW-1	6.3	6.7	6.5
BANNER III	7.7	5.0	6.3
CULOMBRA	6.0	6.7	6.3
MAGIC	6.7	6.0	6.3
PICK FRC 4-92	7.0	5.7	6.3
INTRIGUE	6.7	5.7	6.2
BAR CHF 8 FUS2	6.0	6.3	6.2
TIFFANY	6.7	5.3	6.0
TREASURE (E)	6.0	6.0	6.0
ACF 083	5.7	6.0	5.8
PICK FRC A-93	5.0	6.7	5.8
ABT-CHW-2	6.7	4.3	5.5
SHADOW II	7.7	3.0	5.3
BRIDGEPORT	5.3	5.3	5.3
ACF 092	5.3	5.0	5.2
MB-63	5.7	4.3	5.0
SR 5100	5.3	4.7	5.0
JAMESTOWN II	5.3	4.0	4.7
SANDPIPER	4.3	4.3	4.3
LSD VALUE	2.5	2.6	1.8
C.V. (%)	25.1	28.2	26.5

TABLE 27C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
SEABREEZE	6.3	6.0	6.2
ASR 049	5.0	4.0	4.5
BAR SCF 8 FUS3	5.7	3.3	4.5
DAWSON E+	3.0	2.3	2.7
LSD VALUE	3.3	1.9	1.9
C.V. (%)	40.8	30.4	37.5

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

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

TABLE 27D. BROWN PATCH (WARM TEMPERATURE) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
FLORENTINE	7.7	6.7	7.2
PST-4FR	6.3	7.3	6.8
DGSC 94	6.7	6.7	6.7
BAR CF 8 FUS1	7.0	5.7	6.3
SHADEMASTER II	7.3	5.3	6.3
ABT-CR-3	7.3	5.0	6.2
JASPER II	6.3	6.0	6.2
SALSA	6.0	6.3	6.2
ISI FRR 7	6.3	5.7	6.0
SRX 52961	5.3	6.7	6.0
PST-47TCR	5.7	6.0	5.8
PST-EFL	6.7	5.0	5.8
ABT-CR-2	6.0	4.7	5.3
ASC 172	6.0	4.7	5.3
ASC 087	5.3	5.3	5.3
SHADEMARK	5.3	5.3	5.3
ASC 082	5.0	5.3	5.2
PATHFINDER	5.0	5.3	5.2
ISI FRR 5	4.0	6.0	5.0
SRX 52LAV	4.0	3.7	3.8
BOREAL	3.7	3.7	3.7
COMMON CREEPING RED	3.3	2.7	3.0
LSD VALUE	2.3	2.6	1.7
C.V. (%)	25.4	29.7	27.5

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

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

TABLE 27E. BROWN PATCH (WARM TEMPERATURE) RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
4001	7.3	8.0	7.7
SCALDIS II (AHF 008)	8.7	6.7	7.7
ISI FL 12	7.0	8.0	7.5
PICK FF A-97	6.7	8.0	7.3
RELIANT II	8.3	6.3	7.3
ABT-HF1	7.3	7.3	7.3
AHF 009	7.3	7.3	7.3
ISI FL 11	7.3	7.3	7.3
ATTILA E	7.7	6.7	7.2
OXFORD	7.0	7.3	7.2
BAR HF 8 FUS	7.3	6.7	7.0
ABT-HF-2	8.3	5.3	6.8
ABT-HF-4	8.7	5.0	6.8
MB-82	6.7	6.7	6.7
ABT-HF-3	7.0	6.3	6.7
BIGHORN	7.0	6.3	6.7
NORDIC (E)	7.0	6.3	6.7
SRX 3961	6.7	6.3	6.5
DISCOVERY	6.7	5.7	6.2
DEFIANT	6.0	6.0	6.0
HERON	6.3	5.7	6.0
RESCUE 911	6.0	6.0	6.0
SCALDIS	7.0	5.0	6.0
OSPREY	5.0	5.0	5.0
LSD VALUE	2.8	3.3	2.2
C.V. (%)	24.7	31.7	28.2

TABLE 27F. BROWN PATCH (WARM TEMPERATURE) RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	ME1	ME2	MEAN
MINOTAUR	7.0	7.3	7.2
PST-4MB	7.7	5.7	6.7
SR 3200	6.7	4.3	5.5
QUATRO	5.0	4.7	4.8
SR 6000	3.0	3.0	3.0
LSD VALUE	3.1	3.9	2.5
C.V. (%)	32.9	48.4	40.3

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

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

TABLE 28A. SUMMER PATCH RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	NC1	NAME	NC1
MAGIC	9.0	PATHFINDER	7.3
BANNER III	8.7	PST-4MB	7.3
PICK FRC 4-92	8.7	QUATRO	7.3
ISI FL 11	8.3	SHADEMASTER II	7.3
MB-63	8.3	SR 3200	7.3
ABT-CHW-1	8.0	ABT-CHW-2	7.0
ABT-CR-3	8.0	ABT-HF-2	7.0
ABT-HF1	8.0	BIGHORN	7.0
ACF 083	8.0	DISCOVERY	7.0
AMBASSADOR	8.0	PICK FF A-97	7.0
CULOMBRA	8.0	PST-47TCR	7.0
ISI FL 12	8.0	RELIANT II	7.0
ISI FRR 5	8.0	SCALDIS II (AHF 008)	7.0
ISI FRR 7	8.0	SEABREEZE	7.0
JASPER II	8.0	SR 5100	7.0
NORDIC (E)	8.0	SRX 52LAV	7.0
SRX 52961	8.0	BAR SCF 8 FUS3	6.7
TIFFANY	8.0	INTRIGUE	6.7
ABT-CR-2	7.7	PICK FRC A-93	6.7
ABT-HF-3	7.7	RESCUE 911	6.7
ASC 082	7.7	SALSA	6.7
BAR CF 8 FUS1	7.7	SHADEMARK	6.7
BAR CHF 8 FUS2	7.7	ABT-HF-4	6.3
FLORENTINE	7.7	ASC 087	6.3
JAMESTOWN II	7.7	ATTILA E	6.3
LONGFELLOW II	7.7	BRIDGEPORT	6.3
PST-4FR	7.7	DGSC 94	6.3
SANDPIPER	7.7	HERON	6.3
SRX 3961	7.7	SHADOW II	6.3
TREAZURE (E)	7.7	AHF 009	6.0
4001	7.3	BOREAL	6.0
ABT-CHW-3	7.3	PST-4HM	6.0
ACF 092	7.3	PST-EFL	6.0
ASC 172	7.3	DAWSON E+	5.7
ASR 049	7.3	DEFIANT	5.7
BAR HF 8 FUS	7.3	COMMON CREEPING RED	5.0
BRITTANY	7.3	SCALDIS	4.3
MB-82	7.3	SR 6000	3.7
MINOTAUR	7.3		
OSPREY	7.3	LSD VALUE	2.1
OXFORD	7.3	C.V. (%)	18.6

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

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

TABLE 28B. SUMMER PATCH RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

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

NAME	NC1
MAGIC	9.0
BANNER III	8.7
PICK FRC 4-92	8.7
MB-63	8.3
ABT-CHW-1	8.0
ACF 083	8.0
AMBASSADOR	8.0
CULOMBRA	8.0
TIFFANY	8.0
BAR CHF 8 FUS2	7.7
JAMESTOWN II	7.7
LONGFELLOW II	7.7
SANDPIPER	7.7
TREAZURE (E)	7.7
ABT-CHW-3	7.3
ACF 092	7.3
BRITTANY	7.3
ABT-CHW-2	7.0
SR 5100	7.0
INTRIGUE	6.7
PICK FRC A-93	6.7
BRIDGEPORT	6.3
SHADOW II	6.3
PST-4HM	6.0
LSD VALUE	2.3
C.V. (%)	18.9

TABLE 28C. SUMMER PATCH RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	NC1
ASR 049	7.3
SEABREEZE	7.0
BAR SCF 8 FUS3	6.7
DAWSON E+	5.7
LSD VALUE	0.8
C.V. (%)	7.5

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

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

TABLE 28D. SUMMER PATCH RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

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

NAME	NC1
ABT-CR-3	8.0
ISI FRR 5	8.0
ISI FRR 7	8.0
JASPER II	8.0
SRX 52961	8.0
ABT-CR-2	7.7
ASC 082	7.7
BAR CF 8 FUS1	7.7
FLORENTINE	7.7
PST-4FR	7.7
ASC 172	7.3
PATHFINDER	7.3
SHADEMASTER II	7.3
PST-47TCR	7.0
SRX 52LAV	7.0
SALSA	6.7
SHADEMARK	6.7
ASC 087	6.3
DGSC 94	6.3
BOREAL	6.0
PST-EFL	6.0
COMMON CREEPING RED	5.0
LSD VALUE	1.3
C.V. (%)	11.5

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

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

TABLE 28E. SUMMER PATCH RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

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

NAME	NC1
ISI FL 11	8.3
ABT-HF1	8.0
ISI FL 12	8.0
NORDIC (E)	8.0
ABT-HF-3	7.7
SRX 3961	7.7
4001	7.3
BAR HF 8 FUS	7.3
MB-82	7.3
OSPREY	7.3
OXFORD	7.3
ABT-HF-2	7.0
BIGHORN	7.0
DISCOVERY	7.0
PICK FF A-97	7.0
RELIANT II	7.0
SCALDIS II (AHF 008)	7.0
RESCUE 911	6.7
ABT-HF-4	6.3
ATTILA E	6.3
HERON	6.3
AHF 009	6.0
DEFIANT	5.7
SCALDIS	4.3
LSD VALUE	2.4
C.V. (%)	21.8

TABLE 28F. SUMMER PATCH RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

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

NAME	NC1
MINOTAUR	7.3
PST-4MB	7.3
QUATRO	7.3
SR 3200	7.3
SR 6000	3.7
LSD VALUE	3.2
C.V. (%)	30.0

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

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

TABLE 29A.

