

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

Executive Director - Dr. Robert Shearman, University of Nebraska

National Program Coordinator - Kevin N. Morris, National Turfgrass Federation, Inc.

CURRENT POLICY COMMITTEE MEMBERS:

Dr. Richard White, Texas A&M University
Dr. Anthony Koski, Colorado State University
Dr. Thomas Fermanian, University of Illinois
Dr. Gerald Pepin, Pickseed West, Inc.
Dr. Bridget Ruummele, University of Rhode Island
Mr. Al Gardner, A-G Turf Farms, Inc.
Dr. Michael Kenna, USGA Green Section
Ms. Crystal Rose-Fricker, Pure-Seed Testing, Inc.

FOR ADDITIONAL REPORTS OR INFORMATION WRITE:

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

CONTENTS

1989 National Fineleaf Fescue Test - 1993 data

LOCATIONS SUBMITTING DATA FOR 1993.....1

NATIONAL FINELEAF FESCUE TEST, 1989 - Entries and Sponsors.....2

Table A - 1993 Locations, Site Descriptions and Management
Practices in the 1989 National Fineleaf Fescue Test.....3

Table B - Locations and Data Collected in 1993.....4

Table 1A - Mean Turfgrass Quality Ratings of Fineleaf Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....5

Table 1B - Mean Turfgrass Quality Ratings of Creeping Red Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....7

Table 1C - Mean Turfgrass Quality Ratings of Slender Creeping Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....7

Table 1D - Mean Turfgrass Quality Ratings of Chewings Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....8

Table 1E - Mean Turfgrass Quality Ratings of Hard Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....9

Table 1F - Mean Turfgrass Quality Ratings of Sheep Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....9

Table 2A - Mean Turfgrass Quality Ratings of Fineleaf Fescue Cultivars
for Each Month Grown at Sixteen Locations in the U.S. and Canada...10

Table 2B - Mean Turfgrass Quality Ratings of Creeping Red Fescue Cultivars
for Each Month Grown at Sixteen Locations in the U.S. and Canada...12

Table 2C - Mean Turfgrass Quality Ratings of Slender Creeping Fescue Cultivars
for Each Month Grown at Sixteen Locations in the U.S. and Canada...12

Table 2D - Mean Turfgrass Quality Ratings of Chewings Fescue Cultivars
for Each Month Grown at Sixteen Locations in the U.S. and Canada...13

Table 2E - Mean Turfgrass Quality Ratings of Hard Fescue Cultivars
for Each Month Grown at Sixteen Locations in the U.S. and Canada...14

Table 2F - Mean Turfgrass Quality Ratings of Sheep Fescue Cultivars
for Each Month Grown at Sixteen Locations in the U.S. and Canada...14

Table 3A - Ranking of Mean Turfgrass Quality Ratings of Fineleaf Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....15

Table 3B - Ranking of Mean Turfgrass Quality Ratings of Creeping Red Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....17

Table 3C - Ranking of Mean Turfgrass Quality Ratings of Slender Creeping Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....17

Table 3D - Ranking of Mean Turfgrass Quality Ratings of Chewings Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....18

Table 3E - Ranking of Mean Turfgrass Quality Ratings of Hard Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....19

Table 3F - Ranking of Mean Turfgrass Quality Ratings of Sheep Fescue
Cultivars at Sixteen Locations in the U.S. and Canada.....19

Table 4A - Genetic Color Ratings of Fineleaf Fescue Cultivars.....20

Table 4B - Genetic Color Ratings of Creeping Red Fescue Cultivars.....21

Table 4C - Genetic Color Ratings of Slender Creeping Fescue Cultivars.....21

Table 4D - Genetic Color Ratings of Chewings Fescue Cultivars.....22

Table 4E - Genetic Color Ratings of Hard Fescue Cultivars.....23

Table 4F - Genetic Color Ratings of Sheep Fescue Cultivars.....23

Table 5A - Spring Greenup Ratings of Fineleaf Fescue Cultivars.....24

CONTENTS (continued)

Table 5B - Spring Greenup Ratings of Creeping Red Fescue Cultivars.....	25
Table 5C - Spring Greenup Ratings of Slender Creeping Fescue Cultivars.....	25
Table 5D - Spring Greenup Ratings of Chewings Fescue Cultivars.....	26
Table 5E - Spring Greenup Ratings of Hard Fescue Cultivars.....	27
Table 5F - Spring Greenup Ratings of Sheep Fescue Cultivars.....	27
Table 6A - Spring Density Ratings of Fineleaf Fescue Cultivars.....	28
Table 6B - Spring Density Ratings of Creeping Red Fescue Cultivars.....	29
Table 6C - Spring Density Ratings of Slender Creeping Fescue Cultivars.....	29
Table 6D - Spring Density Ratings of Chewings Fescue Cultivars.....	30
Table 6E - Spring Density Ratings of Hard Fescue Cultivars.....	31
Table 6F - Spring Density Ratings of Sheep Fescue Cultivars.....	31
Table 7A - Summer Density Ratings of Fineleaf Fescue Cultivars.....	32
Table 7B - Summer Density Ratings of Creeping Red Fescue Cultivars.....	33
Table 7C - Summer Density Ratings of Slender Creeping Fescue Cultivars.....	33
Table 7D - Summer Density Ratings of Chewings Fescue Cultivars.....	34
Table 7E - Summer Density Ratings of Hard Fescue Cultivars.....	35
Table 7F - Summer Density Ratings of Sheep Fescue Cultivars.....	35
Table 8A - Fall Density Ratings of Fineleaf Fescue Cultivars.....	36
Table 8B - Fall Density Ratings of Creeping Red Fescue Cultivars.....	37
Table 8C - Fall Density Ratings of Slender Creeping Fescue Cultivars.....	37
Table 8D - Fall Density Ratings of Chewings Fescue Cultivars.....	38
Table 8E - Fall Density Ratings of Hard Fescue Cultivars.....	39
Table 8F - Fall Density Ratings of Sheep Fescue Cultivars.....	39
Table 9A - Percent Living Ground Cover (Summer) Ratings of Fineleaf Fescue Cultivars.....	40
Table 9B - Percent Living Ground Cover (Summer) Ratings of Creeping Red Fescue Cultivars.....	41
Table 9C - Percent Living Ground Cover (Summer) Ratings of Slender Creeping Fescue Cultivars.....	41
Table 9D - Percent Living Ground Cover (Summer) Ratings of Chewings Fescue Cultivars.....	42
Table 9E - Percent Living Ground Cover (Summer) Ratings of Hard Fescue Cultivars.....	43
Table 9F - Percent Living Ground Cover (Summer) Ratings of Sheep Fescue Cultivars.....	43
Table 10A- Dollar Spot Ratings of Fineleaf Fescue Cultivars.....	44
Table 10B- Dollar Spot Ratings of Creeping Red Fescue Cultivars.....	45
Table 10C- Dollar Spot Ratings of Slender Creeping Fescue Cultivars.....	45
Table 10D- Dollar Spot Ratings of Chewings Fescue Cultivars.....	46
Table 10E- Dollar Spot Ratings of Hard Fescue Cultivars.....	47
Table 10F- Dollar Spot Ratings of Sheep Fescue Cultivars.....	47
Table 11A- Red Thread Ratings of Fineleaf Fescue Cultivars.....	48
Table 11B- Red Thread Ratings of Creeping Red Fescue Cultivars.....	49
Table 11C- Red Thread Ratings of Slender Creeping Fescue Cultivars.....	49
Table 11D- Red Thread Ratings of Chewings Fescue Cultivars.....	50
Table 11E- Red Thread Ratings of Hard Fescue Cultivars.....	51
Table 11F- Red Thread Ratings of Sheep Fescue Cultivars.....	51

LOCATIONS SUBMITTING DATA FOR 1993

<u>State</u>	<u>Location</u>	<u>Code</u>
Illinois	Carbondale	IL2
Iowa	Ames	IA1
Kentucky	Lexington	KY1
Maryland	Beltsville	UB1
Maryland	Silver Spring	MD1
Michigan	East Lansing	MI1
New Jersey	North Brunswick	NJ1
New Jersey	North Brunswick (low maintenance)	NJ2
New Jersey	Adelphia	NJ3
Oregon	Hubbard (dense shade)	OR2
Oregon	Summary of data collected at Halsey and Hubbard	OR9
Pennsylvania	University Park	PA1
Pennsylvania	University Park (mowed 6 times/year)	PA2
Rhode Island	Kingston	RI1
Saskatchewan	Saskatoon	SK1
Washington	Pullman	WA1

1989 NATIONAL FINELEAF FESCUE TEST

Entries and Sponsors

Entry No.	Name	Species	Sponsor	Entry No.	Name	Species	Sponsor
1	Serra	hard	Willamette Seed Co.	51	HF 138	slender creeping	Advanta Seeds West, Inc
2	Elanor	creeping red	DLF-Trifolium (USA)	52	Jamestown	chewings	Loft's Seed Co.
3	Dover (NK 82492)	chewings	Medalist America	53	Jamestown II	chewings	Loft's Seed Co.
4	Franklin	creeping red	Advanta Seeds West, Inc.	54	Reliant-no endophyte	hard	Loft's Seed Co.
5	Camaro	chewings	Advanta Seeds West, Inc.	55	Reliant-w/endophyte	hard	Loft's Seed Co.
6	Sylvester	creeping red	Advanta Seeds West, Inc.	56	Dawson	slender creeping	Advanta Seeds West, Inc.
7	Molinda	chewings	O. M. Scott & Sons	57	Silvana	hard	O. M. Scott & Sons
8	Brigade (Melody)	hard	O. M. Scott & Sons	58	Biljart	hard	Advanta Seeds West, Inc.
9	Sylvia (WW Rs 130)	creeping red	E. F. Burlingham & Son	59	Waldorf	chewings	Advanta Seeds West, Inc.
10	WW Rs 143	creeping red	E. F. Burlingham & Son	60	Epsom	chewings	Advanta Seeds West, Inc.
11	WW Rs 138	creeping red	E. F. Burlingham & Son	61	Bargena	creeping red	Barenbrug USA
12	Mx 86	sheep	Jacklin Seed Co.	62	Bargena II (BAR Fr8RC3)	creeping red	Barenbrug USA
13	Scaldis	hard	Advanta Seeds West, Inc.	63	Vista	creeping red	Zajac Performance Seeds
14	Attila	hard	KWS Seeds	64	Bridgeport (N-105)	chewings	Barenbrug USA
15	Barskol (BAR Fr 9P)	slender creeping	Barenbrug USA	65	Revere (NK 88001)	creeping red	Medalist America
16	Barlotte	slender creeping	Barenbrug USA	66	Southport	chewings	Jonathan Green & Son
17	Bargreen	chewings	Barenbrug USA	67	Salem	creeping red	Jonathan Green & Son
18	Barcrown	slender creeping	Barenbrug USA	68	Rainbow	chewings	Advanta Seeds West, Inc.
19	Barnica	chewings	Barenbrug USA	69	Raymond	chewings	Advanta Seeds West, Inc.
20	Barlander (BAR Fr 9F)	chewings	Barenbrug USA	70	Trophy (Estoril)	chewings	International Seeds
21	Sunset (ZW 42-158)	creeping red	Limagrain Genetics	71	Valda	hard	International Seeds
22	Smirna (ZW 42-160)	slender creeping	Limagrain Genetics	72	Capitol	chewings	Ampac Seed Company
23	SR 3100 (SRX 89-31)	hard	Seed Research of Oregon	73	Eureka	hard	International Seeds
24	SR 3000	hard	Seed Research of Oregon	74	Herald	creeping red	International Seeds
25	SR 5000	chewings	Seed Research of Oregon	75	Claudia	creeping red	Ampac Seed Company
26	Barreppo	hard	Barenbrug USA	76	Cindy	creeping red	International Seeds
27	Bardur (BAR Fo 9A2)	hard	Barenbrug USA	77	Longfellow	chewings	International Seeds
28	Proformer (JMB-89)	chewings	Genesis Group	78	Ensylva	creeping red	International Seeds
29	Shademaster	creeping red	Turf-Seed, Inc./LESCO, Inc.	79	Enjoy	chewings	International Seeds
30	Discovery (PST-4HD)	hard	Pure-Seed Testing	80	Marker	slender creeping	International Seeds
31	PST-4AG	hard	Pure-Seed Testing	81	Jasper	creeping red	Pickseed West
32	PST-4R3	creeping red	Pure-Seed Testing	82	ERG 1143	chewings	International Seeds
33	PST-43F	creeping red	Pure-Seed Testing	83	Boreal	creeping red	-
34	Aurora	hard	Turf-Seed, Inc.	84	Koket	chewings	E. F. Burlingham & Son
35	Aurora w/endo. (PST-AUE)	hard	Turf-Seed, Inc.	85	Wilma	chewings	E. F. Burlingham & Son
36	Shadow w/endo. (PST-SHE)	chewings	Turf-Seed, Inc.	86	Banner	chewings	E. F. Burlingham & Son
37	Seabreeze (Frt-30149)	slender creeping	Pure-Seed Testing	87	Dignity (OFI 89-200)	chewings	Olsen-Fennel Seed Co.
38	PST-4NI	creeping red	Pure-Seed Testing	88	Collo (LD 3414)	creeping red	Prodana Seeds A/S
39	PST-4FE	chewings	Pure-Seed Testing	89	Talus (LD 3438)	creeping red	Prodana Seeds A/S
40	Bighorn	sheep	Turf-Seed, Inc.	90	Simone (LD 3485)	chewings	Prodana Seeds A/S
41	PST-4C8	creeping red	Pure-Seed Testing	91	Napoli (LD 3488)	slender creeping	Prodana Seeds A/S
42	Shadow	chewings	Turf-Seed, Inc.	92	Puma	chewings	Prodana Seeds A/S
43	Tiffany (PST-4CD)	chewings	Pure-Seed Testing	93	89.LKR	chewings	International Seeds
44	Belvedere	fine fescue	Michigan St. Univ.	94	Warwick	hard	Jonathan Green & Son
45	Flyer	creeping red	Pennington Seed				
46	Atlanta	chewings	Advanta Seeds West, Inc.				
47	Scarlet	chewings	Advanta Seeds West, Inc.				
48	Mary	chewings	Advanta Seeds West, Inc.				
49	Comfort (HF 102)	slender creeping	Advanta Seeds West, Inc.				
50	Fernando (HF 112)	chewings	Advanta Seeds West, Inc.				

TABLE A.

1993 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1989 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
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	271-450	241-375	4.1-5.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
MD1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	0.0-1.0	DENSE SHADE	2.6-3.0	ONLY DURING SEVERE STRESS
MI1	SANDY LOAM	7.1-7.5	-	-	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ1	LOAM	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	LOAM	6.1-6.5	61-150	241-375	0.0-1.0	FULL SUN	2.6-3.0	NO IRRIGATION
NJ3	LOAM	5.6-6.0	61-150	151-240	1.1-2.0	FULL SUN	1.6-2.0	NO IRRIGATION
OR2	SILT LOAM AND SILT	5.6-6.0	151-270	241-375	4.1-5.0	DENSE SHADE	2.1-2.5	TO PREVENT DORMANCY
OR9	-	-	-	-	-	-	-	-
PA1	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
PA2	SILT LOAM AND SILT	5.6-6.0	61-150	-	0.0-1.0	FULL SUN	3.6-4.0	NO IRRIGATION
RI1	SILT LOAM AND SILT	6.6-7.0	-	0-150	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
SK1	SILTY CLAY LOAM	7.1-7.5	-	-	-	FULL SUN	2.1-2.5	NO IRRIGATION
UB1	SILT LOAM AND SILT	6.1-6.5	451+	151-240	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
WA1	SILT LOAM AND SILT	6.6-7.0	151-270	501+	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	JANUARY QUALITY RATINGS	FEBRUARY QUALITY RATINGS	MARCH QUALITY RATINGS	APRIL QUALITY RATINGS	MAY QUALITY RATINGS	JUNE QUALITY RATINGS	JULY QUALITY RATINGS	AUGUST QUALITY RATINGS	SEPTEMBER QUALITY RATINGS	OCTOBER QUALITY RATINGS	NOVEMBER QUALITY RATINGS	DECEMBER QUALITY RATINGS
IA1					X	X	X	X				
IL2				X	X	X	X					
KY1			X	X	X	X	X	X	X	X		
MD1				X	X							
MI1						X	X		X			
NJ1				X	X	X	X	X	X	X		X
NJ2				X	X	X	X		X	X		X
NJ3				X	X	X	X					
OR2				X	X	X		X	X	X		
OR9	X	X	X	X	X	X	X	X	X	X	X	
PA1					X	X	X	X	X			
PA2					X	X		X		X		X
RI1					X	X	X	X	X	X	X	
SK1					X	X	X	X	X	X		
UB1				X	X	X		X		X	X	
WA1				X	X		X					

TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	GENETIC COLOR RATINGS	SPRING GREENUP RATINGS	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SUMMER	DOLLAR SPOT	RED THREAD
IA1								
IL2								
KY1								
MD1								
MI1								
NJ1						X		X
NJ2								
NJ3						X		
OR2								
OR9	X							
PA1	X	X	X				X	
PA2	X	X						
RI1		X						
SK1			X	X	X			
UB1								
WA1								

TABLE 1A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																
	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
* WARWICK	6.6	.	5.5	6.0	.	7.0	5.2	5.7	5.6	5.6	.	.	5.9	.	5.2	6.1	5.9
* DISCOVERY (PST-4HD)	6.8	4.7	5.9	5.7	4.8	7.0	5.6	6.1	6.0	5.2	7.4	5.6	6.1	4.8	5.6	6.2	5.8
* BRIDGEPORT (N-105)	7.0	6.8	6.3	5.8	5.2	6.0	4.6	5.2	5.2	5.9	5.3	3.9	6.0	4.9	5.9	5.9	5.6
* SR 3100 (SRX 89-31)	6.7	6.2	4.7	6.0	4.4	7.0	4.5	6.5	4.4	4.8	6.0	5.5	6.4	5.6	4.9	5.8	5.6
RELIAANT-W/ ENDOHYTE	6.4	5.3	5.6	5.7	4.6	6.5	4.9	5.8	4.8	5.4	6.9	5.4	5.8	4.7	5.0	6.1	5.6
* SOUTHPORT	7.3	5.8	6.0	4.8	5.4	6.3	4.8	5.0	5.4	6.0	5.1	3.8	6.3	4.6	5.6	6.6	5.6
89.LKR	7.4	.	5.9	5.5	.	4.4	4.8	4.3	6.0	6.0	6.9	3.7	6.0	.	4.6	6.7	5.5
* JAMESTOWN II	7.1	6.8	6.1	5.5	5.3	5.7	4.8	4.8	5.3	5.6	4.7	4.1	5.8	4.9	5.8	6.2	5.5
* SR 5000	7.1	5.7	6.1	5.3	5.3	6.3	4.8	4.8	5.4	5.7	5.2	4.0	6.0	4.3	6.2	6.0	5.5
* PROFORMER (JMB-89)	7.0	5.2	6.2	5.5	5.3	5.4	4.3	5.2	5.7	5.9	5.3	4.1	5.8	5.2	5.6	6.4	5.5
* TIFFANY (PST-4CD)	6.9	5.2	6.1	5.5	5.7	5.7	4.2	4.8	4.9	6.2	5.5	3.8	5.9	5.5	5.0	6.2	5.4
PST-43F	7.3	5.7	5.7	5.8	5.0	5.2	4.1	4.8	6.2	6.2	5.8	3.6	5.8	5.6	3.7	6.3	5.4
* LONGFELLOW	6.9	7.1	5.7	5.7	4.9	4.7	4.2	4.4	4.6	5.9	5.5	3.8	5.9	5.1	5.8	6.6	5.4
* SR 3000	6.8	5.3	4.9	6.0	4.6	6.0	4.9	3.3	4.0	5.0	6.7	5.5	5.9	5.4	5.3	6.6	5.4
* SHADOW W/ENDO. (PST-SHE)	7.4	4.5	5.9	4.7	4.9	6.0	4.2	5.3	5.7	6.0	5.2	3.9	6.0	5.2	5.4	5.8	5.4
* AURORA	6.3	5.6	5.1	6.0	4.8	4.6	4.8	3.8	5.3	5.1	6.9	5.3	5.8	4.9	5.3	6.2	5.4
PST-4R3	7.1	6.5	5.5	5.3	5.0	5.8	4.8	4.6	6.1	6.0	4.8	3.3	5.3	5.1	4.6	5.9	5.4
* AURORA W/ENDO. (PST-AUE)	6.3	4.9	5.3	5.5	4.8	4.9	5.2	3.5	5.3	5.2	6.4	5.5	5.9	4.8	5.7	6.0	5.3
* BILJART	6.5	6.2	4.4	6.2	4.8	4.4	4.3	3.1	4.9	5.3	6.9	5.3	5.7	5.3	5.8	5.7	5.3
PST-4AG	6.3	5.4	5.0	5.5	4.9	4.8	6.3	2.7	4.6	5.4	6.9	5.3	5.5	5.0	5.1	5.4	5.3
* BRIGADE (MELODY)	6.3	5.3	5.6	5.5	4.2	6.2	5.0	4.1	4.5	4.0	6.9	4.9	5.7	4.6	5.6	5.6	5.2
* VALDA	6.1	3.6	3.1	5.5	5.1	5.4	5.8	4.8	4.9	4.8	6.6	5.0	6.3	5.3	4.8	6.6	5.2
* DIGNITY (OFI 89-200)	7.1	4.4	5.5	4.8	4.9	4.8	4.3	4.4	5.7	5.8	5.5	4.1	6.0	5.1	4.7	6.3	5.2
PST-4NI	6.7	6.0	5.5	5.0	5.8	3.9	4.1	3.9	6.2	5.4	5.2	3.5	5.9	5.0	4.3	6.0	5.2
* SILVANA	6.3	4.8	4.3	6.0	4.6	5.8	4.9	3.8	3.5	5.2	6.5	4.9	5.6	5.1	5.4	5.7	5.1
* BANNER	7.3	6.1	4.7	5.5	5.3	5.2	4.0	3.8	4.9	5.8	4.6	3.8	5.9	4.7	4.8	6.0	5.1
EPSOM	7.3	6.1	2.5	5.8	4.6	4.8	4.1	4.5	5.3	5.4	5.0	.	5.8	4.8	5.1	6.2	5.1
* RELIAANT-NO ENDOHYTE	6.3	4.3	5.7	5.3	4.6	5.7	4.7	3.0	3.4	5.3	7.1	4.9	5.6	5.5	4.9	5.8	5.1
* SCALDIS	6.3	2.3	4.6	5.8	4.8	5.5	5.9	4.5	4.1	4.8	6.1	5.1	5.5	5.4	5.1	6.2	5.1
* JASPER	6.8	5.6	4.8	5.2	5.3	4.2	3.6	4.5	5.8	6.0	5.1	3.5	5.8	5.4	4.3	5.8	5.1
* SALEM	6.3	5.6	5.5	5.5	5.1	4.6	4.0	4.5	5.8	6.1	4.4	3.5	5.3	5.2	3.6	6.2	5.1
PST-4FE	7.2	3.6	5.5	5.3	5.6	4.7	4.2	3.6	5.0	6.3	5.3	4.0	5.8	4.8	3.8	6.6	5.1
* EUREKA	6.1	3.8	5.0	5.2	4.8	5.3	4.4	3.0	4.1	4.8	6.9	5.1	5.9	5.4	5.1	6.2	5.1
* HERALD	7.1	6.8	4.2	5.5	5.7	4.3	3.4	3.7	6.5	5.5	4.6	3.8	5.4	5.6	3.7	5.4	5.1
* BIGHORN	5.9	4.5	5.1	5.5	5.1	4.9	4.8	3.9	5.2	4.5	5.9	5.1	6.0	4.7	4.7	4.7	5.0
* SERRA	6.0	3.3	5.3	5.5	4.3	6.0	5.1	4.4	3.4	4.2	6.4	5.3	5.4	5.0	5.2	5.7	5.0
* FLYER	6.3	5.3	5.2	5.5	4.8	4.6	4.1	3.7	5.8	6.0	5.0	3.6	5.4	5.0	3.9	6.2	5.0
* ATTILA	6.8	4.7	4.6	5.2	4.8	3.9	3.8	2.3	4.7	5.1	7.1	5.2	5.8	5.3	4.8	6.2	5.0
* SHADEMASTER	6.5	5.9	5.4	5.3	4.4	5.5	3.9	4.0	5.9	5.5	4.1	3.6	5.0	4.8	4.8	5.3	5.0
HF 138	6.9	5.6	5.2	5.7	5.3	3.8	3.8	4.2	5.7	5.8	4.7	3.4	5.4	5.1	3.2	6.2	5.0
PST-4C8	6.8	6.0	5.2	5.0	5.0	3.6	3.8	4.3	6.3	6.3	4.1	3.6	5.3	4.7	3.8	5.9	5.0
* VISTA	6.7	5.5	5.3	5.2	4.7	5.1	3.9	3.8	6.3	5.7	4.0	3.6	5.2	4.8	3.9	6.0	5.0
* SEABREEZE (FRT-30149)	7.1	4.1	3.3	5.5	4.9	4.2	3.4	4.1	6.7	6.1	5.8	3.3	6.0	5.4	3.3	6.2	5.0
* BARGREEN	7.4	3.5	3.3	4.7	5.0	4.3	4.1	4.0	5.4	6.2	6.1	4.2	6.0	5.3	3.4	6.2	5.0
* CINDY	6.9	5.7	3.7	5.2	5.6	3.3	3.7	4.3	6.3	5.9	4.8	3.6	5.8	5.9	2.9	5.7	4.9
* TROPHY (ESTORIL)	6.4	4.5	3.5	5.0	4.9	4.8	4.7	3.7	4.7	6.1	6.0	4.2	5.9	5.6	2.6	6.4	4.9
* SHADOW	6.8	4.5	5.2	5.5	5.6	4.3	3.7	4.3	4.6	5.4	5.3	3.8	5.7	4.4	4.2	5.6	4.9
* JAMESTOWN	7.2	5.5	4.9	5.5	5.0	3.7	4.5	3.8	4.7	5.7	4.2	3.7	5.7	5.1	4.1	5.7	4.9
* ATLANTA	7.3	4.4	3.8	5.2	5.6	3.7	3.7	3.0	5.4	5.7	5.5	3.8	5.9	5.1	3.9	6.3	4.9
* NAPOLI (LD 3488)	7.3	4.7	3.0	5.7	5.3	3.6	4.0	4.2	6.8	5.6	4.6	3.4	6.0	5.4	2.5	6.1	4.9