PERCENT ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS 1/ 2/
1999 DATA

NAME	CO1	IA1	IL1	MA1	ME1	ME2	NC1	NS1	VA1	WI1	WI2	MEAN
COMMON CREEPING RED	38.3	73.3	81.7	56.7	85.0	73.3	81.7	88.0	93.3	75.0	91.7	76.2
SALSA	51.7	89.7	78.3	48.3	83.3	68.3	81.7	83.3	98.3	68.3	72.7	74.9
BOREAL	56.7	83.3	75.0	45.0	75.0	63.3	83.3	88.3	88.3	70.0	85.0	73.9
SANDPIPER	60.0	90.0	75.0	43.3	73.3	63.3	80.0	91.3	93.3	60.0	78.3	73.5
CULOMBRA	73.3	76.7	73.3	53.3	90.0	71.7	76.7	90.0	92.7	51.7	48.3	72.5
JAMESTOWN II	41.7	86.7	76.7	46.7	76.7	71.7	80.0	86.7	85.0	65.0	65.0	71.1
SHADEMASTER II	50.0	63.3	71.7	40.0	85.0	73.3	78.3	80.0	91.7	65.0	76.7	70.5
SEABREEZE	68.3	78.3	68.3	53.3	80.0	60.0	78.3	83.0	83.3	51.7	66.7	70.1
ASR 049	75.0	70.0	70.0	45.0	73.3	31.7	75.0	86.3	88.3	73.3	76.7	69.5
PST-EFL	43.3	73.3	70.0	43.3	86.7	63.3	80.0	88.3	87.7	61.7	61.7	69.0
DAWSON E+	71.7	70.0	58.3	50.0	70.0	53.3	76.7	88.0	92.7	63.3	63.3	68.8
DGSC 94	45.0	76.7	70.0	43.3	78.3	60.0	75.0	83.0	83.3	60.0	80.0	68.6
SRX 52LAV	65.0	80.0	73.3	45.0	71.7	50.0	73.3	78.3	93.0	51.7	73.3	68.6
JASPER II	51.7	76.7	58.3	56.7	66.7	61.7	75.0	85.0	82.7	73.3	66.7	68.6
BRIDGEPORT	46.7	70.0	70.0	48.3	71.7	66.7	83.3	78.3	85.0	65.0	68.3	68.5
PATHFINDER	48.3	86.7	76.7	36.7	73.3	43.3	81.7	81.7	91.7	58.3	71.7	68.2
BRITTANY	35.0	76.7	73.3	36.7	84.7	66.7	75.0	86.7	92.7	51.7	68.3	67.9
HERON	78.3	65.0	73.3	33.3	71.7	60.0	70.0	93.0	80.0	55.0	66.7	67.8
SHADEMARK	46.7	71.7	68.3	40.0	83.3	56.7	80.0	85.0	91.0	56.7	60.0	67.2
ABT-CHW-1	66.7	63.3	71.7	40.0	68.3	56.7	75.0	81.7	78.3	66.7	70.0	67.1
ABT-CR-3	61.7	70.0	68.3	33.3	70.0	63.3	78.3	83.0	83.3	60.0	60.0	66.5
LONGFELLOW II	43.3	70.0	76.7	41.7	60.0	63.3	75.0	92.5	83.3	51.7	71.7	66.3
SR 5100	43.3	68.3	75.0	45.0	70.0	60.0	76.7	90.0	78.3	51.7	68.3	66.1
MAGIC	48.3	66.7	65.0	41.7	71.7	63.3	75.0	90.0	86.7	46.7	71.7	66.1
ABT-CHW-3	51.7	71.7	66.7	38.3	73.3	53.3	75.0	86.7	83.3	56.7	68.3	65.9
PICK FRC 4-92	46.7	66.7	73.3	53.3	63.3	55.0	73.3	84.7	83.3	65.0	60.0	65.9
ASC 087	53.3	56.7	63.3	41.7	66.7	53.3	75.0	86.3	90.0	65.0	73.3	65.9
ABT-CR-2	56.7	66.7	70.0	36.7	65.0	61.7	75.0	78.3	85.0	60.0	68.3	65.8
SRX 52961	70.0	76.7	73.3	35.0	58.3	46.7	73.3	80.0	85.0	51.7	68.3	65.3
ACF 083	53.3	75.0	61.7	41.7	58.3	35.0	80.0	83.3	85.0	71.7	70.0	65.0
FLORENTINE	46.7	65.0	68.3	41.7	78.3	56.7	78.3	76.7	81.7	56.7	63.3	64.8
TIFFANY	46.7	65.0	71.7	38.3	78.3	35.0	70.0	81.7	85.0	60.0	80.0	64.7
ATTILA E	65.0	50.0	60.0	46.7	65.0	60.0	61.7	88.0	85.0	63.3	63.3	64.4
BAR CHF 8 FUS2	48.3	63.3	65.0	43.3	61.7	58.3	73.3	83.3	85.0	65.0	56.7	63.9
ISI FRR 7	46.7	66.7	73.3	46.7	51.7	53.3	76.7	84.7	89.3	51.7	61.7	63.8
ABT-CHW-2	70.0	66.7	71.7	41.7	56.7	45.0	70.0	80.0	80.0	43.3	70.0	63.2
SCALDIS II (AHF 008)	56.7	58.3	63.3	36.7	73.3	53.3	58.3	80.0	85.0	61.7	68.3	63.2
TREAZURE (E)	41.7	66.7	71.7	41.7	63.3	35.0	78.3	91.7	71.7	58.3	75.0	63.2
ISI FRR 5	46.7	71.7	61.7	30.0	53.3	55.0	76.7	81.7	91.3	60.0	65.0	63.0
ACF 092	48.3	71.7	61.7	40.0	65.0	38.3	73.3	83.3	81.7	60.0	63.3	62.4
PICK FRC A-93	46.7	63.3	71.7	35.0	70.0	50.0	78.3	75.0	88.3	56.7	46.7	62.0
SR 6000	38.3	66.7	80.0	26.7	56.7	36.7	73.3	88.3	60.0	68.3	83.3	61.7
INTRIGUE	50.0	66.7	61.7	35.0	65.0	40.0	71.7	83.0	83.3	60.0	61.7	61.6
ABT-HF-3	73.3	68.3	63.3	33.3	55.0	73.3	73.3	78.3	76.7	36.7	41.7	61.2
MB-63	45.0	63.3	70.0	36.7	70.0	63.3	73.3	81.7	85.0	33.3	51.7	61.2

TABLE 29A. (CONT'D)

PERCENT ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS
1999 DATA

NAME	CO1	IA1	IL1	MA1	ME1	ME2	NC1	NS1	VA1	WI1	WI2	MEAN
ISI FL 12	51.7	63.3	65.0	38.3	61.7	63.3	60.0	88.0	85.0	38.3	56.7	61.0
BAR HF 8 FUS	46.7	61.7	58.3	43.3	66.7	63.3	60.0	78.3	83.3	56.7	51.7	60.9
BAR CF 8 FUS1	33.3	56.7	65.0	38.3	66.7	38.3	76.7	84.7	81.7	66.7	61.7	60.9
ABT-HF1	76.7	68.3	63.3	35.0	63.3	58.3	56.7	88.3	91.7	25.0	38.3	60.5
SHADOW II	46.7	66.7	63.3	36.7	61.7	40.0	66.7	83.3	80.0	51.7	68.3	60.5
AMBASSADOR	55.0	56.7	60.0	40.0	60.0	45.0	66.7	86.7	78.3	55.0	60.0	60.3
BIGHORN	81.7	51.7	56.7	40.0	65.0	48.3	60.0	81.7	85.0	55.0	38.3	60.3
4001	48.3	65.0	56.7	46.7	61.7	53.3	70.0	83.3	86.7	43.3	46.7	60.2
NORDIC (E)	75.0	53.3	61.7	38.3	53.3	70.0	68.3	83.0	83.3	36.7	38.3	60.1
ASC 082	50.0	63.3	58.3	30.0	63.3	50.0	68.3	75.0	88.3	56.7	53.3	59.7
RELIANT II	50.0	56.7	60.0	38.3	56.7	61.7	66.7	83.3	76.7	46.7	51.7	58.9
BAR SCF 8 FUS3	48.3	53.3	51.7	40.0	55.0	46.7	71.7	75.0	83.3	55.0	66.7	58.8
ABT-HF-2	70.0	63.3	61.7	33.3	40.0	68.3	68.3	81.3	86.7	41.7	31.7	58.8
AHF 009	56.7	56.7	61.7	36.7	55.0	40.0	65.0	88.3	83.3	48.3	51.7	58.5
ABT-HF-4	48.3	63.3	60.0	45.0	56.7	50.0	73.3	81.7	75.0	43.3	45.0	58.3
QUATRO	56.7	60.0	60.0	35.0	51.7	46.7	66.7	83.3	80.0	51.7	46.7	58.0
SRX 3961	61.7	65.0	60.0	31.7	68.3	56.7	56.7	78.3	81.7	30.0	46.7	57.9
OXFORD	50.0	66.7	61.7	28.3	58.3	60.0	68.3	88.3	75.0	38.3	40.0	57.7
PST-47TCR	28.3	55.0	66.7	36.7	53.3	56.7	71.7	75.0	85.0	56.7	50.0	57.7
DISCOVERY	51.7	60.0	60.0	28.3	56.7	56.7	56.7	81.3	80.0	41.7	58.3	57.4
PICK FF A-97	53.3	70.0	73.3	25.0	53.3	51.7	68.3	80.0	80.0	40.0	35.0	57.3
ISI FL 11	48.3	51.7	66.7	31.7	58.3	56.7	63.3	76.7	66.7	35.0	65.0	56.4
SR 3200	53.3	53.3	60.0	30.0	53.3	60.0	65.0	81.7	81.7	25.0	50.0	55.8
MINOTAUR	53.3	55.0	60.0	30.0	71.7	46.7	65.0	76.3	76.7	30.0	46.7	55.6
RESCUE 911	56.7	60.0	56.7	28.3	43.3	65.0	70.0	81.7	83.3	18.3	35.0	54.4
DEFIANT	48.3	70.0	65.0	21.7	71.7	48.3	56.7	70.0	83.3	25.0	31.7	53.8
PST-4HM	75.0	50.0	65.0	28.3	30.0	43.3	68.3	80.0	73.3	38.3	38.3	53.6
PST-4FR	31.7	60.0	61.7	36.7	40.0	26.7	71.7	81.7	78.3	53.3	46.7	53.5
SCALDIS	55.0	51.7	60.0	25.0	58.3	30.0	63.3	88.0	73.3	40.0	36.7	52.8
BANNER III	56.7	63.3	60.0	31.7	20.0	18.3	68.3	81.7	81.7	35.0	55.0	52.0
PST-4MB	76.7	48.3	51.7	33.3	36.7	38.3	50.0	71.7	65.0	46.7	35.0	50.3
OSPREY	48.3	50.0	51.7	28.3	40.0	35.0	65.0	81.3	66.7	35.0	28.3	48.2
ASC 172	48.3	40.0	45.0	30.0	40.0	13.3	63.3	70.0	60.0	40.0	56.7	46.1
MB-82	58.3	36.7	53.3	33.3	23.3	15.0	46.7	71.7	66.7	35.0	16.7	41.5
LSD VALUE	7.1	16.2	14.2	16.1	28.9	15.3	14.6	22.0	12.8	19.2	32.2	5.8
C.V. (%)	8.1	15.4	13.4	25.9	28.4	25.5	12.8	16.5	9.6	23.0	34.2	20.0

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

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

TABLE 29B.

PERCENT ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/ 2/
1999 DATA

NAME	CO1	IA1	IL1	MA1	ME1	ME2	NC1	NS1	VA1	WI1	WI2	MEAN
SANDPIPER	60.0	90.0	75.0	43.3	73.3	63.3	80.0	91.3	93.3	60.0	78.3	73.5
CULOMBRA	73.3	76.7	73.3	53.3	90.0	71.7	76.7	90.0	92.7	51.7	48.3	72.5
JAMESTOWN II	41.7	86.7	76.7	46.7	76.7	71.7	80.0	86.7	85.0	65.0	65.0	71.1
BRIDGEPORT	46.7	70.0	70.0	48.3	71.7	66.7	83.3	78.3	85.0	65.0	68.3	68.5
BRITTANY	35.0	76.7	73.3	36.7	84.7	66.7	75.0	86.7	92.7	51.7	68.3	67.9
ABT-CHW-1	66.7	63.3	71.7	40.0	68.3	56.7	75.0	81.7	78.3	66.7	70.0	67.1
LONGFELLOW II	43.3	70.0	76.7	41.7	60.0	63.3	75.0	92.5	83.3	51.7	71.7	66.3
SR 5100	43.3	68.3	75.0	45.0	70.0	60.0	76.7	90.0	78.3	51.7	68.3	66.1
MAGIC	48.3	66.7	65.0	41.7	71.7	63.3	75.0	90.0	86.7	46.7	71.7	66.1
ABT-CHW-3	51.7	71.7	66.7	38.3	73.3	53.3	75.0	86.7	83.3	56.7	68.3	65.9
PICK FRC 4-92	46.7	66.7	73.3	53.3	63.3	55.0	73.3	84.7	83.3	65.0	60.0	65.9
ACF 083	53.3	75.0	61.7	41.7	58.3	35.0	80.0	83.3	85.0	71.7	70.0	65.0
TIFFANY	46.7	65.0	71.7	38.3	78.3	35.0	70.0	81.7	85.0	60.0	80.0	64.7
BAR CHF 8 FUS2	48.3	63.3	65.0	43.3	61.7	58.3	73.3	83.3	85.0	65.0	56.7	63.9
ABT-CHW-2	70.0	66.7	71.7	41.7	56.7	45.0	70.0	80.0	80.0	43.3	70.0	63.2
TREAZURE (E)	41.7	66.7	71.7	41.7	63.3	35.0	78.3	91.7	71.7	58.3	75.0	63.2
ACF 092	48.3	71.7	61.7	40.0	65.0	38.3	73.3	83.3	81.7	60.0	63.3	62.4
PICK FRC A-93	46.7	63.3	71.7	35.0	70.0	50.0	78.3	75.0	88.3	56.7	46.7	62.0
INTRIGUE	50.0	66.7	61.7	35.0	65.0	40.0	71.7	83.0	83.3	60.0	61.7	61.6
MB-63	45.0	63.3	70.0	36.7	70.0	63.3	73.3	81.7	85.0	33.3	51.7	61.2
SHADOW II	46.7	66.7	63.3	36.7	61.7	40.0	66.7	83.3	80.0	51.7	68.3	60.5
AMBASSADOR	55.0	56.7	60.0	40.0	60.0	45.0	66.7	86.7	78.3	55.0	60.0	60.3
PST-4HM	75.0	50.0	65.0	28.3	30.0	43.3	68.3	80.0	73.3	38.3	38.3	53.6
BANNER III	56.7	63.3	60.0	31.7	20.0	18.3	68.3	81.7	81.7	35.0	55.0	52.0
LSD VALUE	6.5	17.5	15.2	17.9	27.7	16.0	9.1	18.2	10.4	18.3	29.8	5.6
C.V. (%)	7.8	15.9	13.8	27.3	26.4	27.0	7.6	13.2	7.8	20.6	29.0	18.6

TABLE 29C.

PERCENT ESTABLISHMENT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/ 2/
1999 DATA

NAME	CO1	IA1	IL1	MA1	ME1	ME2	NC1	NS1	VA1	WI1	WI2	MEAN
SEABREEZE	68.3	78.3	68.3	53.3	80.0	60.0	78.3	83.0	83.3	51.7	66.7	70.1
ASR 049	75.0	70.0	70.0	45.0	73.3	31.7	75.0	86.3	88.3	73.3	76.7	69.5
DAWSON E+	71.7	70.0	58.3	50.0	70.0	53.3	76.7	88.0	92.7	63.3	63.3	68.8
BAR SCF 8 FUS3	48.3	53.3	51.7	40.0	55.0	46.7	71.7	75.0	83.3	55.0	66.7	58.8
LSD VALUE	9.9	15.4	15.6	12.3	25.2	14.4	7.0	24.3	10.5	18.0	18.6	5.0
C.V. (%)	9.3	14.1	15.6	16.2	22.5	26.4	5.7	18.1	7.5	18.4	16.9	16.3

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

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

TABLE 29D.

PERCENT ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/ 2/
1999 DATA

NAME	CO1	IA1	IL1	MA1	ME1	ME2	NC1	NS1	VA1	WI1	WI2	MEAN
COMMON CREEPING RED	38.3	73.3	81.7	56.7	85.0	73.3	81.7	88.0	93.3	75.0	91.7	76.2
SALSA	51.7	89.7	78.3	48.3	83.3	68.3	81.7	83.3	98.3	68.3	72.7	74.9
BOREAL	56.7	83.3	75.0	45.0	75.0	63.3	83.3	88.3	88.3	70.0	85.0	73.9
SHADEMASTER II	50.0	63.3	71.7	40.0	85.0	73.3	78.3	80.0	91.7	65.0	76.7	70.5
PST-EFL	43.3	73.3	70.0	43.3	86.7	63.3	80.0	88.3	87.7	61.7	61.7	69.0
DGSC 94	45.0	76.7	70.0	43.3	78.3	60.0	75.0	83.0	83.3	60.0	80.0	68.6
SRX 52LAV	65.0	80.0	73.3	45.0	71.7	50.0	73.3	78.3	93.0	51.7	73.3	68.6
JASPER II	51.7	76.7	58.3	56.7	66.7	61.7	75.0	85.0	82.7	73.3	66.7	68.6
PATHFINDER	48.3	86.7	76.7	36.7	73.3	43.3	81.7	81.7	91.7	58.3	71.7	68.2
SHADEMARK	46.7	71.7	68.3	40.0	83.3	56.7	80.0	85.0	91.0	56.7	60.0	67.2
ABT-CR-3	61.7	70.0	68.3	33.3	70.0	63.3	78.3	83.0	83.3	60.0	60.0	66.5
ASC 087	53.3	56.7	63.3	41.7	66.7	53.3	75.0	86.3	90.0	65.0	73.3	65.9
ABT-CR-2	56.7	66.7	70.0	36.7	65.0	61.7	75.0	78.3	85.0	60.0	68.3	65.8
SRX 52961	70.0	76.7	73.3	35.0	58.3	46.7	73.3	80.0	85.0	51.7	68.3	65.3
FLORENTINE	46.7	65.0	68.3	41.7	78.3	56.7	78.3	76.7	81.7	56.7	63.3	64.8
ISI FRR 7	46.7	66.7	73.3	46.7	51.7	53.3	76.7	84.7	89.3	51.7	61.7	63.8
ISI FRR 5	46.7	71.7	61.7	30.0	53.3	55.0	76.7	81.7	91.3	60.0	65.0	63.0
BAR CF 8 FUS1	33.3	56.7	65.0	38.3	66.7	38.3	76.7	84.7	81.7	66.7	61.7	60.9
ASC 082	50.0	63.3	58.3	30.0	63.3	50.0	68.3	75.0	88.3	56.7	53.3	59.7
PST-47TCR	28.3	55.0	66.7	36.7	53.3	56.7	71.7	75.0	85.0	56.7	50.0	57.7
PST-4FR	31.7	60.0	61.7	36.7	40.0	26.7	71.7	81.7	78.3	53.3	46.7	53.5
ASC 172	48.3	40.0	45.0	30.0	40.0	13.3	63.3	70.0	60.0	40.0	56.7	46.1
LSD VALUE	8.3	15.3	15.5	13.6	21.8	13.1	9.6	23.2	12.2	17.1	27.3	5.1
C.V. (%)	10.7	13.7	14.1	20.8	19.9	21.4	7.8	17.6	8.8	17.7	25.5	16.8