TABLE 1A.
(CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
* ENJOY	7.0	5.5	3.5	5.0	5.2	3.4	3.9	3.6	5.5	5.7	5.7	3.8	6.4	4.8	2.5	6.7	4.9
* BARREPPPO	5.6	4.5	4.1	4.7	5.0	4.0	4.9	2.8	4.5	5.0	6.1	4.3	5.6	5.3	5.2	5.6	4.8
* WALDORF	6.3	2.8	3.4	5.7	4.6	4.8	3.3	4.4	4.3	5.5	5.3	4.2	5.9	5.3	5.0	6.1	4.8
* BARDUR (BAR FO 9A2)	6.6	3.2	4.8	5.5	5.1	3.1	4.5	1.9	4.6	4.8	6.8	5.1	5.4	4.9	4.3	6.0	4.8
* BARCROWN	7.1	2.9	3.3	5.0	5.0	4.0	2.7	4.2	7.0	5.6	5.8	3.4	6.2	4.7	3.4	6.3	4.8
COLLO (LD 3414)	6.4	5.5	4.3	5.2	5.1	4.3	3.5	4.1	5.2	5.0	4.5	3.3	5.5	5.2	3.3	6.0	4.8
BELVEDERE	6.6	5.0	4.7	5.7	4.8	4.3	3.5	3.4	4.4	5.2	5.1	3.5	5.2	5.4	4.0	5.4	4.8
* MARY	7.3	4.4	3.9	5.2	4.8	3.7	3.7	3.5	5.4	5.8	5.5	3.8	5.9	4.8	1.7	6.7	4.7
* ENSYLVA	6.2	5.7	4.8	5.2	5.0	4.1	4.0	3.8	4.8	5.8	4.3	3.5	5.6	4.4	3.6	5.3	4.7
* MX 86	4.4	4.3	4.5	5.8	5.1	4.5	6.5	3.5	3.5	4.2	4.8	4.9	5.2	4.5	4.9	4.9	4.7
WW RS 138	6.3	4.6	4.5	5.7	4.8	3.2	4.5	3.3	5.9	5.8	4.5	3.3	5.1	5.3	3.2	5.4	4.7
* REVERE (NK 88001)	6.4	5.1	4.1	5.0	4.8	3.9	2.2	3.8	5.4	5.4	5.1	.	5.3	5.0	3.5	5.8	4.7
* SMIRNA (ZW 42-160)	7.1	5.3	1.4	5.7	5.1	4.0	2.8	2.7	5.4	5.6	4.4	.	5.5	5.7	3.9	5.8	4.7
* SCARLET	7.0	5.5	3.3	5.2	4.9	3.9	3.6	2.7	5.2	5.8	5.7	3.9	5.8	5.2	1.8	5.8	4.7
* MOLINDA	7.1	4.7	3.9	5.2	4.8	3.6	4.0	3.3	5.5	5.5	5.0	3.5	5.4	5.1	2.1	6.4	4.7
* WILMA	7.0	4.8	4.6	4.8	5.3	3.0	3.4	2.9	4.5	5.7	4.7	3.7	5.8	4.8	3.7	6.1	4.7
* BARLANDER (BAR FR 9F)	7.0	4.5	4.3	5.7	4.3	3.8	3.2	2.8	4.6	6.0	5.9	4.3	5.4	4.5	1.9	6.0	4.6
* DAWSON	6.8	3.8	2.6	5.2	5.7	3.7	3.0	2.9	6.2	5.7	4.8	3.7	5.3	5.3	3.3	6.1	4.6
* BARSKOL (BAR FR 9P)	6.8	3.6	2.5	5.2	4.8	3.8	3.3	4.3	5.4	6.0	4.7	3.5	5.8	5.5	2.8	6.1	4.6
* CLAUDIA	6.4	5.0	4.8	5.2	5.0	3.7	3.3	4.0	5.2	5.6	4.0	3.4	5.3	4.5	2.8	5.6	4.6
* BARGENA II (BAR FR8RC3)	5.9	6.1	5.1	4.7	5.0	3.7	3.1	3.3	4.9	5.5	4.3	3.3	5.1	4.8	2.8	5.9	4.6
* CAMARO	7.1	4.3	3.2	5.2	4.9	3.7	4.6	3.7	4.1	5.5	4.9	3.7	5.5	4.7	2.3	6.2	4.6
WW RS 143	6.6	5.9	4.0	4.8	4.9	3.6	3.8	3.0	4.8	5.5	4.5	3.3	4.9	5.2	3.3	5.3	4.6
* SYLVIA (WW RS 130)	6.3	4.6	3.2	5.2	5.1	3.9	3.7	3.6	5.3	5.6	4.7	3.6	5.2	4.6	2.8	5.9	4.6
RAINBOW	7.3	4.3	2.3	5.0	5.2	3.3	3.2	3.3	4.7	5.7	5.9	4.0	5.7	4.8	1.8	6.4	4.6
* CAPITOL	6.8	3.0	3.6	4.5	5.2	4.1	3.4	2.8	5.6	5.5	5.3	3.9	5.4	4.6	3.0	6.2	4.5
* RAYMOND	6.8	2.3	2.8	5.0	4.9	3.9	4.7	3.3	4.4	5.8	5.3	3.7	6.0	4.8	2.4	6.2	4.5
FERNANDO (HF 112)	7.0	3.8	2.3	5.2	5.0	3.3	4.6	3.4	3.8	5.8	6.1	4.1	6.0	4.6	1.4	6.0	4.5
* MARKER	6.8	3.8	1.8	5.2	4.8	3.0	2.6	3.8	5.7	5.9	4.7	3.7	5.8	5.4	3.1	6.3	4.5
* BOREAL	6.3	4.9	4.8	5.0	5.0	3.3	3.3	3.3	5.6	5.5	3.9	3.5	5.0	4.4	2.8	5.8	4.5
* BARGENA	6.3	6.0	4.0	4.8	4.8	3.9	3.7	3.3	4.1	5.5	4.3	3.4	5.0	4.3	3.5	5.0	4.5
TALUS (LD 3438)	6.6	3.9	3.2	4.8	4.6	3.8	2.9	3.8	6.0	4.8	4.8	3.6	5.0	4.4	3.6	6.0	4.5
SIMONE (LD 3485)	7.4	3.0	2.5	5.5	5.1	3.0	4.7	3.2	5.1	5.0	5.0	3.6	5.8	5.1	1.8	5.9	4.5
* SUNSET (ZW 42-158)	6.3	5.5	4.3	4.8	5.1	3.9	2.8	3.1	4.8	5.3	4.7	3.4	4.7	4.9	2.5	5.1	4.5
* PUMA	6.8	3.5	2.7	5.7	4.6	4.0	3.7	3.0	4.8	5.4	4.9	3.9	5.7	4.3	2.5	5.9	4.4
ERG 1143	6.9	3.6	2.4	5.5	4.4	2.8	3.3	3.7	4.8	5.4	4.7	3.8	5.6	4.9	2.2	6.4	4.4
FRANKLIN	6.3	4.4	4.5	5.2	5.1	3.1	3.8	2.7	5.3	4.8	4.4	3.3	4.8	4.7	2.1	5.9	4.4
COMFORT (HF 102)	6.6	3.3	2.6	5.2	4.4	4.0	3.7	2.8	5.3	5.7	4.9	3.6	5.4	4.9	1.9	5.7	4.4
* BARNICA	6.8	2.7	3.4	5.2	5.0	3.3	3.7	2.6	4.4	5.4	5.0	3.6	5.5	4.2	2.2	5.9	4.3
* SYLVESTER	5.8	3.6	4.0	5.0	4.8	3.1	3.3	3.3	5.1	5.3	4.3	3.1	4.9	5.1	2.5	5.7	4.3
* DOVER (NK 82492)	6.9	2.3	1.5	5.3	4.9	3.1	3.2	4.3	4.5	5.1	4.5	3.6	5.3	4.6	3.5	6.0	4.3
* BARLOTTE	6.8	3.9	1.8	4.7	5.1	3.9	2.7	3.4	4.6	5.3	5.3	2.9	4.9	5.1	2.3	5.3	4.2
* KOKET	6.5	3.3	3.6	5.2	4.9	2.6	3.8	3.1	4.3	5.2	4.3	3.7	5.4	4.7	1.6	5.6	4.2
* ELANOR	5.6	3.6	3.8	3.8	4.4	2.8	3.7	3.2	4.2	5.5	5.3	3.5	4.8	4.7	2.9	5.8	4.2
LSD VALUE	0.8	2.0	1.4	1.0	0.8	1.1	1.4	0.9	1.2	0.6	0.8	0.5	0.7	1.1	1.3	0.7	0.3

* COMMERCIALY AVAILABLE IN THE USA IN 1994

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

TABLE 1B.

MEAN TURFGRASS QUALITY RATINGS OF CREEPING RED FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
PST-43F	7.3	5.7	5.7	5.8	5.0	5.2	4.1	4.8	6.2	6.2	5.8	3.6	5.8	5.6	3.7	6.3	5.4
PST-4R3	7.1	6.5	5.5	5.3	5.0	5.8	4.8	4.6	6.1	6.0	4.8	3.3	5.3	5.1	4.6	5.9	5.4
PST-4NI	6.7	6.0	5.5	5.0	5.8	3.9	4.1	3.9	6.2	5.4	5.2	3.5	5.9	5.0	4.3	6.0	5.2
JASPER	6.8	5.6	4.8	5.2	5.3	4.2	3.6	4.5	5.8	6.0	5.1	3.5	5.8	5.4	4.3	5.8	5.1
SALEM	6.3	5.6	5.5	5.5	5.1	4.6	4.0	4.5	5.8	6.1	4.4	3.5	5.3	5.2	3.6	6.2	5.1
HERALD	7.1	6.8	4.2	5.5	5.7	4.3	3.4	3.7	6.5	5.5	4.6	3.8	5.4	5.6	3.7	5.4	5.1
FLYER	6.3	5.3	5.2	5.5	4.8	4.6	4.1	3.7	5.8	6.0	5.0	3.6	5.4	5.0	3.9	6.2	5.0
SHADEMASTER	6.5	5.9	5.4	5.3	4.4	5.5	3.9	4.0	5.9	5.5	4.1	3.6	5.0	4.8	4.8	5.3	5.0
PST-4C8	6.8	6.0	5.2	5.0	5.0	3.6	3.8	4.3	6.3	6.3	4.1	3.6	5.3	4.7	3.8	5.9	5.0
VISTA	6.7	5.5	5.3	5.2	4.7	5.1	3.9	3.8	6.3	5.7	4.0	3.6	5.2	4.8	3.9	6.0	5.0
CINDY	6.9	5.7	3.7	5.2	5.6	3.3	3.7	4.3	6.3	5.9	4.8	3.6	5.8	5.9	2.9	5.7	4.9
COLLO (LD 3414)	6.4	5.5	4.3	5.2	5.1	4.3	3.5	4.1	5.2	5.0	4.5	3.3	5.5	5.2	3.3	6.0	4.8
BELVEDERE	6.6	5.0	4.7	5.7	4.8	4.3	3.5	3.4	4.4	5.2	5.1	3.5	5.2	5.4	4.0	5.4	4.8
ENSYLVA	6.2	5.7	4.8	5.2	5.0	4.1	4.0	3.8	4.8	5.8	4.3	3.5	5.6	4.4	3.6	5.3	4.7
WW RS 138	6.3	4.6	4.5	5.7	4.8	3.2	4.5	3.3	5.9	5.8	4.5	3.3	5.1	5.3	3.2	5.4	4.7
REVERE (NK 88001)	6.4	5.1	4.1	5.0	4.8	3.9	2.2	3.8	5.4	5.4	5.1	.	5.3	5.0	3.5	5.8	4.7
CLAUDIA	6.4	5.0	4.8	5.2	5.0	3.7	3.3	4.0	5.2	5.6	4.0	3.4	5.3	4.5	2.8	5.6	4.6
BARGENA II (BAR FR8RC3)	5.9	6.1	5.1	4.7	5.0	3.7	3.1	3.3	4.9	5.5	4.3	3.3	5.1	4.8	2.8	5.9	4.6
WW RS 143	6.6	5.9	4.0	4.8	4.9	3.6	3.8	3.0	4.8	5.5	4.5	3.3	4.9	5.2	3.3	5.3	4.6
SYLVIA (WW RS 130)	6.3	4.6	3.2	5.2	5.1	3.9	3.7	3.6	5.3	5.6	4.7	3.6	5.2	4.6	2.8	5.9	4.6
BOREAL	6.3	4.9	4.8	5.0	5.0	3.3	3.3	3.3	5.6	5.5	3.9	3.5	5.0	4.4	2.8	5.8	4.5
BARGENA	6.3	6.0	4.0	4.8	4.8	3.9	3.7	3.3	4.1	5.5	4.3	3.4	5.0	4.3	3.5	5.0	4.5
TALUS (LD 3438)	6.6	3.9	3.2	4.8	4.6	3.8	2.9	3.8	6.0	4.8	4.8	3.6	5.0	4.4	3.6	6.0	4.5
SUNSET (ZW 42-158)	6.3	5.5	4.3	4.8	5.1	3.9	2.8	3.1	4.8	5.3	4.7	3.4	4.7	4.9	2.5	5.1	4.5
FRANKLIN	6.3	4.4	4.5	5.2	5.1	3.1	3.8	2.7	5.3	4.8	4.4	3.3	4.8	4.7	2.1	5.9	4.4
SYLVESTER	5.8	3.6	4.0	5.0	4.8	3.1	3.3	3.3	5.1	5.3	4.3	3.1	4.9	5.1	2.5	5.7	4.3
ELANOR	5.6	3.6	3.8	3.8	4.4	2.8	3.7	3.2	4.2	5.5	5.3	3.5	4.8	4.7	2.9	5.8	4.2
LSD VALUE	0.7	1.6	1.3	1.0	0.6	0.8	1.0	1.0	1.2	0.5	0.8	0.4	0.8	1.1	1.0	0.8	0.2

TABLE 1C.

MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
HF 138	6.9	5.6	5.2	5.7	5.3	3.8	3.8	4.2	5.7	5.8	4.7	3.4	5.4	5.1	3.2	6.2	5.0
SEABREEZE (FRT-30149)	7.1	4.1	3.3	5.5	4.9	4.2	3.4	4.1	6.7	6.1	5.8	3.3	6.0	5.4	3.3	6.2	5.0
NAPOLI (LD 3488)	7.3	4.7	3.0	5.7	5.3	3.6	4.0	4.2	6.8	5.6	4.6	3.4	6.0	5.4	2.5	6.1	4.9
BARCROWN	7.1	2.9	3.3	5.0	5.0	4.0	2.7	4.2	7.0	5.6	5.8	3.4	6.2	4.7	3.4	6.3	4.8
SMIRNA (ZW 42-160)	7.1	5.3	1.4	5.7	5.1	4.0	2.8	2.7	5.4	5.6	4.4	.	5.5	5.7	3.9	5.8	4.7
DAWSON	6.8	3.8	2.6	5.2	5.7	3.7	3.0	2.9	6.2	5.7	4.8	3.7	5.3	5.3	3.3	6.1	4.6
BARSKOL (BAR FR 9P)	6.8	3.6	2.5	5.2	4.8	3.8	3.3	4.3	5.4	6.0	4.7	3.5	5.8	5.5	2.8	6.1	4.6
MARKER	6.8	3.8	1.8	5.2	4.8	3.0	2.6	3.8	5.7	5.9	4.7	3.7	5.8	5.4	3.1	6.3	4.5
COMFORT (HF 102)	6.6	3.3	2.6	5.2	4.4	4.0	3.7	2.8	5.3	5.7	4.9	3.6	5.4	4.9	1.9	5.7	4.4
BARLOTTE	6.8	3.9	1.8	4.7	5.1	3.9	2.7	3.4	4.6	5.3	5.3	2.9	4.9	5.1	2.3	5.3	4.2
LSD VALUE	0.6	2.1	1.1	1.0	1.0	1.5	1.1	0.8	1.2	0.5	0.9	0.6	0.6	0.8	1.3	0.5	0.3

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

TABLE 1D.

MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																
	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
BRIDGEPORT (N-105)	7.0	6.8	6.3	5.8	5.2	6.0	4.6	5.2	5.2	5.9	5.3	3.9	6.0	4.9	5.9	5.9	5.6
SOUTHPORT	7.3	5.8	6.0	4.8	5.4	6.3	4.8	5.0	5.4	6.0	5.1	3.8	6.3	4.6	5.6	6.6	5.6
89.LKR	7.4	.	5.9	5.5	.	4.4	4.8	4.3	6.0	6.0	6.9	3.7	6.0	.	4.6	6.7	5.5
JAMESTOWN II	7.1	6.8	6.1	5.5	5.3	5.7	4.8	4.8	5.3	5.6	4.7	4.1	5.8	4.9	5.8	6.2	5.5
SR 5000	7.1	5.7	6.1	5.3	5.3	6.3	4.8	4.8	5.4	5.7	5.2	4.0	6.0	4.3	6.2	6.0	5.5
PROFORMER (JMB-89)	7.0	5.2	6.2	5.5	5.3	5.4	4.3	5.2	5.7	5.9	5.3	4.1	5.8	5.2	5.6	6.4	5.5
TIFFANY (PST-4CD)	6.9	5.2	6.1	5.5	5.7	5.7	4.2	4.8	4.9	6.2	5.5	3.8	5.9	5.5	5.0	6.2	5.4
LONGFELLOW	6.9	7.1	5.7	5.7	4.9	4.7	4.2	4.4	4.6	5.9	5.5	3.8	5.9	5.1	5.8	6.6	5.4
SHADOW W/ENDO. (PST-SHE)	7.4	4.5	5.9	4.7	4.9	6.0	4.2	5.3	5.7	6.0	5.2	3.9	6.0	5.2	5.4	5.8	5.4
DIGNITY (OFI 89-200)	7.1	4.4	5.5	4.8	4.9	4.8	4.3	4.4	5.7	5.8	5.5	4.1	6.0	5.1	4.7	6.3	5.2
BANNER	7.3	6.1	4.7	5.5	5.3	5.2	4.0	3.8	4.9	5.8	4.6	3.8	5.9	4.7	4.8	6.0	5.1
EPSOM	7.3	6.1	2.5	5.8	4.6	4.8	4.1	4.5	5.3	5.4	5.0	.	5.8	4.8	5.1	6.2	5.1
PST-4FE	7.2	3.6	5.5	5.3	5.6	4.7	4.2	3.6	5.0	6.3	5.3	4.0	5.8	4.8	3.8	6.6	5.1
BARGREEN	7.4	3.5	3.3	4.7	5.0	4.3	4.1	4.0	5.4	6.2	6.1	4.2	6.0	5.3	3.4	6.2	5.0
TROPHY (ESTORIL)	6.4	4.5	3.5	5.0	4.9	4.8	4.7	3.7	4.7	6.1	6.0	4.2	5.9	5.6	2.6	6.4	4.9
SHADOW	6.8	4.5	5.2	5.5	5.6	4.3	3.7	4.3	4.6	5.4	5.3	3.8	5.7	4.4	4.2	5.6	4.9
JAMESTOWN	7.2	5.5	4.9	5.5	5.0	3.7	4.5	3.8	4.7	5.7	4.2	3.7	5.7	5.1	4.1	5.7	4.9
ATLANTA	7.3	4.4	3.8	5.2	5.6	3.7	3.7	3.0	5.4	5.7	5.5	3.8	5.9	5.1	3.9	6.3	4.9
ENJOY	7.0	5.5	3.5	5.0	5.2	3.4	3.9	3.6	5.5	5.7	5.7	3.8	6.4	4.8	2.5	6.7	4.9
WALDORF	6.3	2.8	3.4	5.7	4.6	4.8	3.3	4.4	4.3	5.5	5.3	4.2	5.9	5.3	5.0	6.1	4.8
MARY	7.3	4.4	3.9	5.2	4.8	3.7	3.7	3.5	5.4	5.8	5.5	3.8	5.9	4.8	1.7	6.7	4.7
SCARLET	7.0	5.5	3.3	5.2	4.9	3.9	3.6	2.7	5.2	5.8	5.7	3.9	5.8	5.2	1.8	5.8	4.7
MOLINDA	7.1	4.7	3.9	5.2	4.8	3.6	4.0	3.3	5.5	5.5	5.0	3.5	5.4	5.1	2.1	6.4	4.7
WILMA	7.0	4.8	4.6	4.8	5.3	3.0	3.4	2.9	4.5	5.7	4.7	3.7	5.8	4.8	3.7	6.1	4.7
BARLANDER (BAR FR 9F)	7.0	4.5	4.3	5.7	4.3	3.8	3.2	2.8	4.6	6.0	5.9	4.3	5.4	4.5	1.9	6.0	4.6
CAMARO	7.1	4.3	3.2	5.2	4.9	3.7	4.6	3.7	4.1	5.5	4.9	3.7	5.5	4.7	2.3	6.2	4.6
RAINBOW	7.3	4.3	2.3	5.0	5.2	3.3	3.2	3.3	4.7	5.7	5.9	4.0	5.7	4.8	1.8	6.4	4.6
CAPITOL	6.8	3.0	3.6	4.5	5.2	4.1	3.4	2.8	5.6	5.5	5.3	3.9	5.4	4.6	3.0	6.2	4.5
RAYMOND	6.8	2.3	2.8	5.0	4.9	3.9	4.7	3.3	4.4	5.8	5.3	3.7	6.0	4.8	2.4	6.2	4.5
FERNANDO (HF 112)	7.0	3.8	2.3	5.2	5.0	3.3	4.6	3.4	3.8	5.8	6.1	4.1	6.0	4.6	1.4	6.0	4.5
SIMONE (LD 3485)	7.4	3.0	2.5	5.5	5.1	3.0	4.7	3.2	5.1	5.0	5.0	3.6	5.8	5.1	1.8	5.9	4.5
PUMA	6.8	3.5	2.7	5.7	4.6	4.0	3.7	3.0	4.8	5.4	4.9	3.9	5.7	4.3	2.5	5.9	4.4
ERG 1143	6.9	3.6	2.4	5.5	4.4	2.8	3.3	3.7	4.8	5.4	4.7	3.8	5.6	4.9	2.2	6.4	4.4
BARNICA	6.8	2.7	3.4	5.2	5.0	3.3	3.7	2.6	4.4	5.4	5.0	3.6	5.5	4.2	2.2	5.9	4.3
DOVER (NK 82492)	6.9	2.3	1.5	5.3	4.9	3.1	3.2	4.3	4.5	5.1	4.5	3.6	5.3	4.6	3.5	6.0	4.3
KOKET	6.5	3.3	3.6	5.2	4.9	2.6	3.8	3.1	4.3	5.2	4.3	3.7	5.4	4.7	1.6	5.6	4.2
LSD VALUE	0.8	2.1	1.5	1.0	0.9	1.1	1.3	1.0	1.0	0.5	0.7	0.5	0.7	1.0	1.4	0.6	0.3

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

TABLE 1E.

MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																
	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
WARWICK	6.6	.	5.5	6.0	.	7.0	5.2	5.7	5.6	5.6	.	.	5.9	.	5.2	6.1	5.9
DISCOVERY (PST-4HD)	6.8	4.7	5.9	5.7	4.8	7.0	5.6	6.1	6.0	5.2	7.4	5.6	6.1	4.8	5.6	6.2	5.8
SR 3100 (SRX 89-31)	6.7	6.2	4.7	6.0	4.4	7.0	4.5	6.5	4.4	4.8	6.0	5.5	6.4	5.6	4.9	5.8	5.6
RELIANT-W/ ENDOPHYTE	6.4	5.3	5.6	5.7	4.6	6.5	4.9	5.8	4.8	5.4	6.9	5.4	5.8	4.7	5.0	6.1	5.6
SR 3000	6.8	5.3	4.9	6.0	4.6	6.0	4.9	3.3	4.0	5.0	6.7	5.5	5.9	5.4	5.3	6.6	5.4
AURORA	6.3	5.6	5.1	6.0	4.8	4.6	4.8	3.8	5.3	5.1	6.9	5.3	5.8	4.9	5.3	6.2	5.4
AURORA W/ENDO. (PST-AUE)	6.3	4.9	5.3	5.5	4.8	4.9	5.2	3.5	5.3	5.2	6.4	5.5	5.9	4.8	5.7	6.0	5.3
BILJART	6.5	6.2	4.4	6.2	4.8	4.4	4.3	3.1	4.9	5.3	6.9	5.3	5.7	5.3	5.8	5.7	5.3
PST-4AG	6.3	5.4	5.0	5.5	4.9	4.8	6.3	2.7	4.6	5.4	6.9	5.3	5.5	5.0	5.1	5.4	5.3
BRIGADE (MELODY)	6.3	5.3	5.6	5.5	4.2	6.2	5.0	4.1	4.5	4.0	6.9	4.9	5.7	4.6	5.6	5.6	5.2
VALDA	6.1	3.6	3.1	5.5	5.1	5.4	5.8	4.8	4.9	4.8	6.6	5.0	6.3	5.3	4.8	6.6	5.2
SILVANA	6.3	4.8	4.3	6.0	4.6	5.8	4.9	3.8	3.5	5.2	6.5	4.9	5.6	5.1	5.4	5.7	5.1
RELIANT-NO ENDOPHYTE	6.3	4.3	5.7	5.3	4.6	5.7	4.7	3.0	3.4	5.3	7.1	4.9	5.6	5.5	4.9	5.8	5.1
SCALDIS	6.3	2.3	4.6	5.8	4.8	5.5	5.9	4.5	4.1	4.8	6.1	5.1	5.5	5.4	5.1	6.2	5.1
EUREKA	6.1	3.8	5.0	5.2	4.8	5.3	4.4	3.0	4.1	4.8	6.9	5.1	5.9	5.4	5.1	6.2	5.1
SERRA	6.0	3.3	5.3	5.5	4.3	6.0	5.1	4.4	3.4	4.2	6.4	5.3	5.4	5.0	5.2	5.7	5.0
ATTILA	6.8	4.7	4.6	5.2	4.8	3.9	3.8	2.3	4.7	5.1	7.1	5.2	5.8	5.3	4.8	6.2	5.0
BARREPPPO	5.6	4.5	4.1	4.7	5.0	4.0	4.9	2.8	4.5	5.0	6.1	4.3	5.6	5.3	5.2	5.6	4.8
BARDUR (BAR FO 9A2)	6.6	3.2	4.8	5.5	5.1	3.1	4.5	1.9	4.6	4.8	6.8	5.1	5.4	4.9	4.3	6.0	4.8
LSD VALUE	1.1	2.2	1.1	1.0	0.9	1.3	2.2	1.0	1.5	0.8	0.7	0.5	0.5	1.1	1.5	0.7	0.3

TABLE 1F.

MEAN TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																
	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
BIGHORN	5.9	4.5	5.1	5.5	5.1	4.9	4.8	3.9	5.2	4.5	5.9	5.1	6.0	4.7	4.7	4.7	5.0
MX 86	4.4	4.3	4.5	5.8	5.1	4.5	6.5	3.5	3.5	4.2	4.8	4.9	5.2	4.5	4.9	4.9	4.7
LSD VALUE	0.7	1.9	2.0	0.9	0.8	0.5	1.8	0.8	1.4	1.0	1.1	0.4	0.6	1.7	0.8	0.8	0.3

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

TABLE 2A. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH MONTH GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1993 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
WARWICK	5.7	5.3	5.0	5.6	6.2	6.3	6.1	5.8	5.2	5.4	5.5	6.2	5.9
DISCOVERY (PST-4HD)	5.0	5.3	5.0	5.6	6.2	6.2	6.0	5.9	5.7	5.5	5.2	5.9	5.8
BRIDGEPORT (N-105)	5.0	5.7	6.0	5.5	5.4	5.9	5.7	5.4	5.4	6.0	5.9	5.3	5.6
SR 3100 (SRX 89-31)	4.0	4.0	5.0	5.6	6.0	6.0	6.1	5.5	4.8	4.6	4.6	5.1	5.6
RELIANT-W/ ENDOPHYTE	4.7	4.7	5.5	5.5	5.7	5.9	5.6	5.7	5.2	5.1	5.3	5.3	5.6
SOUTHPORT	4.7	6.0	6.0	5.4	5.5	5.7	5.7	5.5	5.4	5.7	5.9	5.9	5.6
89.LKR	5.7	6.0	5.8	5.1	5.5	5.9	5.5	5.8	5.5	5.2	5.6	4.2	5.5
JAMESTOWN II	5.0	5.0	5.8	5.3	5.4	5.6	5.7	5.4	5.4	5.7	5.8	5.4	5.5
SR 5000	5.0	5.3	6.0	5.3	5.3	5.6	5.5	5.4	5.7	6.0	5.9	5.7	5.5
PROFORMER (JMB-89)	5.3	5.3	6.3	5.5	5.3	5.7	5.5	5.5	5.4	5.6	5.6	4.9	5.5
TIFFANY (PST-4CD)	5.3	6.7	6.7	5.4	5.1	5.6	5.4	5.4	5.7	5.5	5.7	5.0	5.4
PST-43F	5.3	6.0	6.0	5.3	5.3	5.3	5.4	5.5	5.4	5.4	5.3	5.2	5.4
LONGFELLOW	5.0	5.7	5.3	5.5	5.4	5.6	5.5	5.3	5.1	5.1	6.0	4.2	5.4
SR 3000	5.0	4.3	4.8	5.2	5.6	5.8	5.4	5.5	4.9	4.7	4.8	5.1	5.4
SHADOW W/ENDO. (PST-SHE)	5.0	5.7	6.7	5.4	5.0	5.5	5.5	5.7	5.5	5.7	5.8	5.3	5.4
AURORA	5.0	4.7	4.8	5.4	5.8	6.0	5.1	5.2	4.6	4.6	5.1	4.2	5.4
PST-4R3	5.0	5.3	6.0	5.0	4.8	5.3	5.8	5.5	5.4	5.9	5.9	5.8	5.4
AURORA W/ENDO. (PST-AUE)	5.0	4.7	5.0	5.2	5.7	5.9	5.3	5.5	4.9	4.6	5.2	4.4	5.3
BILJART	4.0	4.3	5.3	5.2	5.7	5.9	5.1	5.3	4.5	4.5	5.8	3.9	5.3
PST-4AG	4.3	4.7	5.5	5.2	5.8	5.9	5.1	5.2	5.0	4.6	4.8	5.0	5.3
BRIGADE (MELODY)	3.7	4.0	4.7	5.4	5.7	5.8	4.8	5.3	4.9	4.6	4.6	4.9	5.2
VALDA	4.3	4.3	3.5	5.0	5.3	5.8	5.3	5.2	5.0	4.4	4.9	5.4	5.2
DIGNITY (OFI 89-200)	5.3	5.3	5.3	5.2	5.2	5.6	5.3	5.2	5.1	4.9	5.3	4.6	5.2
SILVANA	4.0	4.0	3.8	4.8	5.4	5.7	5.1	5.1	4.8	4.7	5.6	5.2	5.1
BANNER	4.3	5.7	5.0	4.9	5.0	5.3	5.2	5.2	4.8	5.0	6.0	4.8	5.1
RELIANT-NO ENDOPHYTE	4.7	5.3	5.3	4.9	5.4	5.7	5.1	5.2	5.0	4.6	5.4	4.8	5.1
PST-4NI	4.3	5.0	5.2	5.2	5.0	5.1	5.1	5.1	5.1	5.0	5.8	4.6	5.1
EPSOM	5.0	5.0	3.7	5.2	5.4	5.4	4.8	5.1	4.4	4.3	5.4	4.0	5.1
SCALDIS	4.7	4.3	4.7	5.0	5.4	5.5	5.1	4.9	4.9	4.6	4.9	5.6	5.1
JASPER	5.7	6.0	5.0	5.0	5.1	5.3	5.2	5.2	4.9	4.7	5.3	4.4	5.1
SALEM	5.0	6.3	5.8	5.1	4.9	5.0	5.4	5.1	4.9	4.9	5.3	4.4	5.1
PST-4FE	5.7	6.0	6.7	5.0	4.9	5.3	5.1	5.1	5.3	4.7	5.3	4.3	5.1
EUREKA	4.0	4.0	5.3	5.2	5.3	5.5	4.9	5.1	4.8	4.5	5.1	4.6	5.1
HERALD	5.0	5.7	4.8	4.8	4.7	5.4	5.5	4.9	4.7	4.5	5.2	4.0	5.1
BIGHORN	4.3	3.7	4.3	4.9	5.2	5.5	4.9	5.3	4.8	4.6	5.2	4.3	5.0
SERRA	4.3	4.0	5.0	5.0	5.3	5.3	5.1	5.1	4.5	4.6	4.2	5.6	5.0
FLYER	5.0	6.0	5.8	5.0	4.9	5.0	5.0	5.4	4.7	5.0	5.2	4.9	5.0
ATTILA	5.0	5.0	4.8	4.8	5.4	5.7	4.8	5.4	4.5	4.0	4.3	3.3	5.0
SHADEMASTER	4.7	4.7	5.5	4.8	4.8	5.2	5.0	5.3	4.9	5.1	5.7	4.9	5.0
PST-4C8	5.7	5.7	5.7	5.3	4.9	5.1	5.0	5.0	4.4	4.8	5.3	4.4	5.0
VISTA	5.0	5.7	6.3	5.0	4.8	4.9	4.8	5.0	4.9	5.3	5.1	5.3	5.0
HF 138	5.7	6.7	5.8	4.8	4.7	5.2	5.1	5.2	4.7	4.5	4.8	3.8	5.0
SEABREEZE (FRT-30149)	6.3	6.3	4.5	4.7	4.8	5.1	5.1	5.3	4.9	4.3	5.1	3.6	5.0
BARGREEN	5.3	6.3	4.8	5.0	4.8	5.1	5.0	5.3	4.9	4.5	4.9	4.0	5.0
CINDY	5.3	6.0	5.3	4.7	4.8	5.2	5.2	4.8	4.8	4.3	5.2	3.6	4.9
TROPHY (ESTORIL)	6.7	7.0	4.8	4.8	5.0	5.2	4.9	4.9	4.8	4.6	4.9	4.8	4.9
SHADOW	4.0	5.7	5.7	5.1	4.7	5.0	4.9	5.0	4.6	4.7	5.3	4.0	4.9
JAMESTOWN	5.7	6.0	5.2	5.0	4.8	4.9	4.8	4.9	5.0	4.6	5.3	4.3	4.9
ATLANTA	5.0	6.0	4.3	4.6	5.1	5.2	4.7	4.8	4.8	4.3	5.1	3.4	4.9

TABLE 2A.
(CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH
MONTH GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
NAPOLI (LD 3488)	5.3	6.0	4.5	4.7	5.1	5.4	5.0	4.5	4.3	4.0	4.6	3.8	4.9
ENJOY	5.3	5.7	5.0	4.7	4.7	5.2	5.0	4.7	4.6	4.2	4.8	3.7	4.8
BARREPPPO	4.7	4.7	4.7	4.8	5.0	5.1	4.8	5.1	4.5	4.5	5.1	3.8	4.8
WALDORF	4.7	5.0	4.7	4.9	5.0	4.8	4.3	4.9	4.4	4.5	5.6	4.2	4.8
BARDUR (BAR FO 9A2)	4.0	4.7	5.3	4.9	5.2	5.2	4.2	4.8	4.6	4.2	4.4	3.3	4.8
COLLO (LD 3414)	4.3	4.3	4.3	4.7	4.8	5.0	5.1	4.7	4.3	4.1	4.4	4.2	4.8
BELVEDERE	4.0	4.7	4.2	4.6	4.6	5.0	4.8	4.9	4.6	4.6	4.7	4.1	4.8
BARCROWN	6.0	5.7	4.3	4.6	4.9	4.9	5.0	5.0	4.4	4.0	4.7	3.2	4.7
MARY	5.3	5.7	5.2	4.9	4.8	4.9	4.8	4.7	4.5	4.0	4.7	3.6	4.7
ENSYLVA	4.7	6.0	6.2	4.6	4.1	4.8	5.1	4.7	4.6	4.8	5.6	4.8	4.7
MX 86	3.0	3.3	4.7	4.3	4.4	5.0	4.7	4.8	5.0	4.7	4.8	5.2	4.7
WW RS 138	5.0	5.3	5.5	4.9	4.6	4.9	4.9	4.5	4.3	4.6	4.6	3.8	4.7
REVERE (NK 88001)	4.7	5.7	4.5	4.2	4.8	5.1	4.8	5.0	4.2	4.1	5.0	3.0	4.7
MIRNA (ZW 42-160)	6.0	6.7	3.5	4.1	4.9	5.2	4.7	4.8	3.7	3.8	4.7	3.0	4.7
MOLINDA	6.0	6.7	5.7	4.6	4.5	4.7	4.5	4.6	4.5	4.1	4.7	3.8	4.7
WILMA	5.0	5.7	4.7	4.6	4.6	5.0	4.6	4.7	4.4	4.3	5.6	3.4	4.7
SCARLET	6.0	6.7	5.2	4.6	4.8	4.9	4.7	4.5	4.4	3.9	4.3	3.7	4.7
DAWSON	5.0	6.3	4.5	4.4	4.6	5.0	4.8	4.6	4.0	3.9	4.7	3.3	4.6
BARSKOL (BAR FR 9P)	6.7	7.0	5.2	4.4	4.8	4.9	4.8	4.3	4.2	3.7	4.7	3.2	4.6
CLAUDIA	5.0	5.3	5.7	4.6	4.1	4.6	4.7	4.8	4.5	4.6	4.7	4.1	4.6
BARLANDER (BAR FR 9F)	6.3	7.0	5.7	4.5	4.5	4.8	4.6	4.7	4.4	4.0	4.3	3.6	4.6
BARGENA II (BAR FR8RC3)	5.0	5.7	4.8	4.5	4.2	4.8	4.9	4.7	4.6	4.2	4.6	3.7	4.6
CAMARO	6.0	6.3	5.0	4.8	4.5	4.6	4.2	4.4	4.5	3.9	4.6	4.3	4.6
WW RS 143	4.7	5.3	5.3	4.5	4.4	5.1	4.6	4.4	4.3	4.1	4.6	3.9	4.6
SYLVIA (WW RS 130)	5.3	5.3	4.3	4.5	4.4	4.9	4.6	4.4	4.3	4.0	4.6	4.0	4.6
RAINBOW	5.7	6.3	4.2	4.3	4.8	4.7	4.4	4.4	4.4	3.6	4.6	3.0	4.6
CAPITOL	5.3	5.3	4.7	4.3	4.4	4.7	4.5	4.7	4.6	4.2	4.6	4.3	4.5
RAYMOND	6.3	6.3	4.5	4.2	4.4	4.7	4.7	4.5	4.4	4.1	4.9	4.3	4.5
FERNANDO (HF 112)	6.0	6.7	4.2	4.2	4.4	5.0	4.8	4.3	4.3	3.5	4.2	3.3	4.5
BOREAL	4.7	5.0	4.8	4.6	4.3	4.6	4.7	4.3	4.3	4.2	4.7	3.7	4.5
BARGENA	5.0	5.7	4.8	4.4	4.2	4.6	4.6	4.6	4.5	4.2	5.0	3.9	4.5
TALUS (LD 3438)	4.0	4.3	3.8	4.5	4.7	4.8	4.6	4.5	3.6	3.7	4.4	3.6	4.5
SIMONE (LD 3485)	5.3	5.0	3.7	4.3	4.4	4.6	4.4	4.4	4.4	3.8	4.3	3.7	4.5
MARKER	6.7	7.3	4.3	4.3	4.6	4.7	4.7	4.5	3.6	3.5	4.4	3.0	4.5
SUNSET (ZW 42-158)	4.3	4.7	4.8	4.5	4.1	4.5	4.8	4.6	4.3	4.0	4.6	3.7	4.5
FUMA	5.0	5.7	4.0	4.3	4.4	4.6	4.1	4.3	4.3	4.1	4.6	4.3	4.4
ERG 1143	4.7	5.3	3.3	4.4	4.4	4.6	4.2	4.1	4.2	3.6	4.7	3.3	4.4
FRANKLIN	5.0	4.7	5.2	4.4	4.2	4.5	4.2	4.3	4.3	4.0	3.9	3.7	4.4
COMFORT (HF 102)	6.0	6.7	4.0	3.9	4.2	4.5	4.6	4.5	4.6	3.9	4.7	3.6	4.4
BARNICA	5.3	5.7	4.8	4.3	4.1	4.5	4.3	4.4	4.1	3.6	4.4	3.4	4.3
SYLVESTER	5.0	5.0	4.5	4.5	4.1	4.5	4.4	4.3	4.1	3.7	4.4	3.1	4.3
DOVER (NK 82492)	4.0	4.3	3.2	4.1	4.5	4.3	4.1	4.3	3.8	3.6	4.9	2.9	4.3
KOKET	4.3	5.3	5.3	4.2	4.2	4.4	4.3	3.9	4.0	3.6	4.1	3.3	4.2
ELANOR	4.7	5.3	5.7	4.4	4.2	4.5	4.4	4.1	3.9	3.7	4.7	3.2	4.2
BARLOTTE	5.3	5.7	3.3	4.0	4.3	4.7	4.2	4.1	4.1	3.1	4.0	2.9	4.2
ISD VALUE	1.1	1.1	1.4	0.7	0.6	0.6	0.8	0.8	0.8	0.8	1.6	1.2	0.5