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

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

TABLE 29E.

PERCENT ESTABLISHMENT RATINGS OF HARD FESCUE CULTIVARS 1/ 2/
1999 DATA

NAME	CO1	IA1	IL1	MA1	ME1	ME2	NC1	NS1	VA1	WI1	WI2	MEAN
HERON	78.3	65.0	73.3	33.3	71.7	60.0	70.0	93.0	80.0	55.0	66.7	67.8
ATTILA E	65.0	50.0	60.0	46.7	65.0	60.0	61.7	88.0	85.0	63.3	63.3	64.4
SCALDIS II (AHF 008)	56.7	58.3	63.3	36.7	73.3	53.3	58.3	80.0	85.0	61.7	68.3	63.2
ABT-HF-3	73.3	68.3	63.3	33.3	55.0	73.3	73.3	78.3	76.7	36.7	41.7	61.2
ISI FL 12	51.7	63.3	65.0	38.3	61.7	63.3	60.0	88.0	85.0	38.3	56.7	61.0
BAR HF 8 FUS	46.7	61.7	58.3	43.3	66.7	63.3	60.0	78.3	83.3	56.7	51.7	60.9
ABT-HF1	76.7	68.3	63.3	35.0	63.3	58.3	56.7	88.3	91.7	25.0	38.3	60.5
BIGHORN	81.7	51.7	56.7	40.0	65.0	48.3	60.0	81.7	85.0	55.0	38.3	60.3
4001	48.3	65.0	56.7	46.7	61.7	53.3	70.0	83.3	86.7	43.3	46.7	60.2
NORDIC (E)	75.0	53.3	61.7	38.3	53.3	70.0	68.3	83.0	83.3	36.7	38.3	60.1
RELIANT II	50.0	56.7	60.0	38.3	56.7	61.7	66.7	83.3	76.7	46.7	51.7	58.9
ABT-HF-2	70.0	63.3	61.7	33.3	40.0	68.3	68.3	81.3	86.7	41.7	31.7	58.8
AHF 009	56.7	56.7	61.7	36.7	55.0	40.0	65.0	88.3	83.3	48.3	51.7	58.5
ABT-HF-4	48.3	63.3	60.0	45.0	56.7	50.0	73.3	81.7	75.0	43.3	45.0	58.3
SRX 3961	61.7	65.0	60.0	31.7	68.3	56.7	56.7	78.3	81.7	30.0	46.7	57.9
OXFORD	50.0	66.7	61.7	28.3	58.3	60.0	68.3	88.3	75.0	38.3	40.0	57.7
DISCOVERY	51.7	60.0	60.0	28.3	56.7	56.7	56.7	81.3	80.0	41.7	58.3	57.4
PICK FF A-97	53.3	70.0	73.3	25.0	53.3	51.7	68.3	80.0	80.0	40.0	35.0	57.3
ISI FL 11	48.3	51.7	66.7	31.7	58.3	56.7	63.3	76.7	66.7	35.0	65.0	56.4
RESCUE 911	56.7	60.0	56.7	28.3	43.3	65.0	70.0	81.7	83.3	18.3	35.0	54.4
DEFIANT	48.3	70.0	65.0	21.7	71.7	48.3	56.7	70.0	83.3	25.0	31.7	53.8
SCALDIS	55.0	51.7	60.0	25.0	58.3	30.0	63.3	88.0	73.3	40.0	36.7	52.8
OSPREY	48.3	50.0	51.7	28.3	40.0	35.0	65.0	81.3	66.7	35.0	28.3	48.2
MB-82	58.3	36.7	53.3	33.3	23.3	15.0	46.7	71.7	66.7	35.0	16.7	41.5
LSD VALUE	6.1	16.0	12.3	16.6	33.9	16.5	21.8	22.9	14.7	22.4	40.4	6.6
C.V. (%)	6.5	16.7	12.5	30.0	36.7	26.9	21.3	17.3	11.4	33.7	55.6	24.6

TABLE 29F.

PERCENT ESTABLISHMENT RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/ 2/
1999 DATA

NAME	CO1	IA1	IL1	MA1	ME1	ME2	NC1	NS1	VA1	WI1	WI2	MEAN
SR 6000	38.3	66.7	80.0	26.7	56.7	36.7	73.3	88.3	60.0	68.3	83.3	61.7
QUATRO	56.7	60.0	60.0	35.0	51.7	46.7	66.7	83.3	80.0	51.7	46.7	58.0
SR 3200	53.3	53.3	60.0	30.0	53.3	60.0	65.0	81.7	81.7	25.0	50.0	55.8
MINOTAUR	53.3	55.0	60.0	30.0	71.7	46.7	65.0	76.3	76.7	30.0	46.7	55.6
PST-4MB	76.7	48.3	51.7	33.3	36.7	38.3	50.0	71.7	65.0	46.7	35.0	50.3
LSD VALUE	4.6	14.4	9.7	16.7	37.1	15.0	16.0	26.4	16.7	16.9	27.2	6.0
C.V. (%)	5.2	15.8	9.7	33.6	42.8	28.8	15.5	20.4	14.3	23.7	32.3	22.9

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

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

TABLE 30A. ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 AT MEAD, NE
 1998 DATA

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

NAME	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
SRX 3961	6.0	8.3	9.0	7.8
ABT-HF-2	6.0	8.3	8.3	7.6
COMMON CREEPING RED	6.3	8.0	8.3	7.6
ABT-HF1	6.0	8.0	8.3	7.4
ATTILA E	5.0	8.3	9.0	7.4
DGSC 94	6.0	7.7	8.7	7.4
SR 5100	5.3	8.0	9.0	7.4
ISI FL 11	5.7	8.0	8.3	7.3
ISI FRR 7	6.3	7.3	8.3	7.3
PATHFINDER	5.7	8.0	8.3	7.3
SALSA	6.0	8.0	8.0	7.3
ABT-CR-3	5.3	8.0	8.3	7.2
AHF 009	5.7	8.0	8.0	7.2
ASC 087	5.3	7.7	8.7	7.2
BOREAL	6.0	7.7	8.0	7.2
BRIDGEPORT	5.7	7.7	8.3	7.2
CULOMBRA	6.7	8.0	7.0	7.2
FLORENTINE	5.7	8.3	7.7	7.2
JASPER II	6.0	8.3	7.3	7.2
SHADEMARK	5.7	8.0	8.0	7.2
SR 3200	5.7	7.7	8.3	7.2
BAR CF 8 FUS1	5.7	7.7	8.0	7.1
BAR SCF 8 FUS3	5.0	7.7	8.7	7.1
JAMESTOWN II	5.0	8.0	8.3	7.1
ABT-HF-3	5.0	8.0	8.0	7.0
BRITTANY	5.3	7.7	8.0	7.0
HERON	5.3	7.3	8.3	7.0
ISI FRR 5	5.7	7.3	8.0	7.0
MB-63	5.7	7.7	7.7	7.0
NORDIC (E)	5.0	7.3	8.7	7.0
PST-47TCR	5.0	8.0	8.0	7.0
PST-EFL	5.3	8.0	7.7	7.0
SRX 52961	5.0	7.7	8.3	7.0
BAR CHF 8 FUS2	4.7	8.0	8.0	6.9
ISI FL 12	5.3	7.3	8.0	6.9
MAGIC	4.7	7.7	8.3	6.9
PST-4FR	5.0	7.0	8.7	6.9
SANDPIPER	6.3	7.7	6.7	6.9
TREAZURE (E)	5.0	7.7	8.0	6.9
ACF 092	4.0	8.0	8.3	6.8
INTRIGUE	4.7	7.7	8.0	6.8
RESCUE 911	6.0	6.7	7.7	6.8
ABT-CR-2	4.0	7.7	8.3	6.7
ABT-HF-4	4.7	7.0	8.3	6.7
ASC 082	5.7	7.7	6.7	6.7

TABLE 30A. ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS
 (CONT'D) AT MEAD, NE
 1998 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
ASR 049	4.0	7.3	8.7	6.7
BAR HF 8 FUS	4.7	7.7	7.7	6.7
OXFORD	5.0	7.3	7.7	6.7
PICK FF A-97	4.7	7.3	8.0	6.7
SEABREEZE	3.7	7.7	8.7	6.7
SHADEMASTER II	4.7	7.3	8.0	6.7
SRX 52LAV	4.7	7.3	8.0	6.7
TIFFANY	5.3	7.7	7.0	6.7
ABT-CHW-2	4.3	7.3	8.0	6.6
ABT-CHW-3	4.3	7.7	7.7	6.6
SCALDIS II (AHF 008)	4.3	7.3	8.0	6.6
SR 6000	5.7	6.7	7.3	6.6
LONGFELLOW II	5.7	7.0	6.7	6.4
PICK FRC 4-92	5.7	6.7	7.0	6.4
RELIANT II	4.0	7.3	8.0	6.4
4001	5.3	6.0	7.7	6.3
ACF 083	4.3	7.3	7.3	6.3
ASC 172	4.7	6.7	7.7	6.3
DAWSON E+	3.3	7.3	8.3	6.3
MINOTAUR	4.0	7.3	7.7	6.3
OSPREY	3.3	7.3	8.3	6.3
PICK FRC A-93	4.3	6.3	8.3	6.3
AMBASSADOR	4.7	6.7	7.3	6.2
BANNER III	4.0	7.3	7.3	6.2
DISCOVERY	4.3	6.7	7.7	6.2
QUATRO	4.3	6.7	7.3	6.1
SHADOW II	4.7	6.3	7.3	6.1
DEFIANT	4.7	6.0	7.3	6.0
SCALDIS	4.3	6.3	7.3	6.0
ABT-CHW-1	4.7	6.3	6.7	5.9
PST-4MB	3.3	6.3	7.7	5.8
BIGHORN	2.7	6.0	7.0	5.2
MB-82	2.3	6.0	7.3	5.2
PST-4HM	4.3	4.3	6.7	5.1
LSD VALUE	2.1	2.4	2.8	1.6
C.V. (%)	20.6	13.3	11.4	10.5

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

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

TABLE 30B. ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
AT MEAD, NE 2/
1998 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
SR 5100	5.3	8.0	9.0	7.4
BRIDGEPORT	5.7	7.7	8.3	7.2
CULOMBRA	6.7	8.0	7.0	7.2
JAMESTOWN II	5.0	8.0	8.3	7.1
BRITTANY	5.3	7.7	8.0	7.0
MB-63	5.7	7.7	7.7	7.0
BAR CHF 8 FUS2	4.7	8.0	8.0	6.9
MAGIC	4.7	7.7	8.3	6.9
SANDPIPER	6.3	7.7	6.7	6.9
TREAZURE (E)	5.0	7.7	8.0	6.9
ACF 092	4.0	8.0	8.3	6.8
INTRIGUE	4.7	7.7	8.0	6.8
TIFFANY	5.3	7.7	7.0	6.7
ABT-CHW-2	4.3	7.3	8.0	6.6
ABT-CHW-3	4.3	7.7	7.7	6.6
LONGFELLOW II	5.7	7.0	6.7	6.4
PICK FRC 4-92	5.7	6.7	7.0	6.4
ACF 083	4.3	7.3	7.3	6.3
PICK FRC A-93	4.3	6.3	8.3	6.3
AMBASSADOR	4.7	6.7	7.3	6.2
BANNER III	4.0	7.3	7.3	6.2
SHADOW II	4.7	6.3	7.3	6.1
ABT-CHW-1	4.7	6.3	6.7	5.9
PST-4HM	4.3	4.3	6.7	5.1
LSD VALUE	2.2	1.4	2.6	1.3
C.V. (%)	18.7	10.7	12.9	9.4

TABLE 30C. ESTABLISHMENT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
AT MEAD, NE 1/
1998 DATA
ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
BAR SCF 8 FUS3	5.0	7.7	8.7	7.1
ASR 049	4.0	7.3	8.7	6.7
SEABREEZE	3.7	7.7	8.7	6.7
DAWSON E+	3.3	7.3	8.3	6.3
LSD VALUE	-	-	-	-
C.V. (%)	43.1	16.0	10.1	16.8

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

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

TABLE 30D. ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
 AT MEAD, NE 2/
 1998 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
COMMON CREEPING RED	6.3	8.0	8.3	7.6
DGSC 94	6.0	7.7	8.7	7.4
ISI FRR 7	6.3	7.3	8.3	7.3
PATHFINDER	5.7	8.0	8.3	7.3
SALSA	6.0	8.0	8.0	7.3
ABT-CR-3	5.3	8.0	8.3	7.2
ASC 087	5.3	7.7	8.7	7.2
BOREAL	6.0	7.7	8.0	7.2
FLORENTINE	5.7	8.3	7.7	7.2
JASPER II	6.0	8.3	7.3	7.2
SHADEMARK	5.7	8.0	8.0	7.2
BAR CF 8 FUS1	5.7	7.7	8.0	7.1
ISI FRR 5	5.7	7.3	8.0	7.0
PST-47TCR	5.0	8.0	8.0	7.0
PST-EFL	5.3	8.0	7.7	7.0
SRX 52961	5.0	7.7	8.3	7.0
PST-4FR	5.0	7.0	8.7	6.9
ABT-CR-2	4.0	7.7	8.3	6.7
ASC 082	5.7	7.7	6.7	6.7
SHADEMASTER II	4.7	7.3	8.0	6.7
SRX 52LAV	4.7	7.3	8.0	6.7
ASC 172	4.7	6.7	7.7	6.3
LSD VALUE	3.0	1.7	2.0	1.4
C.V. (%)	18.5	8.2	8.9	7.1

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

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

TABLE 30E. ESTABLISHMENT RATINGS OF HARD FESCUE CULTIVARS 1/
AT MEAD, NE 2/
1998 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
SRX 3961	6.0	8.3	9.0	7.8
ABT-HF-2	6.0	8.3	8.3	7.6
ABT-HF1	6.0	8.0	8.3	7.4
ATTILA E	5.0	8.3	9.0	7.4
ISI FL 11	5.7	8.0	8.3	7.3
AHF 009	5.7	8.0	8.0	7.2
ABT-HF-3	5.0	8.0	8.0	7.0
HERON	5.3	7.3	8.3	7.0
NORDIC (E)	5.0	7.3	8.7	7.0
ISI FL 12	5.3	7.3	8.0	6.9
RESCUE 911	6.0	6.7	7.7	6.8
ABT-HF-4	4.7	7.0	8.3	6.7
BAR HF 8 FUS	4.7	7.7	7.7	6.7
OXFORD	5.0	7.3	7.7	6.7
PICK FF A-97	4.7	7.3	8.0	6.7
SCALDIS II (AHF 008)	4.3	7.3	8.0	6.6
RELIANT II	4.0	7.3	8.0	6.4
4001	5.3	6.0	7.7	6.3
OSPREY	3.3	7.3	8.3	6.3
DISCOVERY	4.3	6.7	7.7	6.2
DEFIANT	4.7	6.0	7.3	6.0
SCALDIS	4.3	6.3	7.3	6.0
BIGHORN	2.7	6.0	7.0	5.2
MB-82	2.3	6.0	7.3	5.2
LSD VALUE	1.9	3.3	2.6	1.7
C.V. (%)	21.0	16.5	10.6	12.0

TABLE 30F. ESTABLISHMENT RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
AT MEAD, NE 2/
1998 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
SR 3200	5.7	7.7	8.3	7.2
SR 6000	5.7	6.7	7.3	6.6
MINOTAUR	4.0	7.3	7.7	6.3
QUATRO	4.3	6.7	7.3	6.1
PST-4MB	3.3	6.3	7.7	5.8
LSD VALUE	1.9	-	-	-
C.V. (%)	19.8	15.1	11.7	12.1

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

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

TABLE 31A. ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 AT LOGAN, UT 2/
 1999 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	OCTOBER 98	MAY 99	MEAN
SEABREEZE	4.0	7.7	5.8
ABT-HF1	3.3	8.0	5.7
BOREAL	4.3	7.0	5.7
ATTILA E	3.3	7.7	5.5
BRITTANY	3.3	7.7	5.5
DISCOVERY	3.7	7.3	5.5
JAMESTOWN II	4.0	7.0	5.5
SCALDIS	3.0	8.0	5.5
BAR SCF 8 FUS3	3.3	7.3	5.3
DAWSON E+	4.0	6.7	5.3
DEFIANT	3.3	7.3	5.3
INTRIGUE	3.3	7.3	5.3
JASPER II	3.7	7.0	5.3
NORDIC (E)	3.0	7.7	5.3
OXFORD	3.3	7.3	5.3
SALSA	4.3	6.3	5.3
SANDPIPER	3.7	7.0	5.3
SHADEMASTER II	3.7	7.0	5.3
ABT-CHW-3	3.7	6.7	5.2
ABT-HF-2	3.3	7.0	5.2
ASR 049	4.0	6.3	5.2
BANNER III	2.7	7.7	5.2
BAR HF 8 FUS	3.0	7.3	5.2
BIGHORN	3.3	7.0	5.2
BRIDGEPORT	3.7	6.7	5.2
CULOMBRA	3.7	6.7	5.2
LONGFELLOW II	3.7	6.7	5.2
MB-63	3.3	7.0	5.2
PATHFINDER	3.7	6.7	5.2
RELIANT II	3.7	6.7	5.2
SCALDIS II (AHF 008)	3.0	7.3	5.2
TREAZURE (E)	3.0	7.3	5.2
ACF 092	3.3	6.7	5.0
COMMON CREEPING RED	4.3	5.7	5.0
HERON	3.0	7.0	5.0
ISI FL 12	3.0	7.0	5.0
ISI FRR 7	3.0	7.0	5.0
MAGIC	3.0	7.0	5.0
PICK FF A-97	3.0	7.0	5.0
PST-EFL	3.3	6.7	5.0
SR 3200	3.0	7.0	5.0
SR 6000	3.7	6.3	5.0
4001	3.0	6.7	4.8
ABT-CHW-2	3.0	6.7	4.8
ACF 083	3.0	6.7	4.8