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

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING RED FESCUE CULTIVARS FOR EACH MONTH GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
EST-43F	5.3	6.0	6.0	5.3	5.3	5.3	5.4	5.5	5.4	5.4	5.3	5.2	5.4
EST-4R3	5.0	5.3	6.0	5.0	4.8	5.3	5.8	5.5	5.4	5.9	5.9	5.8	5.4
EST-4NI	4.3	5.0	5.2	5.2	5.0	5.1	5.1	5.1	5.1	5.0	5.8	4.6	5.1
JASPER	5.7	6.0	5.0	5.0	5.1	5.3	5.2	5.2	4.9	4.7	5.3	4.4	5.1
SALEM	5.0	6.3	5.8	5.1	4.9	5.0	5.4	5.1	4.9	4.9	5.3	4.4	5.1
HERALD	5.0	5.7	4.8	4.8	4.7	5.4	5.5	4.9	4.7	4.5	5.2	4.0	5.1
FLYER	5.0	6.0	5.8	5.0	4.9	5.0	5.0	5.4	4.7	5.0	5.2	4.9	5.0
SHADEMASTER	4.7	4.7	5.5	4.8	4.8	5.2	5.0	5.3	4.9	5.1	5.7	4.9	5.0
EST-4C8	5.7	5.7	5.7	5.3	4.9	5.1	5.0	5.0	4.4	4.8	5.3	4.4	5.0
VISTA	5.0	5.7	6.3	5.0	4.8	4.9	4.8	5.0	4.9	5.3	5.1	5.3	5.0
CINDY	5.3	6.0	5.3	4.7	4.8	5.2	5.2	4.8	4.8	4.3	5.2	3.6	4.9
COLLO (LD 3414)	4.3	4.3	4.3	4.7	4.8	5.0	5.1	4.7	4.3	4.1	4.4	4.2	4.8
BELVEDERE	4.0	4.7	4.2	4.6	4.6	5.0	4.8	4.9	4.6	4.6	4.7	4.1	4.8
ENSYLVA	4.7	6.0	6.2	4.6	4.1	4.8	5.1	4.7	4.6	4.8	5.6	4.8	4.7
WW RS 138	5.0	5.3	5.5	4.9	4.6	4.9	4.9	4.5	4.3	4.6	4.6	3.8	4.7
REVERE (NK 88001)	4.7	5.7	4.5	4.2	4.8	5.1	4.8	5.0	4.2	4.1	5.0	3.0	4.7
CLAUDIA	5.0	5.3	5.7	4.6	4.1	4.6	4.7	4.8	4.5	4.6	4.7	4.1	4.6
BARGENA II (BAR FR8RC3)	5.0	5.7	4.8	4.5	4.2	4.8	4.9	4.7	4.6	4.2	4.6	3.7	4.6
WW RS 143	4.7	5.3	5.3	4.5	4.4	5.1	4.6	4.4	4.3	4.1	4.6	3.9	4.6
SYLVIA (WW RS 130)	5.3	5.3	4.3	4.5	4.4	4.9	4.6	4.4	4.3	4.0	4.6	4.0	4.6
BOREAL	4.7	5.0	4.8	4.6	4.3	4.6	4.7	4.3	4.3	4.2	4.7	3.7	4.5
BARGENA	5.0	5.7	4.8	4.4	4.2	4.6	4.6	4.6	4.5	4.2	5.0	3.9	4.5
TALUS (LD 3438)	4.0	4.3	3.8	4.5	4.7	4.8	4.6	4.5	3.6	3.7	4.4	3.6	4.5
SUNSET (ZW 42-158)	4.3	4.7	4.8	4.5	4.1	4.5	4.8	4.6	4.3	4.0	4.6	3.7	4.5
FRANKLIN	5.0	4.7	5.2	4.4	4.2	4.5	4.2	4.3	4.3	4.0	3.9	3.7	4.4
SYLVESTER	5.0	5.0	4.5	4.5	4.1	4.5	4.4	4.3	4.1	3.7	4.4	3.1	4.3
ELANOR	4.7	5.3	5.7	4.4	4.2	4.5	4.4	4.1	3.9	3.7	4.7	3.2	4.2
LSD VALUE	1.0	1.1	1.1	0.7	0.5	0.6	0.7	0.8	0.8	0.8	1.7	1.2	0.4

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS FOR EACH MONTH GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
HF 138	5.7	6.7	5.8	4.8	4.7	5.2	5.1	5.2	4.7	4.5	4.8	3.8	5.0
SEABREEZE (FRT-30149)	6.3	6.3	4.5	4.7	4.8	5.1	5.1	5.3	4.9	4.3	5.1	3.6	5.0
NAPOLI (LD 3488)	5.3	6.0	4.5	4.7	5.1	5.4	5.0	4.5	4.3	4.0	4.6	3.8	4.9
BARCROWN	6.0	5.7	4.3	4.6	4.9	4.9	5.0	5.0	4.4	4.0	4.7	3.2	4.7
SMIRNA (ZW 42-160)	6.0	6.7	3.5	4.1	4.9	5.2	4.7	4.8	3.7	3.8	4.7	3.0	4.7
DAWSON	5.0	6.3	4.5	4.4	4.6	5.0	4.8	4.6	4.0	3.9	4.7	3.3	4.6
BARSKOL (BAR FR 9P)	6.7	7.0	5.2	4.4	4.8	4.9	4.8	4.3	4.2	3.7	4.7	3.2	4.6
MARKER	6.7	7.3	4.3	4.3	4.6	4.7	4.7	4.5	3.6	3.5	4.4	3.0	4.5
COMFORT (HF 102)	6.0	6.7	4.0	3.9	4.2	4.5	4.6	4.5	4.6	3.9	4.7	3.6	4.4
BARLOTTE	5.3	5.7	3.3	4.0	4.3	4.7	4.2	4.1	4.1	3.1	4.0	2.9	4.2
LSD VALUE	1.1	1.0	1.9	0.8	0.7	0.6	0.9	1.0	1.0	1.0	1.8	1.0	0.6

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

TABLE 2D. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS FOR EACH MONTH GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BRIDGEPORT (N-105)	5.0	5.7	6.0	5.5	5.4	5.9	5.7	5.4	5.4	6.0	5.9	5.3	5.6
SOUTHPORT	4.7	6.0	6.0	5.4	5.5	5.7	5.7	5.5	5.4	5.7	5.9	5.9	5.6
89.LKR	5.7	6.0	5.8	5.1	5.5	5.9	5.5	5.8	5.5	5.2	5.6	4.2	5.5
JAMESTOWN II	5.0	5.0	5.8	5.3	5.4	5.6	5.7	5.4	5.4	5.7	5.8	5.4	5.5
SR 5000	5.0	5.3	6.0	5.3	5.3	5.6	5.5	5.4	5.7	6.0	5.9	5.7	5.5
PROFORMER (JMB-89)	5.3	5.3	6.3	5.5	5.3	5.7	5.5	5.5	5.4	5.6	5.6	4.9	5.5
TIFFANY (PST-4CD)	5.3	6.7	6.7	5.4	5.1	5.6	5.4	5.4	5.7	5.5	5.7	5.0	5.4
LONGFELLOW	5.0	5.7	5.3	5.5	5.4	5.6	5.5	5.3	5.1	5.1	6.0	4.2	5.4
SHADOW W/ENDO. (PST-SHE)	5.0	5.7	6.7	5.4	5.0	5.5	5.5	5.7	5.5	5.7	5.8	5.3	5.4
DIGNITY (OFI 89-200)	5.3	5.3	5.3	5.2	5.2	5.6	5.3	5.2	5.1	4.9	5.3	4.6	5.2
BANNER	4.3	5.7	5.0	4.9	5.0	5.3	5.2	5.2	4.8	5.0	6.0	4.8	5.1
EPSOM	5.0	5.0	3.7	5.2	5.4	5.4	4.8	5.1	4.4	4.3	5.4	4.0	5.1
PST-4FE	5.7	6.0	6.7	5.0	4.9	5.3	5.1	5.1	5.3	4.7	5.3	4.3	5.1
BARGREEN	5.3	6.3	4.8	5.0	4.8	5.1	5.0	5.3	4.9	4.5	4.9	4.0	5.0
TROPHY (ESTORIL)	6.7	7.0	4.8	4.8	5.0	5.2	4.9	4.9	4.8	4.6	4.9	4.8	4.9
SHADOW	4.0	5.7	5.7	5.1	4.7	5.0	4.9	5.0	4.6	4.7	5.3	4.0	4.9
JAMESTOWN	5.7	6.0	5.2	5.0	4.8	4.9	4.8	4.9	5.0	4.6	5.3	4.3	4.9
ATLANTA	5.0	6.0	4.3	4.6	5.1	5.2	4.7	4.8	4.8	4.3	5.1	3.4	4.9
ENJOY	5.3	5.7	5.0	4.7	4.7	5.2	5.0	4.7	4.6	4.2	4.8	3.7	4.8
WALDORF	4.7	5.0	4.7	4.9	5.0	4.8	4.3	4.9	4.4	4.5	5.6	4.2	4.8
MARY	5.3	5.7	5.2	4.9	4.8	4.9	4.8	4.7	4.5	4.0	4.7	3.6	4.7
MOLINDA	6.0	6.7	5.7	4.6	4.5	4.7	4.5	4.6	4.5	4.1	4.7	3.8	4.7
WILMA	5.0	5.7	4.7	4.6	4.6	5.0	4.6	4.7	4.4	4.3	5.6	3.4	4.7
SCARLET	6.0	6.7	5.2	4.6	4.8	4.9	4.7	4.5	4.4	3.9	4.3	3.7	4.7
BARLANDER (BAR FR 9F)	6.3	7.0	5.7	4.5	4.5	4.8	4.6	4.7	4.4	4.0	4.3	3.6	4.6
CAMARO	6.0	6.3	5.0	4.8	4.5	4.6	4.2	4.4	4.5	3.9	4.6	4.3	4.6
RAINBOW	5.7	6.3	4.2	4.3	4.8	4.7	4.4	4.4	4.4	3.6	4.6	3.0	4.6
CAPITOL	5.3	5.3	4.7	4.3	4.4	4.7	4.5	4.7	4.6	4.2	4.6	4.3	4.5
RAYMOND	6.3	6.3	4.5	4.2	4.4	4.7	4.7	4.5	4.4	4.1	4.9	4.3	4.5
FERNANDO (HF 112)	6.0	6.7	4.2	4.2	4.4	5.0	4.8	4.3	4.3	3.5	4.2	3.3	4.5
SIMONE (LD 3485)	5.3	5.0	3.7	4.3	4.4	4.6	4.4	4.4	4.4	3.8	4.3	3.7	4.5
PUMA	5.0	5.7	4.0	4.3	4.4	4.6	4.1	4.3	4.3	4.1	4.6	4.3	4.4
ERG 1143	4.7	5.3	3.3	4.4	4.4	4.6	4.2	4.1	4.2	3.6	4.7	3.3	4.4
BARNICA	5.3	5.7	4.8	4.3	4.1	4.5	4.3	4.4	4.1	3.6	4.4	3.4	4.3
DOVER (NK 82492)	4.0	4.3	3.2	4.1	4.5	4.3	4.1	4.3	3.8	3.6	4.9	2.9	4.3
KOKET	4.3	5.3	5.3	4.2	4.2	4.4	4.3	3.9	4.0	3.6	4.1	3.3	4.2
LSD VALUE	1.2	1.1	1.6	0.7	0.6	0.6	0.9	0.8	0.8	0.8	1.6	1.1	0.5

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

TABLE 2E.

MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS FOR EACH
MONTH GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WARWICK	5.7	5.3	5.0	5.6	6.2	6.3	6.1	5.8	5.2	5.4	5.5	6.2	5.9
DISCOVERY (PST-4HD)	5.0	5.3	5.0	5.6	6.2	6.2	6.0	5.9	5.7	5.5	5.2	5.9	5.8
SR 3100 (SRX 89-31)	4.0	4.0	5.0	5.6	6.0	6.0	6.1	5.5	4.8	4.6	4.6	5.1	5.6
RELIANT-W/ ENDOPHYTE	4.7	4.7	5.5	5.5	5.7	5.9	5.6	5.7	5.2	5.1	5.3	5.3	5.6
SR 3000	5.0	4.3	4.8	5.2	5.6	5.8	5.4	5.5	4.9	4.7	4.8	5.1	5.4
AURORA	5.0	4.7	4.8	5.4	5.8	6.0	5.1	5.2	4.6	4.6	5.1	4.2	5.4
AURORA W/ENDO. (PST-AUE)	5.0	4.7	5.0	5.2	5.7	5.9	5.3	5.5	4.9	4.6	5.2	4.4	5.3
BILJART	4.0	4.3	5.3	5.2	5.7	5.9	5.1	5.3	4.5	4.5	5.8	3.9	5.3
PST-4AG	4.3	4.7	5.5	5.2	5.8	5.9	5.1	5.2	5.0	4.6	4.8	5.0	5.3
BRIGADE (MELODY)	3.7	4.0	4.7	5.4	5.7	5.8	4.8	5.3	4.9	4.6	4.6	4.9	5.2
VALDA	4.3	4.3	3.5	5.0	5.3	5.8	5.3	5.2	5.0	4.4	4.9	5.4	5.2
SILVANA	4.0	4.0	3.8	4.8	5.4	5.7	5.1	5.1	4.8	4.7	5.6	5.2	5.1
RELIANT-NO ENDOPHYTE	4.7	5.3	5.3	4.9	5.4	5.7	5.1	5.2	5.0	4.6	5.4	4.8	5.1
SCALDIS	4.7	4.3	4.7	5.0	5.4	5.5	5.1	4.9	4.9	4.6	4.9	5.6	5.1
EUREKA	4.0	4.0	5.3	5.2	5.3	5.5	4.9	5.1	4.8	4.5	5.1	4.6	5.1
SERRA	4.3	4.0	5.0	5.0	5.3	5.3	5.1	5.1	4.5	4.6	4.2	5.6	5.0
ATPILA	5.0	5.0	4.8	4.8	5.4	5.7	4.8	5.4	4.5	4.0	4.3	3.3	5.0
BARREPP0	4.7	4.7	4.7	4.8	5.0	5.1	4.8	5.1	4.5	4.5	5.1	3.8	4.8
BARDUR (BAR FO 9A2)	4.0	4.7	5.3	4.9	5.2	5.2	4.2	4.8	4.6	4.2	4.4	3.3	4.8
LSD VALUE	1.0	1.1	1.2	0.6	0.6	0.6	0.8	0.8	0.9	0.8	1.4	1.4	0.4

TABLE 2F.

MEAN TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS FOR EACH
MONTH GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA
1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BIGHORN	4.3	3.7	4.3	4.9	5.2	5.5	4.9	5.3	4.8	4.6	5.2	4.3	5.0
MX 86	3.0	3.3	4.7	4.3	4.4	5.0	4.7	4.8	5.0	4.7	4.8	5.2	4.7
LSD VALUE	1.3	0.9	1.2	0.5	0.6	0.5	0.6	0.5	0.8	0.8	1.5	1.1	0.4

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

TABLE 3A.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/
1993 DATA

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

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
WARWICK	57.5	.	16.5	4.0	.	1.5	6.5	4.0	26.0	43.0	.	.	20.5	.	16.5	38.5	1
DISCOVERY (PST-4HD)	47.0	47.5	8.5	17.0	69.0	1.5	5.0	2.0	13.0	72.5	1.0	1.0	6.0	63.0	9.5	22.5	2
BRIDGEPORT (N-105)	28.0	2.5	1.0	9.0	20.5	10.0	27.0	6.5	46.0	18.5	41.5	33.0	14.0	52.0	2.0	60.0	3
SR 3100 (SRX 89-31)	53.0	6.5	42.5	4.0	87.0	3.0	30.0	1.0	80.5	85.0	21.5	3.5	1.5	3.0	27.0	67.5	4
RELIANT-W/ ENDOPHYTE	66.0	35.0	13.0	17.0	79.5	4.0	13.0	3.0	62.5	65.0	4.5	5.0	36.0	70.0	23.0	38.5	5
SOUTHPORT	9.5	16.0	6.0	84.0	9.0	5.0	16.5	8.0	30.5	10.5	50.0	45.0	4.0	81.0	7.0	5.0	6
89.LKR	2.5	.	7.0	32.5	.	38.5	19.5	27.0	13.0	15.0	8.5	53.0	14.0	.	35.0	1.5	7
JAMESTOWN II	19.5	2.5	4.5	32.5	13.5	14.5	16.5	10.0	39.5	45.0	70.5	26.5	41.0	52.0	3.5	29.5	8
SR 5000	19.5	18.5	4.5	45.5	13.5	6.0	19.5	12.5	34.0	34.0	47.0	30.0	11.5	89.5	1.0	47.0	9
PROFORMER (JMB-89)	28.0	37.5	2.0	32.5	13.5	20.0	33.0	6.5	23.5	20.5	37.0	26.5	41.0	29.5	8.0	10.0	10
TIFFANY (PST-4CD)	34.0	37.5	3.0	32.5	3.0	16.0	36.5	10.0	54.5	3.5	34.0	40.0	20.5	8.0	23.0	22.5	11
PST-43F	5.5	18.5	10.5	9.0	40.0	23.0	41.0	12.5	9.5	5.0	27.0	60.5	32.5	5.5	48.0	16.5	12
LONGFELLOW	34.0	1.0	12.0	17.0	57.0	32.5	36.5	20.5	71.0	18.5	31.5	40.0	20.5	39.5	3.5	7.5	13
SR 3000	40.0	35.0	34.0	4.0	84.0	10.0	12.0	65.5	89.0	81.0	12.0	2.0	26.5	17.0	13.5	5.0	14
SHADOW W/ENDO. (PST-SHE)	2.5	54.5	8.5	90.0	51.0	8.0	38.5	5.0	21.0	16.0	45.5	33.0	8.5	26.5	11.5	67.5	15
AURORA	80.0	22.5	30.5	4.0	69.0	35.5	16.5	45.5	43.0	77.0	8.5	7.5	32.5	49.0	13.5	29.5	16
PST-4R3	19.5	5.0	20.0	45.5	40.0	12.0	16.5	14.0	11.0	9.0	62.0	83.5	73.5	39.5	34.0	55.5	17
AURORA W/ENDO. (PST-AUE)	80.0	42.5	22.5	32.5	60.5	25.0	6.5	58.0	39.5	76.0	15.0	3.5	26.5	57.0	6.0	47.0	18
BILJART	62.0	6.5	50.0	1.0	69.0	38.5	34.5	75.0	56.5	67.5	4.5	7.5	46.0	19.5	5.0	74.0	19
PST-4AG	72.0	31.0	32.5	32.5	51.0	29.5	2.0	89.5	69.5	63.0	8.5	7.5	57.0	45.0	19.5	84.5	20
BRIGADE (MELODY)	80.0	35.0	14.0	32.5	92.0	7.0	9.0	33.0	75.5	94.0	6.0	18.5	46.0	76.5	9.5	81.0	21
VALDA	86.5	75.5	79.0	32.5	28.5	19.0	4.0	10.0	56.5	89.0	13.0	15.0	3.0	22.0	28.5	5.0	22
DIGNITY (OFI 89-200)	19.5	59.5	19.0	84.0	51.0	29.5	34.5	20.5	21.0	23.0	34.0	26.5	16.5	32.5	32.5	16.5	23
PST-4NI	53.0	12.0	16.5	75.5	1.0	55.5	43.5	38.5	8.0	65.0	45.5	71.0	29.0	45.0	37.0	47.0	24
SILVANA	72.0	44.5	51.5	4.0	79.5	13.0	10.5	41.0	91.5	72.5	14.0	18.5	53.5	35.5	11.5	74.0	25
BANNER	9.5	9.0	41.0	32.5	13.5	22.0	46.5	41.0	54.5	28.5	73.5	40.0	26.5	70.0	30.0	47.0	26
EPSOM	9.5	9.0	86.5	9.0	79.5	27.5	43.5	16.5	43.0	58.5	54.0	.	32.5	63.0	18.0	33.5	27
RELIANT-NO ENDOPHYTE	72.0	63.0	10.5	45.5	79.5	14.5	24.0	79.0	93.0	69.0	3.0	16.5	53.5	8.0	25.5	67.5	28
SCALDIS	80.0	90.5	44.0	9.0	69.0	17.0	3.0	16.5	88.0	85.0	17.5	13.0	60.0	15.0	19.5	22.5	29
JASPER	47.0	22.5	40.0	59.5	13.5	45.0	69.0	16.5	17.5	13.0	48.0	71.0	41.0	11.5	37.0	67.5	30
SALEM	80.0	22.5	16.5	32.5	28.5	35.5	46.5	16.5	17.5	8.0	81.0	67.5	73.5	29.5	52.5	29.5	31
PST-4FE	13.5	75.5	16.5	45.5	7.5	32.5	38.5	55.0	52.0	2.0	41.5	30.0	32.5	63.0	47.0	7.5	32
EUREKA	86.5	71.5	32.5	59.5	69.0	21.0	32.0	79.0	85.5	89.0	8.5	11.0	20.5	15.0	21.0	22.5	33
HERALD	19.5	4.0	55.0	32.5	3.0	43.5	75.0	51.0	4.0	53.5	75.0	45.0	69.5	5.5	50.0	84.5	34
BIGHORN	89.5	54.5	30.5	32.5	22.5	26.0	14.0	38.5	48.0	91.0	24.0	13.0	8.5	70.0	32.5	94.0	35
SERRA	88.0	82.0	24.0	32.5	90.5	10.0	8.0	20.5	94.0	92.5	16.0	7.5	69.5	45.0	15.0	74.0	36
FLYER	80.0	32.5	27.5	32.5	69.0	34.0	41.0	51.0	19.0	13.0	54.0	60.5	69.5	45.0	44.0	22.5	37
ATTILA	47.0	47.5	45.5	59.5	69.0	60.0	55.0	93.0	65.0	78.0	2.0	10.0	32.5	24.0	31.0	29.5	38
SHADEMASTER	62.0	14.5	21.0	45.5	87.0	18.0	52.0	36.0	15.0	49.0	90.0	60.5	86.0	63.0	28.5	88.5	39
HF 138	34.0	22.5	25.5	17.0	13.5	66.0	53.0	30.0	21.0	25.0	70.5	78.5	64.0	39.5	63.5	33.5	40
PST-4C8	47.0	12.0	25.5	75.5	40.0	75.0	57.5	24.0	5.0	1.0	89.0	60.5	73.5	70.0	46.0	55.5	41
VISTA	53.0	27.5	22.5	59.5	76.0	24.0	51.0	45.5	6.5	31.5	91.0	60.5	82.0	63.0	42.5	47.0	42
SEABREEZE (FRT-30149)	19.5	66.0	73.0	32.5	51.0	46.0	75.0	33.0	3.0	7.0	27.0	83.5	14.0	11.5	60.0	29.5	43
BARGREEN	2.5	79.5	72.0	90.0	40.0	43.5	41.0	36.0	34.0	3.5	17.5	22.5	11.5	19.5	57.5	22.5	44
CINDY	34.0	18.5	65.0	59.5	5.5	79.5	66.5	27.0	6.5	17.0	62.0	60.5	32.5	1.0	68.0	74.0	45
TROPHY (ESTORIL)	66.0	54.5	68.0	75.5	51.0	31.0	22.0	51.0	65.0	6.0	21.5	24.0	20.5	4.0	74.0	12.5	46
SHADOW	40.0	54.5	27.5	32.5	5.5	40.5	62.5	24.0	69.5	61.5	37.0	40.0	49.0	85.5	39.0	78.5	47
JAMESTOWN	13.5	27.5	35.0	32.5	40.0	71.5	28.0	45.5	65.0	34.0	88.0	49.0	49.0	42.0	40.0	74.0	48
ATLANTA	9.5	59.5	64.0	59.5	7.5	68.0	59.5	79.0	34.0	38.5	31.5	40.0	24.0	35.5	45.0	16.5	49