TABLE 31A. ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS
 (CONT'D) AT LOGAN, UT
 1999 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	OCTOBER 98	MAY 99	MEAN
BAR CHF 8 FUS2	3.3	6.3	4.8
ISI FRR 5	3.0	6.7	4.8
OSPREY	2.3	7.3	4.8
PICK FRC A-93	3.0	6.7	4.8
RESCUE 911	3.0	6.7	4.8
SHADEMARK	3.7	6.0	4.8
SRX 52961	3.0	6.7	4.8
TIFFANY	3.0	6.7	4.8
AHF 009	2.7	6.7	4.7
ASC 082	3.0	6.3	4.7
ASC 087	3.0	6.3	4.7
FLORENTINE	3.7	5.7	4.7
ISI FL 11	3.0	6.3	4.7
MINOTAUR	3.0	6.3	4.7
PST-47TCR	3.3	6.0	4.7
SRX 3961	2.7	6.7	4.7
SRX 521AV	3.3	6.0	4.7
ABT-CHW-1	2.7	6.3	4.5
ABT-HF-3	3.3	5.7	4.5
ABT-HF-4	2.7	6.3	4.5
BAR CF 8 FUS1	3.0	6.0	4.5
PICK FRC 4-92	2.7	6.3	4.5
PST-4MB	2.7	6.3	4.5
QUATRO	2.7	6.3	4.5
SR 5100	3.0	6.0	4.5
ABT-CR-3	3.0	5.7	4.3
AMBASSADOR	3.0	5.7	4.3
DGSC 94	3.3	5.3	4.3
SHADOW II	2.7	6.0	4.3
ABT-CR-2	3.0	5.3	4.2
PST-4HM	2.3	6.0	4.2
ASC 172	2.3	5.7	4.0
PST-4FR	3.0	4.7	3.8
MB-82	1.3	5.3	3.3
LSD VALUE	1.3	2.1	1.7
C.V. (%)	19.5	13.4	13.0

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

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

TABLE 31B. ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
AT LOGAN, UT 2/
1999 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	OCTOBER 98	MAY 99	MEAN
BRITTANY	3.3	7.7	5.5
JAMESTOWN II	4.0	7.0	5.5
INTRIGUE	3.3	7.3	5.3
SANDPIPER	3.7	7.0	5.3
ABT-CHW-3	3.7	6.7	5.2
BANNER III	2.7	7.7	5.2
BRIDGEPORT	3.7	6.7	5.2
CULOMBRA	3.7	6.7	5.2
LONGFELLOW II	3.7	6.7	5.2
MB-63	3.3	7.0	5.2
TREAZURE (E)	3.0	7.3	5.2
ACF 092	3.3	6.7	5.0
MAGIC	3.0	7.0	5.0
ABT-CHW-2	3.0	6.7	4.8
ACF 083	3.0	6.7	4.8
BAR CHF 8 FUS2	3.3	6.3	4.8
PICK FRC A-93	3.0	6.7	4.8
TIFFANY	3.0	6.7	4.8
ABT-CHW-1	2.7	6.3	4.5
PICK FRC 4-92	2.7	6.3	4.5
SR 5100	3.0	6.0	4.5
AMBASSADOR	3.0	5.7	4.3
SHADOW II	2.7	6.0	4.3
PST-4HM	2.3	6.0	4.2
LSD VALUE	1.9	3.6	2.6
C.V. (%)	21.0	15.2	15.3

TABLE 31C. ESTABLISHMENT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
AT LOGAN, UT 2/
1999 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	OCTOBER 98	MAY 99	MEAN
SEABREEZE	4.0	7.7	5.8
BAR SCF 8 FUS3	3.3	7.3	5.3
DAWSON E+	4.0	6.7	5.3
ASR 049	4.0	6.3	5.2
LSD VALUE	-	-	-
C.V. (%)	16.8	10.4	11.9

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

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

TABLE 31D. ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
 AT LOGAN, UT 2/
 1999 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	OCTOBER 98	MAY 99	MEAN
BOREAL	4.3	7.0	5.7
JASPER II	3.7	7.0	5.3
SALSA	4.3	6.3	5.3
SHADEMASTER II	3.7	7.0	5.3
PATHFINDER	3.7	6.7	5.2
COMMON CREEPING RED	4.3	5.7	5.0
ISI FRR 7	3.0	7.0	5.0
PST-EFL	3.3	6.7	5.0
ISI FRR 5	3.0	6.7	4.8
SHADEMARK	3.7	6.0	4.8
SRX 52961	3.0	6.7	4.8
ASC 082	3.0	6.3	4.7
ASC 087	3.0	6.3	4.7
FLORENTINE	3.7	5.7	4.7
PST-47TCR	3.3	6.0	4.7
SRX 52LAV	3.3	6.0	4.7
BAR CF 8 FUS1	3.0	6.0	4.5
ABT-CR-3	3.0	5.7	4.3
DGSC 94	3.3	5.3	4.3
ABT-CR-2	3.0	5.3	4.2
ASC 172	2.3	5.7	4.0
PST-4FR	3.0	4.7	3.8
LSD VALUE	1.2	1.3	1.0
C.V. (%)	17.4	10.9	10.8

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

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

TABLE 31E. ESTABLISHMENT RATINGS OF HARD FESCUE CULTIVARS 1/
AT LOGAN, UT 2/
1999 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	OCTOBER 98	MAY 99	MEAN
ABT-HF1	3.3	8.0	5.7
ATTILA E	3.3	7.7	5.5
DISCOVERY	3.7	7.3	5.5
SCALDIS	3.0	8.0	5.5
DEFIANT	3.3	7.3	5.3
NORDIC (E)	3.0	7.7	5.3
OXFORD	3.3	7.3	5.3
ABT-HF-2	3.3	7.0	5.2
BAR HF 8 FUS	3.0	7.3	5.2
BIGHORN	3.3	7.0	5.2
RELIANT II	3.7	6.7	5.2
SCALDIS II (AHF 008)	3.0	7.3	5.2
HERON	3.0	7.0	5.0
ISI FL 12	3.0	7.0	5.0
PICK FF A-97	3.0	7.0	5.0
4001	3.0	6.7	4.8
OSPREY	2.3	7.3	4.8
RESCUE 911	3.0	6.7	4.8
AHF 009	2.7	6.7	4.7
ISI FL 11	3.0	6.3	4.7
SRX 3961	2.7	6.7	4.7
ABT-HF-3	3.3	5.7	4.5
ABT-HF-4	2.7	6.3	4.5
MB-82	1.3	5.3	3.3
LSD VALUE	1.0	2.1	1.1
C.V. (%)	17.6	12.6	10.9

TABLE 31F. ESTABLISHMENT RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
AT LOGAN, UT 2/
1999 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE

NAME	OCTOBER 98	MAY 99	MEAN
SR 3200	3.0	7.0	5.0
SR 6000	3.7	6.3	5.0
MINOTAUR	3.0	6.3	4.7
PST-4MB	2.7	6.3	4.5
QUAIRO	2.7	6.3	4.5
LSD VALUE	-	-	-
C.V. (%)	19.7	15.6	15.5

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

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

TABLE 32A. NET BLOTCH RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	NJ2	NAME	NJ2
DISCOVERY	8.0	NORDIC (E)	5.7
ABT-HF1	7.7	PST-EFL	5.7
BIGHORN	7.3	RESCUE 911	5.7
ISI FL 11	7.3	ABT-CHW-3	5.5
SRX 3961	7.3	ABT-CR-2	5.3
ABT-HF-4	7.0	ASR 049	5.3
LONGFELLOW II	7.0	CULOMBRA	5.3
SCALDIS	7.0	FLORENTINE	5.3
SCALDIS II (AHF 008)	7.0	INTRIGUE	5.3
ABT-HF-2	6.7	PST-4FR	5.3
ATTILA E	6.7	SHADEMASTER II	5.3
BAR HF 8 FUS	6.7	SR 5100	5.3
HERON	6.7	ABT-CR-3	5.0
MAGIC	6.7	ACF 092	5.0
OSPREY	6.7	BRITTANY	5.0
OXFORD	6.7	DEFIANT	5.0
PST-4MB	6.7	PICK FRC 4-92	5.0
SR 3200	6.7	SANDPIPER	5.0
4001	6.3	SRX 52961	5.0
ABT-CHW-1	6.3	PATHFINDER	4.7
PICK FF A-97	6.3	PST-47TCR	4.7
RELIANT II	6.3	SALSA	4.7
SHADOW II	6.3	ACF 083	4.3
TREAZURE (E)	6.3	BRIDGEPORT	4.3
ABT-HF-3	6.0	ISI FRR 5	4.3
BANNER III	6.0	JAMESTOWN II	4.3
BAR CHF 8 FUS2	6.0	JASPER II	4.3
BAR SCF 8 FUS3	6.0	SHADEMARK	4.3
ISI FL 12	6.0	SR 6000	4.3
MB-82	6.0	ASC 082	4.0
MINOTAUR	6.0	BOREAL	3.7
PICK FRC A-93	6.0	ASC 087	3.3
PST-4HM	6.0	DAWSON E+	3.3
QUATRO	6.0	DGSC 94	3.3
SEABREEZE	6.0	SRX 52LAV	3.3
TIFFANY	6.0	BAR CF 8 FUS1	3.0
ABT-CHW-2	5.7	COMMON CREEPING RED	3.0
AHF 009	5.7	ASC 172	2.0
AMBASSADOR	5.7		
ISI FRR 7	5.7	LSD VALUE	1.6
MB-63	5.7	C.V. (%)	17.9

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

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

TABLE 32B. NET BLOTCH RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	NJ2
LONGFELLOW II	7.0
MAGIC	6.7
ABT-CHW-1	6.3
SHADOW II	6.3
TREAZURE (E)	6.3
BANNER III	6.0
BAR CHF 8 FUS2	6.0
PICK FRC A-93	6.0
PST-4HM	6.0
TIFFANY	6.0
ABT-CHW-2	5.7
AMBASSADOR	5.7
MB-63	5.7
ABT-CHW-3	5.5
CULOMBRA	5.3
INTRIGUE	5.3
SR 5100	5.3
ACF 092	5.0
BRITTANY	5.0
PICK FRC 4-92	5.0
SANDPIPER	5.0
ACF 083	4.3
BRIDGEPORT	4.3
JAMESTOWN II	4.3
LSD VALUE	1.4
C.V. (%)	15.0

TABLE 32C. NET BLOTCH RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	NJ2
BAR SCF 8 FUS3	6.0
SEABREEZE	6.0
ASR 049	5.3
DAWSON E+	3.3
LSD VALUE	1.3
C.V. (%)	15.8

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

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

TABLE 32D. NET BLOTCH RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	NJ2
ISI FRR 7	5.7
PST-EFL	5.7
ABT-CR-2	5.3
FLORENTINE	5.3
PST-4FR	5.3
SHADEMASTER II	5.3
ABT-CR-3	5.0
SRX 52961	5.0
PATHFINDER	4.7
PST-47TCR	4.7
SALSA	4.7
ISI FRR 5	4.3
JASPER II	4.3
SHADEMARK	4.3
ASC 082	4.0
BOREAL	3.7
ASC 087	3.3
DGSC 94	3.3
SRX 52LAV	3.3
BAR CF 8 FUS1	3.0
COMMON CREEPING RED	3.0
ASC 172	2.0
LSD VALUE	1.9
C.V. (%)	27.5

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

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

TABLE 32E. NET BLOTCH RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	NJ2
DISCOVERY	8.0
ABT-HF1	7.7
BIGHORN	7.3
ISI FL 11	7.3
SRX 3961	7.3
ABT-HF-4	7.0
SCALDIS	7.0
SCALDIS II (AHF 008)	7.0
ABT-HF-2	6.7
ATTILA E	6.7
BAR HF 8 FUS	6.7
HERON	6.7
OSPREY	6.7
OXFORD	6.7
4001	6.3
PICK FF A-97	6.3
RELIANT II	6.3
ABT-HF-3	6.0
ISI FL 12	6.0
MB-82	6.0
AHF 009	5.7
NORDIC (E)	5.7
RESCUE 911	5.7
DEFIANT	5.0
LSD VALUE	1.5
C.V. (%)	14.0

TABLE 32F. NET BLOTCH RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	NJ2
PST-4MB	6.7
SR 3200	6.7
MINOTAUR	6.0
QUATRO	6.0
SR 6000	4.3
LSD VALUE	1.8
C.V. (%)	18.5

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

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

TABLE 33A. OVERALL DISEASE RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1999 DATA

OVERALL DISEASE RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	MI1	NAME	MI1
QUATRO	6.0	SCALDIS	3.3
SR 6000	6.0	SHADOW II	3.3
BAR CHF 8 FUS2	5.7	SRX 52961	3.3
COMMON CREEPING RED	5.7	SRX 521AV	3.3
SANDPIPER	5.7	ATTILA E	3.0
JAMESTOWN II	5.3	BIGHORN	3.0
MB-63	5.3	FLORENTINE	3.0
TIFFANY	5.3	JASPER II	3.0
BANNER III	5.0	ABT-CHW-3	2.7
BOREAL	5.0	ABT-CR-2	2.7
BRITTANY	5.0	ABT-HF-2	2.7
CULOMBRA	5.0	ABT-HF-3	2.7
ACF 083	4.7	ISI FL 11	2.7
DISCOVERY	4.7	ISI FRR 7	2.7
SEABREEZE	4.7	LONGFELLOW II	2.7
SHADEMARK	4.7	PICK FRC A-93	2.7
DEFIANT	4.3	SR 3200	2.7
DGSC 94	4.3	4001	2.3
PICK FRC 4-92	4.3	ABT-CHW-2	2.3
EST-4FR	4.3	BAR SCF 8 FUS3	2.3
SHADEMASTER II	4.3	INTRIGUE	2.3
ABT-CR-3	4.0	ISI FL 12	2.3
ASC 087	4.0	OSPREY	2.3
ASC 172	4.0	PST-EFL	2.3
MAGIC	4.0	RELIANT II	2.3
PATHFINDER	4.0	ABT-HF-4	2.0
RESCUE 911	4.0	ABT-HF1	2.0
SALSA	4.0	AHF 009	2.0
ABT-CHW-1	3.7	AMBASSADOR	2.0
ACF 092	3.7	ASR 049	2.0
ASC 082	3.7	DAWSON E+	2.0
NORDIC (E)	3.7	ISI FRR 5	2.0
OXFORD	3.7	MB-82	2.0
SCALDIS II (AHF 008)	3.7	PST-4MB	2.0
BAR CF 8 FUS1	3.3	SR 5100	2.0
BAR HF 8 FUS	3.3	SRX 3961	2.0
BRIDGEPORT	3.3	TREAZURE (E)	2.0
HERON	3.3	MINOTAUR	1.3
PICK FF A-97	3.3		
EST-47TCR	3.3	LSD VALUE	1.9
EST-4HM	3.3	C.V. (%)	33.9

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

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

TABLE 33B. OVERALL DISEASE RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1999 DATA

OVERALL DISEASE RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	MI1
BAR CHF 8 FUS2	5.7
SANDPIPER	5.7
JAMESTOWN II	5.3
MB-63	5.3
TIFFANY	5.3
BANNER III	5.0
BRITTANY	5.0
CULOMBRA	5.0
ACF 083	4.7
PICK FRC 4-92	4.3
MAGIC	4.0
ABT-CHW-1	3.7
ACF 092	3.7
BRIDGEPORT	3.3
PST-4HM	3.3
SHADOW II	3.3
ABT-CHW-3	2.7
LONGFELLOW II	2.7
PICK FRC A-93	2.7
ABT-CHW-2	2.3
INTRIGUE	2.3
AMBASSADOR	2.0
SR 5100	2.0
TREAZURE (E)	2.0
LSD VALUE	1.9
C.V. (%)	30.7

TABLE 33C. OVERALL DISEASE RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

OVERALL DISEASE RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	MI1
SEABREEZE	4.7
BAR SCF 8 FUS3	2.3
ASR 049	2.0
DAWSON E+	2.0
LSD VALUE	1.9
C.V. (%)	43.3

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

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

TABLE 33D. OVERALL DISEASE RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
1999 DATA

OVERALL DISEASE RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	MI1
COMMON CREEPING RED	5.7
BOREAL	5.0
SHADEMARK	4.7
DGSC 94	4.3
PST-4FR	4.3
SHADEMASTER II	4.3
ABT-CR-3	4.0
ASC 087	4.0
ASC 172	4.0
PATHFINDER	4.0
SALSA	4.0
ASC 082	3.7
BAR CF 8 FUS1	3.3
PST-47TCR	3.3
SRX 52961	3.3
SRX 52LAV	3.3
FLORENTINE	3.0
JASPER II	3.0
ABT-CR-2	2.7
ISI FRR 7	2.7
PST-EFL	2.3
ISI FRR 5	2.0
LSD VALUE	2.1
C.V. (%)	35.4

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

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

TABLE 33E. OVERALL DISEASE RATINGS OF HARD FESCUE CULTIVARS 1/
1999 DATA

OVERALL DISEASE RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	MI1
DISCOVERY	4.7
DEFIANT	4.3
RESCUE 911	4.0
NORDIC (E)	3.7
OXFORD	3.7
SCALDIS II (AHF 008)	3.7
BAR HF 8 FUS	3.3
HERON	3.3
PICK FF A-97	3.3
SCALDIS	3.3
ATTILA E	3.0
BIGHORN	3.0
ABT-HF-2	2.7
ABT-HF-3	2.7
ISI FL 11	2.7
4001	2.3
ISI FL 12	2.3
OSPREY	2.3
RELIANT II	2.3
ABT-HF-4	2.0
ABT-HF1	2.0
AHF 009	2.0
MB-82	2.0
SRX 3961	2.0
LSD VALUE	1.7
C.V. (%)	36.9

TABLE 33F. OVERALL DISEASE RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
1999 DATA

OVERALL DISEASE RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	MI1
QUATRO	6.0
SR 6000	6.0
SR 3200	2.7
PST-4MB	2.0
MINOTAUR	1.3
LSD VALUE	1.4
C.V. (%)	23.8