TABLE 3A.
(CONTINUED)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA

1993 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
NAPOLI (LD 3488)	5.5	47.5	80.0	17.0	13.5	75.0	45.0	30.0	2.0	41.5	73.5	78.5	16.5	15.0	77.0	38.5	50
ENJOY	28.0	27.5	69.0	75.5	18.5	78.0	50.0	55.0	28.5	38.5	30.0	40.0	1.5	63.0	77.0	3.0	51
BARREPPPO	92.5	54.5	56.5	90.0	40.0	50.0	10.5	85.0	75.5	81.0	19.5	21.0	51.0	19.5	16.5	78.5	52
WALDORF	72.0	88.0	70.5	17.0	79.5	27.5	78.0	20.5	82.5	53.5	41.5	22.5	26.5	24.0	23.0	35.0	53
BARDUR (BAR FO 9A2)	57.5	84.0	36.5	32.5	28.5	87.5	30.0	94.0	72.0	87.0	11.0	13.0	69.5	52.0	37.0	47.0	54
BARCROWN	19.5	87.0	74.5	75.5	40.0	50.0	92.0	30.0	1.0	45.0	27.0	78.5	5.0	74.5	57.5	16.5	55
COLLO (LD 3414)	66.0	27.5	51.5	59.5	28.5	40.5	72.0	33.0	48.0	83.0	78.0	88.0	57.0	29.5	60.0	47.0	56
BELVEDERE	57.5	40.5	42.5	17.0	69.0	42.0	71.0	61.0	80.5	74.0	50.0	71.0	80.5	11.5	41.0	84.5	57
MARY	9.5	59.5	61.5	59.5	60.5	71.5	59.5	58.0	34.0	28.5	34.0	45.0	20.5	57.0	92.0	1.5	58
ENSYLVA	85.0	18.5	38.5	59.5	40.0	47.5	48.5	41.0	61.0	25.0	86.5	74.5	53.5	88.0	52.5	88.5	59
MX 86	94.0	65.0	47.0	9.0	22.5	37.0	1.0	58.0	91.5	92.5	62.0	16.5	79.0	84.0	25.5	93.0	60
WW RS 138	72.0	50.5	48.5	17.0	69.0	84.0	30.0	65.5	16.0	28.5	76.0	86.5	84.0	24.0	63.5	84.5	61
REVERE (NK 88001)	66.0	39.0	56.5	75.5	60.5	55.5	94.0	45.5	30.5	58.5	50.0	.	77.0	45.0	55.0	63.5	62
SMIRNA (ZW 42-160)	19.5	32.5	94.0	17.0	28.5	50.0	89.5	89.5	34.0	40.0	81.0	.	59.0	2.0	42.5	67.5	63
SCARLET	28.0	27.5	74.5	59.5	51.0	60.0	70.0	89.5	45.0	28.5	29.0	33.0	41.0	29.5	89.5	62.0	64
MOLINDA	19.5	47.5	61.5	59.5	69.0	77.0	48.5	70.0	28.5	56.5	54.0	67.5	64.0	35.5	86.0	10.0	65
WILMA	28.0	44.5	45.5	84.0	13.5	90.5	73.0	82.5	75.5	36.5	66.5	53.0	41.0	57.0	49.0	38.5	66
BARLANDER (BAR FR 9F)	28.0	54.5	53.5	17.0	90.5	64.5	84.0	85.0	73.0	10.5	24.0	20.0	64.0	82.0	88.0	47.0	67
DAWSON	40.0	69.5	83.5	59.5	3.0	68.0	87.0	82.5	9.5	31.5	62.0	53.0	77.0	19.5	60.0	38.5	68
BARSKOL (BAR FR 9P)	40.0	75.5	86.5	59.5	69.0	63.0	81.0	27.0	37.0	13.0	70.5	74.5	41.0	8.0	70.5	38.5	69
CLAUDIA	66.0	40.5	36.5	59.5	40.0	71.5	81.0	36.0	48.0	41.5	92.0	78.5	73.5	83.0	70.5	81.0	70
BARGENA II (BAR FR8RC3)	89.5	9.0	29.0	90.0	40.0	71.5	86.0	65.5	53.0	53.5	83.0	83.5	83.0	57.0	70.5	60.0	71
CAMARO	19.5	63.0	77.0	59.5	51.0	68.0	25.5	51.0	87.0	56.5	59.0	49.0	61.0	74.5	81.5	29.5	72
WW RS 143	57.5	14.5	59.0	84.0	51.0	75.0	55.0	79.0	59.0	53.5	78.0	83.5	89.0	26.5	62.0	88.5	73
SYLVIA (WW RS 130)	80.0	50.5	77.0	59.5	28.5	60.0	62.5	55.0	39.5	45.0	70.5	60.5	80.5	76.5	73.0	55.5	74
RAINBOW	9.5	63.0	90.0	75.5	18.5	79.5	84.0	65.5	67.0	34.0	24.0	30.0	46.0	57.0	89.5	10.0	75
CAPITOL	47.0	85.5	67.0	93.0	20.5	47.5	75.0	87.0	26.0	49.0	41.5	35.5	67.0	78.0	66.0	22.5	76
RAYMOND	47.0	92.0	81.0	75.5	51.0	55.5	22.0	65.5	78.0	22.0	37.0	49.0	8.5	63.0	80.0	22.5	77
FERNANDO (HF 112)	28.0	69.5	89.0	59.5	40.0	82.0	25.5	61.0	90.0	25.0	19.5	26.5	8.5	79.5	94.0	47.0	78
MARKER	47.0	71.5	91.5	59.5	69.0	90.5	93.0	45.5	23.5	20.5	66.5	49.0	37.0	11.5	65.0	14.0	79
BOREAL	80.0	42.5	38.5	75.5	40.0	82.0	81.0	70.0	26.0	51.0	93.0	71.0	86.0	87.0	70.5	63.5	80
BARGENA	72.0	12.0	58.0	84.0	69.0	60.0	66.5	65.5	85.5	47.0	84.5	78.5	88.0	91.0	55.0	92.0	81
TALUS (LD 3438)	57.5	67.5	77.0	84.0	79.5	64.5	88.0	45.5	13.0	85.0	62.0	60.5	86.0	85.5	51.0	47.0	82
SIMONE (LD 3485)	2.5	85.5	85.0	32.5	28.5	89.0	22.0	72.5	50.0	81.0	54.0	60.5	41.0	35.5	91.0	55.5	83
SUNSET (ZW 42-158)	72.0	27.5	53.5	84.0	28.5	60.0	89.5	75.0	59.0	67.5	66.5	78.5	94.0	48.0	77.0	91.0	84
PUMA	47.0	79.5	82.0	17.0	83.0	52.5	66.5	79.0	59.0	60.0	57.5	35.5	49.0	89.5	77.0	55.5	85
ERG 1143	37.0	75.5	88.0	32.5	87.0	92.5	78.0	51.0	62.5	65.0	66.5	40.0	53.5	54.0	83.5	12.5	86
FRANKLIN	80.0	59.5	48.5	59.5	28.5	87.5	55.0	89.5	39.5	89.0	81.0	86.5	93.0	70.0	85.0	60.0	87
COMFORT (HF 102)	57.5	82.0	83.5	59.5	87.0	52.5	66.5	85.0	43.0	36.5	57.5	60.5	64.0	50.0	87.0	74.0	88
BARNICA	40.0	89.0	70.5	59.5	40.0	82.0	62.5	92.0	79.0	61.5	54.0	60.5	57.0	92.0	83.5	55.5	89
SYLVESTER	91.0	75.5	60.0	75.5	60.5	85.5	78.0	70.0	51.0	70.0	86.5	89.0	91.0	32.5	77.0	74.0	90
DOVER (NK 82492)	34.0	90.5	93.0	45.5	57.0	85.5	84.0	24.0	75.5	79.0	78.0	60.5	77.0	79.5	55.0	47.0	91
BARLOTTE	47.0	67.5	91.5	90.0	28.5	55.5	91.0	61.0	68.0	71.0	41.5	90.0	90.0	39.5	81.5	88.5	92
KOKET	62.0	82.0	66.0	59.5	57.0	94.0	57.5	75.0	82.5	75.0	84.5	49.0	64.0	70.0	93.0	81.0	93
ELANOR	92.5	75.5	63.0	94.0	87.0	92.5	62.5	72.5	84.0	49.0	41.5	71.0	92.0	70.0	67.0	67.5	94

- 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 CREEPING RED FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/
1993 DATA
QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING 2/

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
PST-43F	1.0	10.0	1.0	1.0	13.0	3.0	3.5	1.0	6.0	2.0	1.0	5.5	2.5	2.5	9.0	1.0	1
PST-4R3	2.5	2.0	4.0	7.5	13.0	1.0	1.0	2.0	7.0	4.0	9.0	21.0	10.5	11.0	2.0	9.0	2
PST-4NI	7.5	5.0	2.5	19.0	1.0	12.5	5.0	10.0	5.0	21.0	3.0	13.0	1.0	13.0	3.5	5.5	3
JASPER	5.5	12.5	13.0	12.5	4.0	10.0	17.0	3.5	11.5	5.5	4.0	13.0	4.0	4.5	3.5	15.5	4
SALEM	21.0	12.5	2.5	5.0	7.0	6.0	6.0	3.5	11.5	3.0	17.5	10.0	10.5	8.5	12.5	3.0	5
HERALD	2.5	1.0	19.0	5.0	2.0	9.0	20.0	15.5	1.0	18.0	13.0	1.0	7.5	2.5	10.0	21.0	6
FLYER	21.0	17.0	8.0	5.0	21.5	5.0	3.5	15.5	13.0	5.5	7.0	5.5	7.5	13.0	7.0	2.0	7
SHADEMASTER	12.0	7.5	5.0	7.5	26.5	2.0	9.0	8.5	9.0	14.5	24.0	5.5	20.0	17.5	1.0	24.0	8
PST-4C8	5.5	5.0	7.0	19.0	13.0	20.5	12.0	5.0	2.0	1.0	23.0	5.5	10.5	20.0	8.0	9.0	9
VISTA	7.5	15.0	6.0	12.5	24.0	4.0	8.0	13.0	3.5	10.0	25.0	5.5	16.0	17.5	6.0	5.5	10
CINDY	4.0	10.0	25.0	12.5	3.0	22.0	15.5	6.0	3.5	7.0	9.0	5.5	2.5	1.0	20.0	17.5	11
COLLO (LD 3414)	14.0	15.0	17.0	12.5	7.0	7.0	19.0	7.0	18.5	25.0	15.5	25.0	6.0	8.5	16.0	5.5	12
BELVEDERE	10.0	19.5	14.0	2.5	21.5	8.0	18.0	18.0	25.0	24.0	5.5	13.0	14.5	4.5	5.0	21.0	13
ENSYLVA	24.0	10.0	11.5	12.5	13.0	11.0	7.0	11.0	24.0	8.0	21.5	16.0	5.0	26.0	12.5	24.0	14
WW RS 138	17.0	22.5	15.5	2.5	21.5	24.0	2.0	20.0	10.0	9.0	14.0	23.5	18.0	6.0	18.0	21.0	15
REVERE (NK 88001)	14.0	18.0	20.0	19.0	18.5	12.5	27.0	13.0	15.0	20.0	5.5	.	13.0	13.0	14.5	13.5	16
CLAUDIA	14.0	19.5	10.0	12.5	13.0	18.5	22.5	8.5	18.5	11.0	26.0	18.0	10.5	23.0	22.0	19.0	17
BARGENA II (BAR FR8RC3)	25.0	3.0	9.0	26.0	13.0	18.5	24.0	20.0	21.0	18.0	19.0	21.0	17.0	16.0	22.0	11.5	18
WW RS 143	10.0	7.5	22.0	23.5	17.0	20.5	10.5	26.0	22.5	18.0	15.5	21.0	23.0	7.0	17.0	24.0	19
SYLVIA (WW RS 130)	21.0	22.5	26.5	12.5	7.0	15.0	13.5	17.0	16.5	12.0	12.0	5.5	14.5	22.0	24.0	9.0	20
BOREAL	21.0	21.0	11.5	19.0	13.0	23.0	22.5	22.5	14.0	16.0	27.0	13.0	20.0	25.0	22.0	13.5	21
BARGENA	17.0	5.0	21.0	23.5	21.5	15.0	15.5	20.0	27.0	13.0	20.0	18.0	22.0	27.0	14.5	27.0	22
TALUS (LD 3438)	10.0	25.0	26.5	23.5	25.0	17.0	25.0	13.0	8.0	26.0	9.0	5.5	20.0	24.0	11.0	5.5	23
SUNSET (ZW 42-158)	17.0	15.0	18.0	23.5	7.0	15.0	26.0	25.0	22.5	22.0	11.0	18.0	27.0	15.0	25.5	26.0	24
FRANKLIN	21.0	24.0	15.5	12.5	7.0	26.0	10.5	27.0	16.5	27.0	17.5	23.5	26.0	20.0	27.0	11.5	25
SYLVESTER	26.0	26.5	23.0	19.0	18.5	25.0	21.0	22.5	20.0	23.0	21.5	26.0	24.0	10.0	25.5	17.5	26
ELANOR	27.0	26.5	24.0	27.0	26.5	27.0	13.5	24.0	26.0	14.5	2.0	13.0	25.0	20.0	19.0	15.5	27

TABLE 3C.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/
1993 DATA
QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING 2/

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
HF 138	5.0	1	1.0	2.0	2.5	7.0	2	3	5	4	7.5	6	7.5	7.5	5.0	4	1
SEABREEZE (FRT-30149)	3.0	4	2.0	4.0	7.0	1.0	4	5	3	1	1.5	8	2.0	3.5	3.5	3	2
NAPOLI (LD 3488)	1.0	3	4.0	2.0	2.5	9.0	1	3	2	8	9.0	6	3.0	5.0	8.0	6	3
BARCROWN	3.0	10	3.0	9.0	6.0	2.5	9	3	1	9	1.5	6	1.0	10.0	2.0	2	4
SMIRNA (ZW 42-160)	3.0	2	10.0	2.0	4.5	2.5	7	10	7	7	10.0	.	6.0	1.0	1.0	8	5
DAWSON	6.5	6	5.5	6.5	1.0	8.0	6	8	4	5	5.0	2	9.0	6.0	3.5	6	6
BARSKOL (BAR FR 9P)	6.5	8	7.0	6.5	8.5	6.0	5	1	8	2	7.5	4	5.0	2.0	7.0	6	7
MARKER	8.5	7	8.5	6.5	8.5	10.0	10	6	6	3	6.0	1	4.0	3.5	6.0	1	8
COMFORT (HF 102)	10.0	9	5.5	6.5	10.0	4.0	3	9	9	6	4.0	3	7.5	9.0	10.0	9	9
BARLOTTE	8.5	5	8.5	10.0	4.5	5.0	8	7	10	10	3.0	9	10.0	7.5	9.0	10	10

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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 3D.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/
1993 DATA

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

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
BRIDGEPORT (N-105)	21.0	2.5	1.0	1.5	13.5	4.0	10.0	2.5	16.0	9.5	18.5	13.0	8.5	14.5	2.0	31.0	1
SOUTHPORT	7.5	6.0	6.0	32.0	5.0	1.0	1.5	4.0	8.0	5.5	23.0	24.5	2.0	30.0	5.0	4.0	2
89.LKR	2.5	.	7.0	11.0	.	15.0	3.5	14.0	1.0	7.0	1.0	30.5	8.5	.	13.0	1.5	3
JAMESTOWN II	15.0	2.5	4.5	11.0	8.0	5.0	1.5	5.5	13.0	24.0	32.0	6.5	22.0	14.5	3.5	18.5	4
SR 5000	15.0	7.0	4.5	17.0	8.0	2.0	3.5	7.0	10.5	19.0	22.0	10.0	6.5	33.5	1.0	25.0	5
PROFORMER (JMB-89)	21.0	11.5	2.0	11.0	8.0	7.0	12.0	2.5	4.0	11.0	15.0	6.5	22.0	6.5	6.0	8.0	6
TIFFANY (PST-4CD)	26.0	11.5	3.0	11.0	1.0	6.0	14.5	5.5	19.5	2.5	12.0	20.0	12.5	2.0	9.5	15.5	7
LONGFELLOW	26.0	1.0	9.0	4.5	27.0	13.5	14.5	10.0	27.0	9.5	9.5	20.0	12.5	12.0	3.5	5.5	8
SHADOW W/ENDO. (PST-SHE)	2.5	16.5	8.0	34.5	22.5	3.0	16.5	1.0	2.5	8.0	21.0	13.0	4.0	5.0	7.0	33.0	9
DIGNITY (OFI 89-200)	15.0	20.0	11.0	32.0	22.5	11.0	13.0	10.0	2.5	13.0	12.0	6.5	10.0	8.0	12.0	12.5	10
BANNER	7.5	4.5	14.0	11.0	8.0	8.0	20.0	16.0	19.5	16.0	33.0	20.0	16.5	24.5	11.0	25.0	11
EPSOM	7.5	4.5	32.0	1.5	31.5	9.5	19.0	8.0	14.0	29.0	25.5	.	18.5	21.5	8.0	20.0	12
PST-4FE	11.5	25.5	10.0	17.0	3.5	13.5	16.5	21.5	18.0	1.0	18.5	10.0	18.5	21.5	17.0	5.5	13
BARGREEN	2.5	27.5	26.0	34.5	17.5	17.0	18.0	15.0	10.5	2.5	2.0	2.5	6.5	3.0	20.0	15.5	14
TROPHY (ESTORIL)	35.0	16.5	22.0	28.5	22.5	12.0	6.0	19.0	23.5	4.0	4.0	4.0	12.5	1.0	22.0	10.5	15
SHADOW	29.5	16.5	12.0	11.0	2.0	16.0	26.5	12.5	26.0	31.5	15.0	20.0	27.0	32.0	14.0	35.0	16
JAMESTOWN	11.5	9.0	13.0	11.0	17.5	25.5	11.0	17.0	23.5	19.0	36.0	27.5	27.0	13.0	15.0	34.0	17
ATLANTA	7.5	20.0	19.0	22.5	3.5	23.5	24.5	30.5	10.5	22.5	9.5	20.0	15.0	10.0	16.0	12.5	18
ENJOY	21.0	9.0	23.0	28.5	11.5	28.0	22.0	21.5	6.5	22.5	8.0	20.0	1.0	21.5	23.5	3.0	19
WALDORF	36.0	32.0	24.5	4.5	31.5	9.5	32.5	10.0	33.5	26.0	18.5	2.5	16.5	4.0	9.5	21.0	20
MARY	7.5	20.0	17.5	22.5	29.0	25.5	24.5	23.0	10.5	16.0	12.0	24.5	12.5	18.0	34.0	1.5	21
SCARLET	21.0	9.0	27.0	22.5	22.5	21.0	29.0	35.0	15.0	16.0	7.0	13.0	22.0	6.5	31.5	32.0	22
MOLINDA	15.0	14.0	17.5	22.5	30.0	27.0	21.0	27.0	6.5	27.5	25.5	35.0	33.0	10.0	29.0	8.0	23
WILMA	21.0	13.0	15.0	32.0	8.0	34.0	30.0	32.0	29.5	21.0	30.5	30.5	22.0	18.0	18.0	22.0	24
BARLANDER (BAR FR 9F)	21.0	16.5	16.0	4.5	35.0	22.0	35.0	33.0	28.0	5.5	5.5	1.0	33.0	31.0	30.0	25.0	25
CAMARO	15.0	22.5	28.0	22.5	22.5	23.5	8.5	19.0	35.0	27.5	29.0	27.5	31.0	26.0	26.0	18.5	26
RAINBOW	7.5	22.5	35.0	28.5	11.5	29.0	35.0	25.5	25.0	19.0	5.5	10.0	25.0	18.0	31.5	8.0	27
CAPITOL	32.0	30.5	21.0	36.0	13.5	18.0	31.0	34.0	5.0	25.0	18.5	15.5	35.0	27.0	21.0	15.5	28
RAYMOND	32.0	35.0	29.0	28.5	22.5	20.0	6.0	25.5	31.0	12.0	15.0	27.5	4.0	21.5	25.0	15.5	29
FERNANDO (HF 112)	21.0	24.0	34.0	22.5	17.5	30.5	8.5	24.0	36.0	14.0	3.0	6.5	4.0	28.5	36.0	25.0	30
SIMONE (LD 3485)	2.5	30.5	31.0	11.0	15.0	33.0	6.0	28.0	17.0	36.0	25.5	33.0	22.0	10.0	33.0	29.0	31
PUMA	32.0	27.5	30.0	4.5	33.0	19.0	28.0	30.5	21.0	30.0	28.0	15.5	27.0	33.5	23.5	29.0	32
ERG 1143	28.0	25.5	33.0	11.0	34.0	35.0	32.5	19.0	22.0	33.0	30.5	20.0	29.0	16.0	27.5	10.5	33
BARNICA	29.5	33.0	24.5	22.5	17.5	30.5	26.5	36.0	32.0	31.5	25.5	33.0	30.0	35.0	27.5	29.0	34
DOVER (NK 82492)	26.0	34.0	36.0	17.0	27.0	32.0	35.0	12.5	29.5	35.0	34.0	33.0	36.0	28.5	19.0	25.0	35
KOKET	34.0	29.0	20.0	22.5	27.0	36.0	23.0	29.0	33.5	34.0	35.0	27.5	33.0	24.5	35.0	36.0	36