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

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

TABLE 34A. PERCENT BROWN PATCH RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 AT LEXINGTON, KY 2/
 1999 DATA

NAME	JULY	AUGUST	MEAN
DAWSON E+	11.0	94.0	52.5
ASR 049	6.7	91.3	49.0
BOREAL	16.3	80.0	48.2
SR 6000	0.0	91.0	45.5
COMMON CREEPING RED	8.3	78.3	43.3
QUATRO	0.0	85.0	42.5
JAMESTOWN II	6.7	73.3	40.0
SR 3200	0.0	66.7	33.3
SHADEMARK	18.3	44.3	31.3
BAR CHF 8 FUS2	4.0	58.3	31.2
ABT-CHW-1	0.0	56.7	28.3
PICK FRC 4-92	4.0	50.0	27.0
SANDPIPER	0.0	46.7	23.3
SEABREEZE	0.0	43.3	21.7
MAGIC	6.7	36.3	21.5
ASC 172	15.7	26.7	21.2
PICK FF A-97	0.0	41.0	20.5
DGSC 94	15.7	24.7	20.2
BIGHORN	0.0	38.0	19.0
MB-82	0.0	38.0	19.0
PST-4HM	0.0	38.0	19.0
SRX 52LAV	18.3	18.0	18.2
ABT-HF-4	0.0	35.7	17.8
NORDIC (E)	0.0	35.7	17.8
TIFFANY	0.0	35.7	17.8
BANNER III	1.7	33.3	17.5
HERON	0.0	33.3	16.7
ASC 082	25.0	8.0	16.5
ATILIA E	0.0	32.3	16.2
ABT-HF-3	0.0	30.0	15.0
MINOTAUR	0.0	30.0	15.0
ABT-CR-2	12.0	17.7	14.8
ACF 092	0.0	29.7	14.8
SR 5100	0.0	29.7	14.8
PST-4FR	6.3	20.3	13.3
CULOMBRA	0.0	26.0	13.0
PST-EFL	9.0	16.3	12.7
SCALDIS	0.0	25.0	12.5
BAR CF 8 FUS1	15.7	8.3	12.0
BRITTANY	0.0	23.3	11.7
PST-47TCR	10.0	12.3	11.2
FLORENTINE	11.3	10.3	10.8
ABT-HF-2	0.0	20.7	10.3
BRIDGEPORT	2.0	18.7	10.3
PATHFINDER	9.3	11.0	10.2
4001	0.0	19.3	9.7
ASC 087	4.3	15.0	9.7

TABLE 34A. PERCENT BROWN PATCH RATINGS OF FINELEAF FESCUE CULTIVARS
 (CONT'D) AT LEXINGTON, KY
 1999 DATA

NAME	JULY	AUGUST	MEAN
ISI FRR 5	8.3	10.7	9.5
OSPREY	0.0	18.3	9.2
SALSA	2.3	15.3	8.8
ACF 083	0.0	15.7	7.8
AMBASSADOR	0.0	15.7	7.8
MB-63	0.0	15.7	7.8
SCALDIS II (AHF 008)	0.0	14.0	7.0
AHF 009	0.0	13.7	6.8
ISI FL 11	0.0	13.7	6.8
ABT-HF1	0.0	13.0	6.5
ISI FRR 7	2.3	9.7	6.0
PST-4MB	0.0	11.7	5.8
BAR SCF 8 FUS3	0.0	11.0	5.5
ABT-CHW-2	0.0	10.3	5.2
DISCOVERY	0.0	10.3	5.2
OXFORD	0.0	10.3	5.2
RELIANT II	0.0	10.0	5.0
SHADOW II	0.0	9.0	4.5
ABT-CR-3	0.0	8.3	4.2
RESCUE 911	0.0	8.3	4.2
INTRIGUE	0.0	7.7	3.8
SHADEMASTER II	3.3	4.3	3.8
ABT-CHW-3	0.0	7.3	3.7
BAR HF 8 FUS	0.0	7.3	3.7
DEFIANT	0.0	7.0	3.5
ISI FL 12	0.0	7.0	3.5
SRX 52961	0.0	6.3	3.2
SRX 3961	0.0	5.7	2.8
PICK FRC A-93	0.0	5.0	2.5
TREAZURE (E)	0.0	5.0	2.5
JASPER II	2.0	2.7	2.3
LONGFELLOW II	0.0	3.3	1.7
LSD VALUE	8.4	18.2	9.7
C.V. (%)	155.7	45.7	43.4

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

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

TABLE 34B. PERCENT BROWN PATCH RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
 AT LEXINGTON, KY 2/
 1999 DATA

NAME	JULY	AUGUST	MEAN
JAMESTOWN II	6.7	73.3	40.0
BAR CHF 8 FUS2	4.0	58.3	31.2
ABT-CHW-1	0.0	56.7	28.3
PICK FRC 4-92	4.0	50.0	27.0
SANDPIPER	0.0	46.7	23.3
MAGIC	6.7	36.3	21.5
PST-4HM	0.0	38.0	19.0
TIFFANY	0.0	35.7	17.8
BANNER III	1.7	33.3	17.5
ACF 092	0.0	29.7	14.8
SR 5100	0.0	29.7	14.8
CULOMBRA	0.0	26.0	13.0
BRITTANY	0.0	23.3	11.7
BRIDGEPORT	2.0	18.7	10.3
ACF 083	0.0	15.7	7.8
AMBASSADOR	0.0	15.7	7.8
MB-63	0.0	15.7	7.8
ABT-CHW-2	0.0	10.3	5.2
SHADOW II	0.0	9.0	4.5
INTRIGUE	0.0	7.7	3.8
ABT-CHW-3	0.0	7.3	3.7
PICK FRC A-93	0.0	5.0	2.5
TREAZURE (E)	0.0	5.0	2.5
LONGFELLOW II	0.0	3.3	1.7
LSD VALUE	11.4	22.9	10.8
C.V. (%)	349.5	52.2	48.6

TABLE 34C. PERCENT BROWN PATCH RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
 AT LEXINGTON, KY 2/
 1999 DATA

NAME	JULY	AUGUST	MEAN
DAWSON E+	11.0	94.0	52.5
ASR 049	6.7	91.3	49.0
SEABREEZE	0.0	43.3	21.7
BAR SCF 8 FUS3	0.0	11.0	5.5
LSD VALUE	11.3	26.2	16.0
C.V. (%)	117.5	22.3	25.3

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

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

TABLE 34D. PERCENT BROWN PATCH RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
 AT LEXINGTON, KY 2/
 1999 DATA

NAME	JULY	AUGUST	MEAN
BOREAL	16.3	80.0	48.2
COMMON CREEPING RED	8.3	78.3	43.3
SHADEMARK	18.3	44.3	31.3
ASC 172	15.7	26.7	21.2
DGSC 94	15.7	24.7	20.2
SRX 52LAV	18.3	18.0	18.2
ASC 082	25.0	8.0	16.5
ABT-CR-2	12.0	17.7	14.8
PST-4FR	6.3	20.3	13.3
PST-EFL	9.0	16.3	12.7
BAR CF 8 FUS1	15.7	8.3	12.0
PST-47TCR	10.0	12.3	11.2
FLORENTINE	11.3	10.3	10.8
PATHFINDER	9.3	11.0	10.2
ASC 087	4.3	15.0	9.7
ISI FRR 5	8.3	10.7	9.5
SALSA	2.3	15.3	8.8
ISI FRR 7	2.3	9.7	6.0
ABT-CR-3	0.0	8.3	4.2
SHADEMASTER II	3.3	4.3	3.8
SRX 52961	0.0	6.3	3.2
JASPER II	2.0	2.7	2.3
LSD VALUE	16.8	11.1	8.3
C.V. (%)	82.9	36.4	36.5

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

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

TABLE 34E. PERCENT BROWN PATCH RATINGS OF HARD FESCUE CULTIVARS 1/
 AT LEXINGTON, KY 2/
 1999 DATA

NAME	JULY	AUGUST	MEAN
PICK FF A-97	0	41.0	20.5
BIGHORN	0	38.0	19.0
MB-82	0	38.0	19.0
ABT-HF-4	0	35.7	17.8
NORDIC (E)	0	35.7	17.8
HERON	0	33.3	16.7
ATTILA E	0	32.3	16.2
ABT-HF-3	0	30.0	15.0
SCALDIS	0	25.0	12.5
ABT-HF-2	0	20.7	10.3
4001	0	19.3	9.7
OSPREY	0	18.3	9.2
SCALDIS II (AHF 008)	0	14.0	7.0
AHF 009	0	13.7	6.8
ISI FL 11	0	13.7	6.8
ABT-HF1	0	13.0	6.5
DISCOVERY	0	10.3	5.2
OXFORD	0	10.3	5.2
RELIANT II	0	10.0	5.0
RESCUE 911	0	8.3	4.2
BAR HF 8 FUS	0	7.3	3.7
DEFIANT	0	7.0	3.5
ISI FL 12	0	7.0	3.5
SRX 3961	0	5.7	2.8
LSD VALUE	-	27.1	13.6
C.V. (%)	.	66.8	66.8

TABLE 34F. PERCENT BROWN PATCH RATINGS OF OTHER FINELEAF FESCUE CULTIVARS 1/
 AT LEXINGTON, KY 2/
 1999 DATA

NAME	JULY	AUGUST	MEAN
SR 6000	0	91.0	45.5
QUATRO	0	85.0	42.5
SR 3200	0	66.7	33.3
MINOTAUR	0	30.0	15.0
PST-4MB	0	11.7	5.8
LSD VALUE	-	20.9	10.4
C.V. (%)	.	20.4	20.4

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

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