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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 SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/
1993 DATA

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

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
WARWICK	5.5	.	5.0	4.0	.	1.5	5.5	4.0	2.0	1.0	.	.	4.5	.	9.5	8.5	1
DISCOVERY (PST-4HD)	2.5	10.5	1.0	8.5	8.5	1.5	4.0	2.0	1.0	6.5	1.0	1.0	3.0	16.0	3.5	4.0	2
SR 3100 (SRX 89-31)	4.0	1.5	13.0	4.0	16.0	3.0	15.5	1.0	13.0	13.5	18.0	3.5	1.0	1.0	16.0	12.5	3
RELIANT-W/ ENDOPHYTE	8.0	6.0	3.0	8.5	13.0	4.0	12.0	3.0	7.0	3.0	4.5	5.0	10.0	17.0	14.0	8.5	4
SR 3000	1.0	6.0	11.0	4.0	15.0	6.5	11.0	12.0	16.0	11.5	11.0	2.0	6.5	5.0	6.5	1.5	5
AURORA	13.5	3.0	8.0	4.0	8.5	15.0	13.0	10.0	4.0	9.0	8.0	7.5	8.5	13.0	6.5	6.5	6
AURORA W/ENDO. (PST-AUE)	13.5	8.0	6.0	12.5	5.0	13.0	5.5	11.0	3.0	8.0	14.0	3.5	6.5	15.0	2.0	10.5	7
BILJART	7.0	1.5	16.0	1.0	8.5	16.0	18.0	13.0	5.5	4.0	4.5	7.5	11.5	6.5	1.0	15.0	8
PST-4AG	10.0	4.0	9.5	12.5	4.0	14.0	1.0	17.0	9.0	2.0	8.0	7.5	16.0	11.5	11.5	19.0	9
BRIGADE (MELODY)	13.5	6.0	4.0	12.5	18.0	5.0	8.0	8.0	11.5	19.0	6.0	16.5	11.5	18.0	3.5	18.0	10
VALDA	16.5	15.0	19.0	12.5	1.5	11.0	3.0	5.0	5.5	16.5	12.0	14.0	2.0	8.0	17.0	1.5	11
SILVANA	10.0	9.0	17.0	4.0	13.0	8.0	9.5	9.0	17.0	6.5	13.0	16.5	14.5	10.0	5.0	15.0	12
RELIANT-NO ENDOPHYTE	10.0	13.0	2.0	16.0	13.0	9.0	14.0	14.5	18.0	5.0	3.0	15.0	14.5	2.0	15.0	12.5	13
SCALDIS	13.5	18.0	14.0	7.0	8.5	10.0	2.0	6.0	15.0	13.5	16.0	12.5	17.0	3.5	11.5	4.0	14
EUREKA	16.5	14.0	9.5	17.5	8.5	12.0	17.0	14.5	14.0	16.5	8.0	11.0	4.5	3.5	13.0	4.0	15
SERRA	18.0	16.0	7.0	12.5	17.0	6.5	7.0	7.0	19.0	18.0	15.0	7.5	18.5	11.5	8.0	15.0	16
ATTILA	2.5	10.5	15.0	17.5	8.5	18.0	19.0	18.0	8.0	10.0	2.0	10.0	8.5	9.0	18.0	6.5	17
BARREPO	19.0	12.0	18.0	19.0	3.0	17.0	9.5	16.0	11.5	11.5	17.0	18.0	13.0	6.5	9.5	17.0	18
BARDUR (BAR FO 9A2)	5.5	17.0	12.0	12.5	1.5	19.0	15.5	19.0	10.0	15.0	10.0	12.5	18.5	14.0	19.0	10.5	19

TABLE 3F.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS
GROWN AT SIXTEEN LOCATIONS IN THE U.S. AND CANADA 1/
1993 DATA

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

NAME	IA1	IL2	KY1	MD1	MI1	NJ1	NJ2	NJ3	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
BIGHORN	1	1	1	2	1.5	1	2	1	1	1	1	1	1	1	2	2	1
MX 86	2	2	2	1	1.5	2	1	2	2	2	2	2	2	2	1	1	2

- 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. GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/			
	OR9	PA1	PA2	MEAN
MARKER	7.3	8.0	6.7	7.3
BARREPPPO	7.7	7.0	6.3	7.0
FLYER	6.7	8.0	6.3	7.0
PST-4C8	7.3	7.7	6.0	7.0
SHADOW	8.3	7.0	5.7	7.0
SOUTHPORT	8.0	7.3	5.7	7.0
SR 3100 (SRX 89-31)	7.3	6.7	7.0	7.0
ATTILA	7.3	6.3	7.0	6.9
BIGHORN	8.0	6.3	6.3	6.9
ELANDR	8.0	7.3	5.3	6.9
JASPER	6.7	7.7	6.0	6.8
LONGFELLOW	7.7	6.7	6.0	6.8
RAYMOND	7.7	6.7	6.0	6.8
SHADOW W/ENDO. (PST-SHE)	8.3	6.0	6.0	6.8
BELVEDERE	6.3	8.0	6.0	6.8
DIGNITY (OFI 89-200)	8.0	6.3	6.0	6.8
PST-43F	7.0	7.3	6.0	6.8
PST-4R3	7.3	7.0	6.0	6.8
WW RS 138	7.0	7.3	6.0	6.8
BARGENA II (BAR FR8RC3)	6.7	7.3	6.0	6.7
CLAUDIA	7.0	7.0	6.0	6.7
DOVER (NK 82492)	7.7	6.3	6.0	6.7
JAMESTOWN	8.0	6.0	6.0	6.7
REVERE (NK 88001)	6.7	6.7	.	6.7
SUNSET (ZW 42-158)	7.7	7.0	5.3	6.7
BANNER	7.7	6.0	6.0	6.6
BARGREEN	6.7	7.0	6.0	6.6
ERG 1143	7.7	6.0	6.0	6.6
TALUS (LD 3438)	6.0	7.7	6.0	6.6
BARDUR (BAR FO 9A2)	7.3	6.0	6.3	6.6
BARGENA	7.3	7.0	5.3	6.6
COLLO (LD 3414)	6.3	7.3	6.0	6.6
PST-4AG	7.3	6.3	6.0	6.6
JAMESTOWN II	7.7	6.0	5.7	6.4
MOLINDA	7.7	6.0	5.7	6.4
PST-4NI	7.0	6.7	5.7	6.4
SYLVESTER	7.0	6.7	5.7	6.4
89.1KR	7.3	5.7	6.3	6.4
BARLANDER (BAR FR 9F)	6.0	7.0	6.3	6.4
SILVANA	7.0	6.3	6.0	6.4
WILMA	7.3	6.0	6.0	6.4
AURORA	7.3	5.7	6.0	6.3
BILJART	7.3	5.7	6.0	6.3
BOREAL	7.0	6.7	5.3	6.3
BRIDGEPORT (N-105)	7.3	6.0	5.7	6.3
BRIGADE (MELODY)	7.3	6.0	5.7	6.3
CAMARO	6.7	6.3	6.0	6.3
DISCOVERY (PST-4HD)	7.0	6.0	6.0	6.3

GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN			
	OR9	PA1	PA2	MEAN
ENJOY	7.3	6.0	5.7	6.3
ENSYLVA	6.7	6.3	6.0	6.3
PROFORMER (JMB-89)	7.3	6.0	5.7	6.3
RELIANT-NO ENDOPHYTE	7.7	5.7	5.7	6.3
RELIANT-W/ ENDOPHYTE	6.7	6.0	6.3	6.3
SCARLET	6.3	6.7	6.0	6.3
SHADEMASTER	6.0	7.3	5.7	6.3
SR 5000	7.7	6.0	5.3	6.3
TIFFANY (PST-4CD)	7.7	5.3	6.0	6.3
AURORA W/ENDO. (PST-AUE)	6.7	6.0	6.0	6.2
FRANKLIN	6.3	6.7	5.7	6.2
KCKET	7.0	5.7	6.0	6.2
MX 86	7.0	5.7	6.0	6.2
PST-4FE	7.0	5.7	6.0	6.2
SALEM	5.7	7.0	6.0	6.2
SERRA	7.7	4.7	6.3	6.2
CAPITOL	6.7	5.7	6.0	6.1
CINDY	6.7	6.0	5.7	6.1
FERNANDO (HF 112)	6.7	6.0	5.7	6.1
SCALDIS	7.0	5.7	5.7	6.1
WALDORF	6.7	5.7	6.0	6.1
SIMONE (LD 3485)	6.7	5.3	6.0	6.0
SR 3000	7.3	5.0	5.7	6.0
SYLVIA (WW RS 130)	6.7	6.0	5.3	6.0
VALDA	5.7	6.3	6.0	6.0
EUREKA	6.7	5.3	5.7	5.9
MARY	6.0	5.7	6.0	5.9
TROPHY (ESTORIL)	5.7	6.0	6.0	5.9
ATLANTA	5.7	5.7	6.0	5.8
PUMA	6.7	5.0	5.7	5.8
HF 138	5.3	6.0	6.0	5.8
NAPOLI (LD 3488)	5.3	5.7	6.3	5.8
SEABREEZE (FRT-30149)	5.3	6.0	6.0	5.8
DAWSON	4.7	6.3	6.0	5.7
WW RS 143	6.0	5.7	5.3	5.7
RAINBOW	6.3	4.7	5.7	5.6
BARNICA	6.3	5.0	5.3	5.6
BARCROWN	4.3	6.3	5.7	5.4
BARSKOL (BAR FR 9P)	4.0	6.3	6.0	5.4
HERALD	6.0	5.3	5.0	5.4
SMIRNA (ZW 42-160)	5.0	5.7	.	5.3
VISTA	5.0	6.0	5.0	5.3
COMFORT (HF 102)	4.3	5.7	5.7	5.2
BARLOTTE	5.0	4.7	5.0	4.9
EPSOM	4.3	4.7	.	4.5
LSD VALUE	0.9	1.2	0.6	0.6

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

TABLE 4B. GENETIC COLOR RATINGS OF CREEPING RED FESCUE CULTIVARS
1993 DATA
GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/

NAME	OR9	PA1	PA2	MEAN
FLYER	6.7	8.0	6.3	7.0
PST-4C8	7.3	7.7	6.0	7.0
ELANOR	8.0	7.3	5.3	6.9
JASPER	6.7	7.7	6.0	6.8
BELVEDERE	6.3	8.0	6.0	6.8
PST-43F	7.0	7.3	6.0	6.8
PST-4R3	7.3	7.0	6.0	6.8
WW RS 138	7.0	7.3	6.0	6.8
BARGENA II (BAR FR8RC3)	6.7	7.3	6.0	6.7
CLAUDIA	7.0	7.0	6.0	6.7
REVERE (NK 88001)	6.7	6.7	.	6.7
SUNSET (ZW 42-158)	7.7	7.0	5.3	6.7
TALUS (LD 3438)	6.0	7.7	6.0	6.6
BARGENA	7.3	7.0	5.3	6.6
COLLO (LD 3414)	6.3	7.3	6.0	6.6
PST-4NI	7.0	6.7	5.7	6.4
SYLVESTER	7.0	6.7	5.7	6.4
BOREAL	7.0	6.7	5.3	6.3
ENSYLVA	6.7	6.3	6.0	6.3
SHADEMASTER	6.0	7.3	5.7	6.3
FRANKLIN	6.3	6.7	5.7	6.2
SALEM	5.7	7.0	6.0	6.2
CINDY	6.7	6.0	5.7	6.1
SYLVIA (WW RS 130)	6.7	6.0	5.3	6.0
WW RS 143	6.0	5.7	5.3	5.7
HERALD	6.0	5.3	5.0	5.4
VISTA	5.0	6.0	5.0	5.3
LSD VALUE	0.8	1.2	0.6	0.5

TABLE 4C. GENETIC COLOR RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1993 DATA
GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/

NAME	OR9	PA1	PA2	MEAN
MARKER	7.3	8.0	6.7	7.3
HF 138	5.3	6.0	6.0	5.8
NAPOLI (LD 3488)	5.3	5.7	6.3	5.8
SEABREEZE (FRT-30149)	5.3	6.0	6.0	5.8
DAWSON	4.7	6.3	6.0	5.7
BARCROWN	4.3	6.3	5.7	5.4
BARSKOL (BAR FR 9P)	4.0	6.3	6.0	5.4
SMIRNA (ZW 42-160)	5.0	5.7	.	5.3
COMFORT (HF 102)	4.3	5.7	5.7	5.2
BARLOTTE	5.0	4.7	5.0	4.9
LSD VALUE	0.9	1.3	0.6	0.6

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

TABLE 4D. GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS
1993 DATA

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

NAME	OR9	PA1	PA2	MEAN
SHADOW	8.3	7.0	5.7	7.0
SOUTHPORT	8.0	7.3	5.7	7.0
LONGFELLOW	7.7	6.7	6.0	6.8
RAYMOND	7.7	6.7	6.0	6.8
SHADOW W/ENDO. (PST-SHE)	8.3	6.0	6.0	6.8
DIGNITY (OFI 89-200)	8.0	6.3	6.0	6.8
DOVER (NK 82492)	7.7	6.3	6.0	6.7
JAMESTOWN	8.0	6.0	6.0	6.7
BANNER	7.7	6.0	6.0	6.6
BARGREEN	6.7	7.0	6.0	6.6
ERG 1143	7.7	6.0	6.0	6.6
JAMESTOWN II	7.7	6.0	5.7	6.4
MOLINDA	7.7	6.0	5.7	6.4
89.LKR	7.3	5.7	6.3	6.4
BARLANDER (BAR FR 9F)	6.0	7.0	6.3	6.4
WILMA	7.3	6.0	6.0	6.4
BRIDGEPORT (N-105)	7.3	6.0	5.7	6.3
CAMARO	6.7	6.3	6.0	6.3
ENJOY	7.3	6.0	5.7	6.3
PROFORMER (JMB-89)	7.3	6.0	5.7	6.3
SCARLET	6.3	6.7	6.0	6.3
SR 5000	7.7	6.0	5.3	6.3
TIFFANY (PST-4CD)	7.7	5.3	6.0	6.3
KOKET	7.0	5.7	6.0	6.2
PST-4FE	7.0	5.7	6.0	6.2
CAPITOL	6.7	5.7	6.0	6.1
FERNANDO (HF 112)	6.7	6.0	5.7	6.1
WALDORF	6.7	5.7	6.0	6.1
SIMONE (LD 3485)	6.7	5.3	6.0	6.0
MARY	6.0	5.7	6.0	5.9
TROPHY (ESTORIL)	5.7	6.0	6.0	5.9
ATLANTA	5.7	5.7	6.0	5.8
PUMA	6.7	5.0	5.7	5.8
RAINBOW	6.3	4.7	5.7	5.6
BARNICA	6.3	5.0	5.3	5.6
EPSOM	4.3	4.7	.	4.5
LSD VALUE	0.8	1.3	0.6	0.6

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

TABLE 4E. GENETIC COLOR RATINGS OF HARD FESCUE CULTIVARS
1993 DATA

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

NAME	OR9	PA1	PA2	MEAN
BARREPP0	7.7	7.0	6.3	7.0
SR 3100 (SRX 89-31)	7.3	6.7	7.0	7.0
ATTILA	7.3	6.3	7.0	6.9
BARDUR (BAR FO 9A2)	7.3	6.0	6.3	6.6
PST-4AG	7.3	6.3	6.0	6.6
SILVANA	7.0	6.3	6.0	6.4
AURORA	7.3	5.7	6.0	6.3
BILJART	7.3	5.7	6.0	6.3
BRIGADE (MELODY)	7.3	6.0	5.7	6.3
DISCOVERY (PST-4HD)	7.0	6.0	6.0	6.3
RELIANT-NO ENDOPHYTE	7.7	5.7	5.7	6.3
RELIANT-W/ ENDOPHYTE	6.7	6.0	6.3	6.3
AURORA W/ENDO. (PST-AUE)	6.7	6.0	6.0	6.2
SERRA	7.7	4.7	6.3	6.2
SCALDIS	7.0	5.7	5.7	6.1
SR 3000	7.3	5.0	5.7	6.0
VALDA	5.7	6.3	6.0	6.0
EUREKA	6.7	5.3	5.7	5.9
LSD VALUE	1.2	1.0	0.7	0.6

TABLE 4F. GENETIC COLOR RATINGS OF SHEEP FESCUE CULTIVARS
1993 DATA

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

NAME	OR9	PA1	PA2	MEAN
BIGHORN	8.0	6.3	6.3	6.9
MX 86	7.0	5.7	6.0	6.2
LSD VALUE	1.1	0.9	1.3	0.7

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

TABLE 5A. SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

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

NAME	PA1	PA2	RI1	MEAN
PST-43F	7.3	3.0	6.7	5.7
CAMARO	5.3	3.0	8.3	5.6
MOLINDA	5.7	2.7	7.7	5.3
FERNANDO (HF 112)	5.7	3.3	6.7	5.2
FLYER	6.3	2.7	6.7	5.2
SCARLET	5.7	2.7	7.3	5.2
VISTA	7.0	2.3	6.3	5.2
REVERE (NK 88001)	5.3	.	5.0	5.2
BARLOTTE	6.0	2.3	7.0	5.1
HERALD	6.0	3.0	6.3	5.1
SYLVIA (WW RS 130)	6.0	3.0	6.3	5.1
EPSOM	3.7	.	6.3	5.0
FRANKLIN	6.3	2.0	6.7	5.0
SHADOW W/ENDO. (PST-SHE)	4.7	2.3	8.0	5.0
SMIRNA (ZW 42-160)	4.0	.	6.0	5.0
SYLVESTER	6.0	3.0	6.0	5.0
ATLANTA	5.3	2.7	6.7	4.9
BARGENA II (BAR FR8RC3)	5.7	3.0	6.0	4.9
BARNICA	4.7	2.7	7.3	4.9
CINDY	5.3	2.7	6.7	4.9
KOKET	4.7	3.0	7.0	4.9
PST-4R3	5.7	3.0	6.0	4.9
RAYMOND	5.7	2.3	6.7	4.9
SEABREEZE (FRT-30149)	5.7	3.0	6.0	4.9
CAPITOL	5.0	2.7	6.7	4.8
ELANOR	6.0	2.7	5.7	4.8
JASPER	5.7	2.7	6.0	4.8
RAINBOW	5.3	2.3	6.7	4.8
SALEM	6.0	2.0	6.3	4.8
SHALEMASTER	4.7	2.7	7.0	4.8
SR 5000	5.0	3.0	6.3	4.8
WW RS 143	6.3	2.0	6.0	4.8
BARLANDER (BAR FR 9F)	5.0	2.7	6.3	4.7
BOREAL	4.7	3.3	6.0	4.7
ENSYLVA	5.7	2.0	6.3	4.7
JAMESTOWN	4.3	3.0	6.7	4.7
PST-4C8	5.3	2.7	6.0	4.7
WW RS 138	6.0	1.7	6.3	4.7
BRIDGEPORT (N-105)	4.7	2.3	6.7	4.6
COMFORT (HF 102)	5.3	2.7	5.7	4.6
PUMA	5.0	2.3	6.3	4.6
CLAUDIA	4.7	2.7	6.0	4.4
PST-4NI	5.0	2.3	6.0	4.4
SOUTHPORT	4.0	1.7	7.7	4.4
TIFFANY (PST-4CD)	4.7	2.0	6.7	4.4
ATILA	3.3	3.7	6.3	4.4
BARGREEN	5.0	2.7	5.7	4.4
SHADOW	4.3	2.3	6.7	4.4

SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	PA1	PA2	RI1	MEAN
BARREPPPO	4.0	3.3	5.7	4.3
DAWSON	4.7	3.0	5.3	4.3
EUREKA	4.3	3.3	5.3	4.3
HF 138	5.7	2.3	5.0	4.3
JAMESTOWN II	4.3	2.7	6.0	4.3
LONGFELLOW	5.0	2.3	5.7	4.3
MARKER	5.0	2.7	5.3	4.3
TROPHY (ESTORIL)	4.3	2.7	6.0	4.3
BANNER	4.0	2.7	6.0	4.2
DIGNITY (OFI 89-200)	4.0	2.3	6.3	4.2
MARY	4.3	2.7	5.7	4.2
SUNSET (ZW 42-158)	4.7	2.0	6.0	4.2
BARDUR (BAR FO 9A2)	3.0	4.0	5.3	4.1
PROFORMER (JMB-89)	3.7	2.7	6.0	4.1
EST-4FE	4.3	2.3	5.7	4.1
BARCROWN	4.7	2.0	5.3	4.0
BARGENA	4.3	2.0	5.7	4.0
DOVER (NK 82492)	3.3	1.7	7.0	4.0
ENJOY	4.0	2.0	6.0	4.0
RELIANT-NO ENDOPHYTE	3.0	4.3	4.7	4.0
SIMONE (LD 3485)	4.3	2.0	5.7	4.0
ERIGADE (MELODY)	3.0	3.3	5.3	3.9
RELIANT-W/ ENDOPHYTE	3.0	4.3	4.3	3.9
BARSKOL (BAR FR 9P)	4.0	2.0	5.3	3.8
PST-4AG	3.0	3.7	4.7	3.8
SERRA	2.7	3.7	5.0	3.8
BELEDERE	3.7	2.0	5.3	3.7
VALDA	2.7	3.0	5.3	3.7
WARWICK	.	.	3.7	3.7
WILMA	3.3	2.0	5.7	3.7
SR 3000	2.0	4.0	4.7	3.6
SCALDIS	2.7	3.7	4.3	3.6
AURORA	2.3	4.0	4.0	3.4
BILJART	2.0	3.3	5.0	3.4
AURORA W/ENDO. (PST-AUE)	2.7	3.3	4.3	3.4
COLLO (LD 3414)	3.0	2.0	5.3	3.4
ERG 1143	3.7	2.3	4.3	3.4
SR 3100 (SRX 89-31)	3.0	3.0	4.3	3.4
WALDORF	3.7	2.0	4.7	3.4
NAPOLI (LD 3488)	2.3	2.7	5.0	3.3
MK 86	2.3	2.3	4.7	3.1
TALUS (LD 3438)	3.3	2.3	3.7	3.1
BIGHORN	2.0	2.7	4.3	3.0
DISCOVERY (PST-4HD)	1.7	3.0	4.3	3.0
89.LKR	1.3	2.3	5.0	2.9
SILVANA	1.3	2.3	4.0	2.6
LSD VALUE	1.6	1.0	1.4	0.8

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

TABLE 5B. SPRING GREENUP RATINGS OF CREEPING RED FESCUE CULTIVARS
1993 DATA
SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 1/

NAME	PA1	PA2	RI1	MEAN
PST-43F	7.3	3.0	6.7	5.7
FLYER	6.3	2.7	6.7	5.2
VISTA	7.0	2.3	6.3	5.2
REVERE (NK 88001)	5.3	.	5.0	5.2
HERALD	6.0	3.0	6.3	5.1
SYLVIA (WW RS 130)	6.0	3.0	6.3	5.1
FRANKLIN	6.3	2.0	6.7	5.0
SYLVESTER	6.0	3.0	6.0	5.0
BARGENA II (BAR FR8RC3)	5.7	3.0	6.0	4.9
CINDY	5.3	2.7	6.7	4.9
PST-4R3	5.7	3.0	6.0	4.9
ELANOR	6.0	2.7	5.7	4.8
JASPER	5.7	2.7	6.0	4.8
SALEM	6.0	2.0	6.3	4.8
SHADEMASTER	4.7	2.7	7.0	4.8
WW RS 143	6.3	2.0	6.0	4.8
BOREAL	4.7	3.3	6.0	4.7
ENSYLVA	5.7	2.0	6.3	4.7
PST-4C8	5.3	2.7	6.0	4.7
WW RS 138	6.0	1.7	6.3	4.7
CLAUDIA	4.7	2.7	6.0	4.4
PST-4NI	5.0	2.3	6.0	4.4
SUNSET (ZW 42-158)	4.7	2.0	6.0	4.2
BARGENA	4.3	2.0	5.7	4.0
BELVEDERE	3.7	2.0	5.3	3.7
COLLO (LD 3414)	3.0	2.0	5.3	3.4
TALUS (LD 3438)	3.3	2.3	3.7	3.1
LSD VALUE	1.9	0.9	1.4	0.8

TABLE 5C. SPRING GREENUP RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1993 DATA
SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 1/

NAME	PA1	PA2	RI1	MEAN
BARLOTTE	6.0	2.3	7.0	5.1
SMIRNA (ZW 42-160)	4.0	.	6.0	5.0
SEABREEZE (FRT-30149)	5.7	3.0	6.0	4.9
COMFORT (HF 102)	5.3	2.7	5.7	4.6
DAWSON	4.7	3.0	5.3	4.3
HF 138	5.7	2.3	5.0	4.3
MARKER	5.0	2.7	5.3	4.3
BARCROWN	4.7	2.0	5.3	4.0
BARSKOL (BAR FR 9P)	4.0	2.0	5.3	3.8
NAPOLI (LD 3488)	2.3	2.7	5.0	3.3
LSD VALUE	1.1	1.0	1.4	0.7

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

TABLE 5D. SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS
1993 DATA

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

NAME	PA1	PA2	RI1	MEAN
CAMARO	5.3	3.0	8.3	5.6
MOLINDA	5.7	2.7	7.7	5.3
FERNANDO (HF 112)	5.7	3.3	6.7	5.2
SCARLET	5.7	2.7	7.3	5.2
EPSOM	3.7	.	6.3	5.0
SHADOW W/ENDO. (PST-SHE)	4.7	2.3	8.0	5.0
ATLANTA	5.3	2.7	6.7	4.9
BARNICA	4.7	2.7	7.3	4.9
KOKET	4.7	3.0	7.0	4.9
RAYMOND	5.7	2.3	6.7	4.9
CAPITOL	5.0	2.7	6.7	4.8
RAINBOW	5.3	2.3	6.7	4.8
SR 5000	5.0	3.0	6.3	4.8
BARLANDER (BAR FR 9F)	5.0	2.7	6.3	4.7
JAMESTOWN	4.3	3.0	6.7	4.7
BRIDGEPORT (N-105)	4.7	2.3	6.7	4.6
PUMA	5.0	2.3	6.3	4.6
SOUTHPORT	4.0	1.7	7.7	4.4
TIFFANY (PST-4CD)	4.7	2.0	6.7	4.4
BARGREEN	5.0	2.7	5.7	4.4
SHADOW	4.3	2.3	6.7	4.4
JAMESTOWN II	4.3	2.7	6.0	4.3
LONGFELLOW	5.0	2.3	5.7	4.3
TROPHY (ESTCRIL)	4.3	2.7	6.0	4.3
BANNER	4.0	2.7	6.0	4.2
DIGNITY (OFI 89-200)	4.0	2.3	6.3	4.2
MARY	4.3	2.7	5.7	4.2
PROFORMER (JMB-89)	3.7	2.7	6.0	4.1
PST-4FE	4.3	2.3	5.7	4.1
DOVER (NK 82492)	3.3	1.7	7.0	4.0
ENJOY	4.0	2.0	6.0	4.0
SIMONE (LD 3485)	4.3	2.0	5.7	4.0
WILMA	3.3	2.0	5.7	3.7
ERG 1143	3.7	2.3	4.3	3.4
WALDORF	3.7	2.0	4.7	3.4
89.LKR	1.3	2.3	5.0	2.9
LSD VALUE	1.4	0.9	1.5	0.8

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

TABLE 5E.

SPRING GREENUP RATINGS OF HARD FESCUE CULTIVARS
1993 DATA

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

NAME	PA1	PA2	RI1	MEAN
ATTLA	3.3	3.7	6.3	4.4
BARREPP0	4.0	3.3	5.7	4.3
EUREKA	4.3	3.3	5.3	4.3
BARDUR (BAR FO 9A2)	3.0	4.0	5.3	4.1
RELIANT-NO ENDOPHYTE	3.0	4.3	4.7	4.0
BRIGADE (MELODY)	3.0	3.3	5.3	3.9
RELIANT-W/ ENDOPHYTE	3.0	4.3	4.3	3.9
PST-4AG	3.0	3.7	4.7	3.8
SERRA	2.7	3.7	5.0	3.8
VALDA	2.7	3.0	5.3	3.7
WARWICK	.	.	3.7	3.7
SR 3000	2.0	4.0	4.7	3.6
SCALDIS	2.7	3.7	4.3	3.6
AURORA	2.3	4.0	4.0	3.4
BILJART	2.0	3.3	5.0	3.4
AURORA W/END0. (PST-AUE)	2.7	3.3	4.3	3.4
SR 3100 (SRX 89-31)	3.0	3.0	4.3	3.4
DISCOVERY (EST-4HD)	1.7	3.0	4.3	3.0
SILVANA	1.3	2.3	4.0	2.6
LSD VALUE	1.4	1.1	1.1	0.7

TABLE 5F.

SPRING GREENUP RATINGS OF SHEEP FESCUE CULTIVARS
1993 DATA

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

NAME	PA1	PA2	RI1	MEAN
MX 86	2.3	2.3	4.7	3.1
BIGHORN	2.0	2.7	4.3	3.0
LSD VALUE	2.1	0.9	0.9	0.8

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

TABLE 6A. SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

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

NAME	PA1	SK1	MEAN
89.LKR	6.7	.	6.7
BARDUR (BAR FO 9A2)	7.3	5.7	6.5
VALDA	6.3	6.7	6.5
ATTILA	6.7	6.0	6.3
AURORA	6.7	6.0	6.3
BARREPPPO	6.3	6.3	6.3
EUREKA	6.3	6.3	6.3
RELIANT-W/ ENDOPHYTE	6.7	5.7	6.2
SR 3000	6.7	5.7	6.2
SILVANA	6.0	6.3	6.2
AURORA W/ENDO. (PST-AUE)	6.7	5.3	6.0
DAWSON	5.3	6.7	6.0
EPSOM	6.0	6.0	6.0
NAPOLI (LD 3488)	5.7	6.3	6.0
PST-4AG	6.7	5.3	6.0
RELIANT-NO ENDOPHYTE	6.3	5.7	6.0
SERRA	6.7	5.3	6.0
SMIRNA (ZW 42-160)	6.3	5.7	6.0
ATLANTA	6.0	5.7	5.8
BRIGADE (MELODY)	6.7	5.0	5.8
DISCOVERY (PST-4HD)	7.0	4.7	5.8
LONGFELLOW	6.0	5.7	5.8
TIFFANY (PST-4CD)	5.7	6.0	5.8
TROPHY (ESTORIL)	5.7	6.0	5.8
BILJART	6.3	5.3	5.8
JASPER	5.3	6.3	5.8
CINDY	4.7	6.7	5.7
ELANOR	5.7	5.7	5.7
MARKER	5.7	5.7	5.7
PROFORMER (JMB-89)	5.7	5.7	5.7
BARGREEN	6.0	5.3	5.7
BARSKOL (BAR FR 9P)	6.0	5.3	5.7
BRIDGEPORT (N-105)	6.0	5.3	5.7
REVERE (NK 88001)	5.0	6.3	5.7
SCALDIS	6.3	5.0	5.7
BIGHORN	6.3	4.7	5.5
CAPITOL	5.0	6.0	5.5
COLLO (LD 3414)	5.3	5.7	5.5
DIGNITY (OFI 89-200)	6.0	5.0	5.5
ERG 1143	5.7	5.3	5.5
FERNANDO (HF 112)	5.7	5.3	5.5
FLYER	5.7	5.3	5.5
PST-4FE	5.3	5.7	5.5
PST-4NI	5.0	6.0	5.5
RAINBOW	5.3	5.7	5.5
SCARLET	6.3	4.7	5.5
WILMA	5.0	6.0	5.5
BARCROWN	5.7	5.0	5.3

SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	PA1	SK1	MEAN
BARLOTTE	5.0	5.7	5.3
HERALD	4.7	6.0	5.3
SEABREEZE (FRT-30149)	5.0	5.7	5.3
SHADOW W/ENDO. (PST-SHE)	5.0	5.7	5.3
SR 3100 (SRX 89-31)	5.7	5.0	5.3
WW RS 138	5.0	5.7	5.3
DOVER (NK 82492)	5.3	5.3	5.3
FRANKLIN	5.3	5.3	5.3
JAMESTOWN II	5.3	5.3	5.3
MARY	5.3	5.3	5.3
PST-43F	6.3	4.3	5.3
PST-4R3	5.3	5.3	5.3
BARLANDER (BAR FR 9F)	5.7	4.7	5.2
HF 138	4.7	5.7	5.2
SALEM	4.7	5.7	5.2
CAMARO	5.3	5.0	5.2
ENJOY	5.3	5.0	5.2
MOLINDA	5.0	5.3	5.2
MX 86	5.3	5.0	5.2
RAYMOND	5.3	5.0	5.2
SOUTHPORT	5.0	5.3	5.2
SYLVIA (WW RS 130)	5.3	5.0	5.2
WALDORF	5.3	5.0	5.2
JAMESTOWN	4.3	5.7	5.0
KOKET	4.3	5.7	5.0
PST-4C8	5.0	5.0	5.0
PUMA	4.7	5.3	5.0
SHADEMASTER	4.7	5.3	5.0
SIMONE (LD 3485)	5.7	4.3	5.0
SR 5000	5.3	4.7	5.0
SUNSET (ZW 42-158)	4.3	5.7	5.0
TALUS (LD 3438)	5.3	4.7	5.0
WW RS 143	4.3	5.7	5.0
BARGENA	4.0	5.7	4.8
BARNICA	5.0	4.7	4.8
VISTA	5.0	4.7	4.8
CLAUDIA	3.3	6.3	4.8
BANNER	4.3	5.0	4.7
ENSYLVA	4.0	5.3	4.7
SHADOW	4.3	5.0	4.7
BARGENA II (BAR FR8RC3)	4.0	5.0	4.5
BELVEDERE	4.3	4.7	4.5
BOREAL	4.3	4.7	4.5
COMFORT (HF 102)	4.0	5.0	4.5
SYLVESTER	4.7	4.3	4.5
LSD VALUE	1.1	1.2	0.8

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

TABLE 6B. SPRING DENSITY RATINGS OF CREEPING RED FESCUE CULTIVARS
1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	PA1	SK1	MEAN
JASPER	5.3	6.3	5.8
CINDY	4.7	6.7	5.7
ELANOR	5.7	5.7	5.7
REVERE (NK 88001)	5.0	6.3	5.7
COLLO (ID 3414)	5.3	5.7	5.5
FLYER	5.7	5.3	5.5
PST-4NI	5.0	6.0	5.5
HERALD	4.7	6.0	5.3
WW RS 138	5.0	5.7	5.3
FRANKLIN	5.3	5.3	5.3
PST-43F	6.3	4.3	5.3
PST-4R3	5.3	5.3	5.3
SALEM	4.7	5.7	5.2
SYLVIA (WW RS 130)	5.3	5.0	5.2
PST-4C8	5.0	5.0	5.0
SHADEMASTER	4.7	5.3	5.0
SUNSET (ZW 42-158)	4.3	5.7	5.0
TALUS (ID 3438)	5.3	4.7	5.0
WW RS 143	4.3	5.7	5.0
BARGENA	4.0	5.7	4.8
VISTA	5.0	4.7	4.8
CLAUDIA	3.3	6.3	4.8
ENSYLVA	4.0	5.3	4.7
BARGENA II (BAR FR8RC3)	4.0	5.0	4.5
BELVEDEFE	4.3	4.7	4.5
BOREAL	4.3	4.7	4.5
SYLVESTER	4.7	4.3	4.5
LSD VALUE	1.0	1.1	0.7

TABLE 6C. SPRING DENSITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	PA1	SK1	MEAN
DAWSON	5.3	6.7	6.0
NAPOLI (LD 3488)	5.7	6.3	6.0
SMIRNA (ZW 42-160)	6.3	5.7	6.0
MARKER	5.7	5.7	5.7
BARSKOL (BAR FR 9P)	6.0	5.3	5.7
BARCROWN	5.7	5.0	5.3
BARLOTTE	5.0	5.7	5.3
SEABREEZE (FRT-30149)	5.0	5.7	5.3
HF 138	4.7	5.7	5.2
COMFORT (HF 102)	4.0	5.0	4.5
LSD VALUE	0.9	1.2	0.7

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

TABLE 6D. SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS
1993 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/			
NAME	PA1	SK1	MEAN
89.LKR	6.7	.	6.7
EPSOM	6.0	6.0	6.0
ATLANTA	6.0	5.7	5.8
LONGFELLOW	6.0	5.7	5.8
TIFFANY (PST-4CD)	5.7	6.0	5.8
TROPHY (ESTORIL)	5.7	6.0	5.8
PROFORMER (JMB-89)	5.7	5.7	5.7
BARGREEN	6.0	5.3	5.7
BRIDGEPORT (N-105)	6.0	5.3	5.7
CAPITOL	5.0	6.0	5.5
DIGNITY (OFI 89-200)	6.0	5.0	5.5
ERG 1143	5.7	5.3	5.5
FERNANDO (HF 112)	5.7	5.3	5.5
PST-4FE	5.3	5.7	5.5
RAINBOW	5.3	5.7	5.5
SCARLET	6.3	4.7	5.5
WILMA	5.0	6.0	5.5
SHADOW W/ENDO. (PST-SHE)	5.0	5.7	5.3
DOVER (NK 82492)	5.3	5.3	5.3
JAMESTOWN II	5.3	5.3	5.3
MARY	5.3	5.3	5.3
BARLANDER (BAR FR 9F)	5.7	4.7	5.2
CAMARO	5.3	5.0	5.2
ENJOY	5.3	5.0	5.2
MOLINDA	5.0	5.3	5.2
RAYMOND	5.3	5.0	5.2
SOUTHPORT	5.0	5.3	5.2
WALDORF	5.3	5.0	5.2
JAMESTOWN	4.3	5.7	5.0
KOKET	4.3	5.7	5.0
PUMA	4.7	5.3	5.0
SIMONE (LD 3485)	5.7	4.3	5.0
SR 5000	5.3	4.7	5.0
BARNICA	5.0	4.7	4.8
BANNER	4.3	5.0	4.7
SHADOW	4.3	5.0	4.7
LSD VALUE	1.1	1.3	0.9

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).

TABLE 6E. SPRING DENSITY RATINGS OF HARD FESCUE CULTIVARS
1993 DATA

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

NAME	PA1	SK1	MEAN
BARDUR (BAR FO 9A2)	7.3	5.7	6.5
VALDA	6.3	6.7	6.5
ATTILA	6.7	6.0	6.3
AURORA	6.7	6.0	6.3
BARREPPPO	6.3	6.3	6.3
EUREKA	6.3	6.3	6.3
RELIANT-W/ ENDOPHYTE	6.7	5.7	6.2
SR 3000	6.7	5.7	6.2
SILVANA	6.0	6.3	6.2
AURORA W/ENDO. (PST-AUE)	6.7	5.3	6.0
PST-4AG	6.7	5.3	6.0
RELIANT-NO ENDOPHYTE	6.3	5.7	6.0
SERRA	6.7	5.3	6.0
BRIGADE (MELODY)	6.7	5.0	5.8
DISCOVERY (PST-4HD)	7.0	4.7	5.8
BILJART	6.3	5.3	5.8
SCALDIS	6.3	5.0	5.7
SR 3100 (SRX 89-31)	5.7	5.0	5.3
LSD VALUE	1.2	1.2	0.8

TABLE 6F. SPRING DENSITY RATINGS OF SHEEP FESCUE CULTIVARS
1993 DATA

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

NAME	PA1	SK1	MEAN
BIGHORN	6.3	4.7	5.5
MX 86	5.3	5.0	5.2
LSD VALUE	0.9	1.7	1.0

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

TABLE 7A.

SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

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

NAME	SK1
CINDY	6.7
DAWSON	6.7
EUREKA	6.7
HERALD	6.7
MARKER	6.7
NAPOLI (LD 3488)	6.7
SILVANA	6.7
SMIRNA (ZW 42-160)	6.7
TIFFANY (PST-4CD)	6.7
ATLANTA	6.3
BARREPPPO	6.3
BARSKOL (BAR FR 9P)	6.3
JASPER	6.3
KOKET	6.3
LONGFELLOW	6.3
MOLINDA	6.3
PROFORMER (JMB-89)	6.3
RELIANT-NO ENDOPHYTE	6.3
REVERE (NK 88001)	6.3
SHADOW W/ENDO. (PST-SHE)	6.3
SR 3000	6.3
TROPHY (ESTORIL)	6.3
VALDA	6.3
WW RS 143	6.3
ATTLA	6.0
BARCROWN	6.0
BARDUR (BAR FO 9A2)	6.0
BARGREEN	6.0
BARLOTTE	6.0
CAPITOL	6.0
CLAUDIA	6.0
COLLO (ID 3414)	6.0
ELANOR	6.0
ERG 1143	6.0
JAMESTOWN	6.0
PST-4NI	6.0
PST-4R3	6.0
RAINBOW	6.0
SALEM	6.0
SEABREEZE (FRT-30149)	6.0
SHADEMASTER	6.0
WILMA	6.0
AURORA	5.7
BELVEDEFE	5.7
BILJART	5.7
COMFORT (HF 102)	5.7
DIGNITY (OFI 89-200)	5.7

SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	SK1
ENSYLVA	5.7
EPSOM	5.7
FERNANDO (HF 112)	5.7
FLYER	5.7
FRANKLIN	5.7
HF 138	5.7
JAMESTOWN II	5.7
PST-43F	5.7
PST-4AG	5.7
PST-4FE	5.7
PUMA	5.7
SCALDIS	5.7
SERRA	5.7
SHADOW	5.7
VISTA	5.7
WALDORF	5.7
WW RS 138	5.7
AURORA W/ENDO. (PST-AUE)	5.3
BANNER	5.3
BARGENA II (BAR FR8RC3)	5.3
BIGHORN	5.3
BRIDGEPORT (N-105)	5.3
BRIGADE (MELODY)	5.3
CAMARO	5.3
DISCOVERY (PST-4HD)	5.3
DOVER (NK 82492)	5.3
ENJOY	5.3
MARY	5.3
MX 86	5.3
PST-4C8	5.3
RAYMOND	5.3
RELIANT-W/ ENDOPHYTE	5.3
SOUTHPORT	5.3
SR 3100 (SRX 89-31)	5.3
SR 5000	5.3
SUNSET (ZW 42-158)	5.3
BARGENA	5.0
BARLANDER (BAR FR 9F)	5.0
BARNICA	5.0
BOREAL	5.0
SIMONE (LD 3485)	5.0
SYLVIA (WW RS 130)	5.0
TALUS (LD 3438)	5.0
SCARLET	4.3
SYLVESTER	4.3
LSD VALUE	1.2

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

TABLE 7B. SUMMER DENSITY RATINGS OF CREEPING RED FESCUE CULTIVARS
1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	SK1
CINDY	6.7
HERALD	6.7
JASPER	6.3
REVERE (NK 88001)	6.3
WW RS 143	6.3
CLAUDIA	6.0
COLLO (LD 3414)	6.0
ELANOR	6.0
EST-4NI	6.0
EST-4R3	6.0
SALEM	6.0
SHADEMASTER	6.0
EELVEDERE	5.7
ENSYLVA	5.7
FLYER	5.7
FRANKLIN	5.7
EST-43F	5.7
VISTA	5.7
WW RS 138	5.7
BARGENA II (BAR FR8RC3)	5.3
EST-4C8	5.3
SUNSET (ZW 42-158)	5.3
BARGENA	5.0
BOREAL	5.0
SYLVIA (WW RS 130)	5.0
TALUS (LD 3438)	5.0
SYLVESTER	4.3
LSD VALUE	1.3

TABLE 7C. SUMMER DENSITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	SK1
DAWSON	6.7
MARKER	6.7
NAPOLI (LD 3488)	6.7
SMIRNA (ZW 42-160)	6.7
BARSKOL (BAR FR 9P)	6.3
BARCROWN	6.0
BARLOTTE	6.0
SEABREEZE (FRT-30149)	6.0
COMFORT (HF 102)	5.7
HF 138	5.7
LSD VALUE	0.9

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).

TABLE 7D. SUMMER DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS
1993 DATA

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

NAME	SK1
TIFFANY (PST-4CD)	6.7
ATLANTA	6.3
KOKET	6.3
LONGFELLOW	6.3
MOLINDA	6.3
PROFORMER (JMB-89)	6.3
SHADOW W/ENDO. (PST-SHE)	6.3
TROPHY (ESTORIL)	6.3
BARGREEN	6.0
CAPITOL	6.0
ERG 1143	6.0
JAMESTOWN	6.0
RAINBOW	6.0
WILMA	6.0
DIGNITY (OFI 89-200)	5.7
EPSOM	5.7
FERNANDO (HF 112)	5.7
JAMESTOWN II	5.7
FST-4FE	5.7
FUMA	5.7
SHADOW	5.7
WALDORF	5.7
BANNER	5.3
BRIDGEPORT (N-105)	5.3
CAMARO	5.3
DOVER (NK 82492)	5.3
ENJOY	5.3
MARY	5.3
RAYMOND	5.3
SOUTHPORT	5.3
SR 5000	5.3
BARLANDER (BAR FR 9F)	5.0
BARNICA	5.0
SIMONE (LD 3485)	5.0
SCARLET	4.3
LSD VALUE	1.2

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

TABLE 7E. SUMMER DENSITY RATINGS OF HARD FESCUE CULTIVARS
1993 DATA

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

NAME	SK1
EUREKA	6.7
SILVANA	6.7
BARREPO	6.3
RELIANT-NO ENDOPHYTE	6.3
SR 3000	6.3
VALDA	6.3
ATTILA	6.0
BARDUR (BAR FO 9A2)	6.0
AURORA	5.7
BILJART	5.7
EST-4AG	5.7
SCALDIS	5.7
SERRA	5.7
AURORA W/ENDO. (PST-AUE)	5.3
BRIGADE (MELODY)	5.3
DISCOVERY (PST-4HD)	5.3
RELIANT-W/ ENDOPHYTE	5.3
SR 3100 (SRX 89-31)	5.3
LSD VALUE	1.0

TABLE 7F. SUMMER DENSITY RATINGS OF SHEEP FESCUE CULTIVARS
1993 DATA

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

NAME	SK1
BIGHORN	5.3
MX 86	5.3
LSD VALUE	1.5

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

TABLE 8A.

FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

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

NAME	SK1
CINDY	7.7
NAPOLI (LD 3488)	7.3
TIFFANY (PST-4CD)	7.3
HERALD	7.0
MARKER	7.0
SMIRNA (ZW 42-160)	7.0
TROPHY (ESTORIL)	7.0
BARDUR (BAR FO 9A2)	6.7
DAWSON	6.7
EUREKA	6.7
JASPER	6.7
LONGFELLOW	6.7
RELIANT-NO ENDOPHYTE	6.7
SHADOW W/ENDO. (PST-SHE)	6.7
VALDA	6.7
WALDORF	6.7
ATLANTA	6.3
BARREPO	6.3
BILJART	6.3
COLLO (LD 3414)	6.3
DISCOVERY (PST-4HD)	6.3
ERG 1143	6.3
HF 138	6.3
KOKET	6.3
PROFORMER (JMB-89)	6.3
PST-4NI	6.3
PST-4R3	6.3
REVERE (NK 88001)	6.3
SALEM	6.3
SEABREEZE (FRT-30149)	6.3
SILVANA	6.3
VISTA	6.3
ATTILA	6.0
AURORA	6.0
BARGENA II (BAR FR8RC3)	6.0
BARGREEN	6.0
BARSKOL (BAR FR 9P)	6.0
BELVEDERE	6.0
BIGHORN	6.0
CAPITOL	6.0
CLAUDIA	6.0
COMFORT (HF 102)	6.0
DIGNITY (OFI 89-200)	6.0
EPSOM	6.0
FLYER	6.0
JAMESTOWN II	6.0
MARY	6.0

FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	SK1
MOLINDA	6.0
PST-4AG	6.0
RAYMOND	6.0
SCARLET	6.0
SERRA	6.0
SIMONE (LD 3485)	6.0
SR 3000	6.0
WILMA	6.0
AURORA W/ENDO. (PST-AUE)	5.7
BANNER	5.7
BARCROWN	5.7
BARGENA	5.7
BARLOTTE	5.7
ENJOY	5.7
ENSYLVA	5.7
FERNANDO (HF 112)	5.7
FRANKLIN	5.7
JAMESTOWN	5.7
PST-43F	5.7
PST-4C8	5.7
PUMA	5.7
RAINBOW	5.7
RELIANT-W/ ENDOPHYTE	5.7
SHADEMASTER	5.7
WW RS 143	5.7
BOREAL	5.3
BRIDGEPORT (N-105)	5.3
CAMARO	5.3
ELANOR	5.3
SCALDIS	5.3
SHADOW	5.3
SOUTHPORT	5.3
SR 3100 (SRX 89-31)	5.3
SR 5000	5.3
SUNSET (ZW 42-158)	5.3
TALUS (LD 3438)	5.3
WW RS 138	5.3
BARLANDER (BAR FR 9F)	5.0
BRIGADE (MELODY)	5.0
DOVER (NK 82492)	5.0
SYLVESTER	5.0
BARNICA	4.7
MX 86	4.7
PST-4FE	4.7
SYLVIA (WW RS 130)	4.7
LSD VALUE	1.4

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

TABLE 8B. FALL DENSITY RATINGS OF CREEPING RED FESCUE CULTIVARS
1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	SK1
CINDY	7.7
HERALD	7.0
JASPER	6.7
COLLO (LD 3414)	6.3
FST-4NI	6.3
FST-4R3	6.3
REVERE (NK 88001)	6.3
SALEM	6.3
VISTA	6.3
BARGENA II (BAR FR8RC3)	6.0
BELVEDERE	6.0
CLAUDIA	6.0
FLYER	6.0
BARGENA	5.7
ENSYLVA	5.7
FRANKLIN	5.7
FST-43F	5.7
FST-4C8	5.7
SHADEMASTER	5.7
WW RS 143	5.7
BOREAL	5.3
ELANOR	5.3
SUNSET (ZW 42-158)	5.3
TALUS (LD 3438)	5.3
WW RS 138	5.3
SYLVESTER	5.0
SYLVIA (WW RS 130)	4.7
LSD VALUE	1.3

TABLE 8C. FALL DENSITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	SK1
NAPOLI (LD 3488)	7.3
MARKER	7.0
SMIRNA (ZW 42-160)	7.0
DAWSON	6.7
HF 138	6.3
SEABREEZE (FRT-30149)	6.3
BARSKOL (BAR FR 9P)	6.0
COMFORT (HF 102)	6.0
BARCROWN	5.7
BARLOTTE	5.7
LSD VALUE	0.9

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).

TABLE 8D. FALL DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS
1993 DATA

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

NAME	SK1
TIFFANY (PST-4CD)	7.3
TROPHY (ESTORIL)	7.0
LONGFELLOW	6.7
SHADOW W/ENDO. (PST-SHE)	6.7
WALDORF	6.7
ATLANTA	6.3
ERG 1143	6.3
KOKET	6.3
PROFORMER (JMB-89)	6.3
BARGREEN	6.0
CAPITOL	6.0
DIGNITY (OFI 89-200)	6.0
EPSOM	6.0
JAMESTOWN II	6.0
MARY	6.0
MOLINDA	6.0
RAYMOND	6.0
SCARLET	6.0
SIMONE (LD 3485)	6.0
WILMA	6.0
BANNER	5.7
ENJOY	5.7
FERNANDO (HF 112)	5.7
JAMESTOWN	5.7
HUMA	5.7
RAINBOW	5.7
BRIDGEPORT (N-105)	5.3
CAMARO	5.3
SHADOW	5.3
SOUTHPORT	5.3
SR 5000	5.3
BARLANDER (BAR FR 9F)	5.0
DOVER (NK 82492)	5.0
BARNICA	4.7
PST-4FE	4.7
LSD VALUE	1.6

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

TABLE 8E. FALL DENSITY RATINGS OF HARD FESCUE CULTIVARS
1993 DATA

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

NAME	SK1
EARDUR (BAR FO 9A2)	6.7
EUREKA	6.7
RELIANT-NO ENDOPHYTE	6.7
VALDA	6.7
BARREPPPO	6.3
BILJART	6.3
DISCOVERY (PST-4HD)	6.3
SILVANA	6.3
ATTILA	6.0
AURORA	6.0
EST-4AG	6.0
SERRA	6.0
SR 3000	6.0
AURORA W/ENDO. (PST-AUE)	5.7
RELIANT-W/ ENDOPHYTE	5.7
SCALDIS	5.3
SR 3100 (SRX 89-31)	5.3
ERIGADE (MELODY)	5.0
LSD VALUE	1.3

TABLE 8F. FALL DENSITY RATINGS OF SHEEP FESCUE CULTIVARS
1993 DATA

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

NAME	SK1
BIGHORN	6.0
MX 86	4.7
LSD VALUE	1.3

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

TABLE 9A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/								
NAME	NJ1	NJ3	MEAN	NAME	NJ1	NJ3	MEAN	
DISCOVERY (PST-4HD)	89.7	97.0	93.3	HF 138	33.3	28.3	30.8	
SR 3100 (SRX 89-31)	85.7	96.0	90.8	EST-4NI	26.7	35.0	30.8	
WARWICK	85.0	96.3	90.7	HERALD	26.7	34.0	30.3	
SOUTHPORT	81.7	97.0	89.3	ELANOR	18.3	40.0	29.2	
SHADOW W/ENDO. (PST-SHE)	81.0	95.0	88.0	SYLVESTER	21.7	36.0	28.8	
BRIDGEPORT (N-105)	80.0	93.3	86.7	WW RS 138	11.0	46.0	28.5	
SR 5000	77.3	96.0	86.7	TALUS (LD 3438)	25.0	31.7	28.3	
PROFORMER (JMB-89)	78.3	90.7	84.5	AURORA	36.7	18.3	27.5	
TIFFANY (PST-4CD)	75.0	93.0	84.0	BARLOTTE	30.0	25.0	27.5	
RELIANT-W/ ENDOPHYTE	80.7	84.3	82.5	JASPER	26.7	28.3	27.5	
PST-4R3	73.3	90.7	82.0	BARGENA	36.7	17.7	27.2	
SERRA	66.7	81.7	74.2	BARREPPPO	35.0	18.3	26.7	
MX 86	68.3	80.0	74.2	SMIRNA (ZW 42-160)	36.7	16.3	26.5	
SCALDIS	66.7	75.0	70.8	AURORA W/ENDO. (PST-AUE)	40.0	12.7	26.3	
SHADEMASTER	63.3	77.3	70.3	RAINBOW	35.0	17.0	26.0	
JAMESTOWN II	79.0	61.0	70.0	BARGREEN	26.7	24.0	25.3	
DIGNITY (OFI 89-200)	50.0	73.3	61.7	SUNSET (ZW 42-158)	31.7	19.0	25.3	
VISTA	45.0	63.3	54.2	FLYER	33.3	15.7	24.5	
EPSOM	63.3	44.0	53.7	SYLVIA (WW RS 130)	21.7	25.7	23.7	
VALDA	56.7	50.7	53.7	EST-4C8	21.7	25.0	23.3	
LONGFELLOW	43.3	63.3	53.3	ENJOY	19.3	26.7	23.0	
WALDORF	48.3	48.3	48.3	CINDY	15.0	30.0	22.5	
BRIGADE (MELODY)	61.7	34.0	47.8	CLAUDIA	25.0	19.3	22.2	
BANNER	46.7	48.3	47.5	FUMA	33.3	10.3	21.8	
BARSKOL (BAR FR 9P)	25.0	65.0	45.0	RAYMOND	31.7	10.0	20.8	
COLLO (LD 3414)	33.3	56.7	45.0	DAWSON	28.3	12.0	20.2	
SALEM	40.0	48.3	44.2	BARLANDER (BAR FR 9F)	27.3	12.0	19.7	
SILVANA	58.3	30.0	44.2	COMFORT (HF 102)	23.3	15.7	19.5	
SEABREEZE (FRT-30149)	36.7	50.0	43.3	CAMARO	23.3	14.3	18.8	
SR 3000	65.0	21.3	43.2	ATLANTA	21.7	15.7	18.7	
89.LKR	45.0	35.7	40.3	MARY	21.7	15.0	18.3	
RELIANT-NO ENDOPHYTE	67.3	9.3	38.3	WILMA	18.3	18.0	18.2	
BARCROWN	30.0	45.7	37.8	FRANKLIN	20.0	15.7	17.8	
PST-43F	53.3	21.0	37.2	CAPITOL	28.3	7.0	17.7	
BIGHORN	46.7	25.7	36.2	BILJART	26.7	8.0	17.3	
TROPHY (ESTORIL)	48.3	22.0	35.2	ERG 1143	18.3	15.7	17.0	
ENSYLVA	23.3	46.7	35.0	SCARLET	28.3	4.7	16.5	
NAPOLI (LD 3488)	20.0	50.0	35.0	MOLINDA	20.0	11.3	15.7	
REVERE (NK 88001)	36.7	33.3	35.0	SIMONE (LD 3485)	15.0	16.3	15.7	
BELVEDERE	30.0	36.7	33.3	FERNANDO (HF 112)	16.7	13.3	15.0	
MARKER	10.0	56.7	33.3	WW RS 143	16.7	12.0	14.3	
PST-4FE	48.3	17.0	32.7	ATTILA	23.3	5.3	14.3	
BARGENA II (BAR FR8RC3)	35.0	30.0	32.5	BOREAL	11.7	15.3	13.5	
JAMESTOWN	36.7	28.3	32.5	KOKET	15.0	8.3	11.7	
SHADOW	35.0	29.0	32.0	BARNICA	13.3	6.3	9.8	
DOVER (NK 82492)	20.0	43.3	31.7	BARDUR (BAR FO 9A2)	8.3	5.3	6.8	
EUREKA	51.7	11.3	31.5					
PST-4AG	53.3	8.7	31.0	LSD VALUE	27.9	25.5	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).

TABLE 9B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CREEPING RED FESCUE CULTIVARS
1993 DATA
PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	NJ1	NJ3	MEAN
PST-4R3	73.3	90.7	82.0
SHADEMASTER	63.3	77.3	70.3
VISTA	45.0	63.3	54.2
COLLO (LD 3414)	33.3	56.7	45.0
SALEM	40.0	48.3	44.2
PST-43F	53.3	21.0	37.2
ENSYLVA	23.3	46.7	35.0
REVERE (NK 88001)	36.7	33.3	35.0
BELVEDERE	30.0	36.7	33.3
BARGENA II (BAR FR8RC3)	35.0	30.0	32.5
PST-4NI	26.7	35.0	30.8
HERALD	26.7	34.0	30.3
ELANOR	18.3	40.0	29.2
SYLVESTER	21.7	36.0	28.8
WW RS 138	11.0	46.0	28.5
TALUS (LD 3438)	25.0	31.7	28.3
JASPER	26.7	28.3	27.5
BARGENA	36.7	17.7	27.2
SUNSET (ZW 42-158)	31.7	19.0	25.3
FLYER	33.3	15.7	24.5
SYLVIA (WW RS 130)	21.7	25.7	23.7
PST-4C8	21.7	25.0	23.3
CINDY	15.0	30.0	22.5
CLAUDIA	25.0	19.3	22.2
FRANKLIN	20.0	15.7	17.8
WW RS 143	16.7	12.0	14.3
BOREAL	11.7	15.3	13.5
LSD VALUE	25.0	27.8	18.7

TABLE 9C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1993 DATA
PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	NJ1	NJ3	MEAN
BARSKOL (BAR FR 9P)	25.0	65.0	45.0
SEABREEZE (FRT-30149)	36.7	50.0	43.3
BARCROWN	30.0	45.7	37.8
NAPOLI (LD 3488)	20.0	50.0	35.0
MARKER	10.0	56.7	33.3
HF 138	33.3	28.3	30.8
BARLOTTE	30.0	25.0	27.5
SMIRNA (ZW 42-160)	36.7	16.3	26.5
DAWSON	28.3	12.0	20.2
COMFORT (HF 102)	23.3	15.7	19.5
LSD VALUE	35.7	32.5	24.1

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

TABLE 9D. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/			
NAME	NJ1	NJ3	MEAN
SOUTHPORT	81.7	97.0	89.3
SHADOW W/ENDO. (PST-SHE)	81.0	95.0	88.0
BRIDGEPORT (N-105)	80.0	93.3	86.7
SR 5000	77.3	96.0	86.7
PROFORMER (JMB-89)	78.3	90.7	84.5
TIFFANY (PST-4CD)	75.0	93.0	84.0
JAMESTOWN II	79.0	61.0	70.0
DIGNITY (OFI 89-200)	50.0	73.3	61.7
EPSOM	63.3	44.0	53.7
LONGFELLOW	43.3	63.3	53.3
WALDORF	48.3	48.3	48.3
BANNER	46.7	48.3	47.5
89.LKR	45.0	35.7	40.3
TROPHY (ESTORIL)	48.3	22.0	35.2
PST-4FE	48.3	17.0	32.7
JAMESTOWN	36.7	28.3	32.5
SHADOW	35.0	29.0	32.0
DOVER (NK 82492)	20.0	43.3	31.7
RAINBOW	35.0	17.0	26.0
BARGREEN	26.7	24.0	25.3
ENJOY	19.3	26.7	23.0
PUMA	33.3	10.3	21.8
RAYMOND	31.7	10.0	20.8
BARLANDER (BAR FR 9F)	27.3	12.0	19.7
CAMARO	23.3	14.3	18.8
ATLANTA	21.7	15.7	18.7
MARY	21.7	15.0	18.3
WILMA	18.3	18.0	18.2
CAPITOL	28.3	7.0	17.7
ERG 1143	18.3	15.7	17.0
SCARLET	28.3	4.7	16.5
MOLINDA	20.0	11.3	15.7
SIMONE (LD 3485)	15.0	16.3	15.7
FERNANDO (HF 112)	16.7	13.3	15.0
KOKET	15.0	8.3	11.7
BARNICA	13.3	6.3	9.8
LSD VALUE	22.9	25.0	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).

TABLE 9E. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD FESCUE CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/			
NAME	NJ1	NJ3	MEAN
DISCOVERY (PST-4HD)	89.7	97.0	93.3
SR 3100 (SRX 89-31)	85.7	96.0	90.8
WARWICK	85.0	96.3	90.7
RELIANT-W/ ENDOPHYTE	80.7	84.3	82.5
SERRA	66.7	81.7	74.2
SCALDIS	66.7	75.0	70.8
VALDA	56.7	50.7	53.7
BRIGADE (MELODY)	61.7	34.0	47.8
SILVANA	58.3	30.0	44.2
SR 3000	65.0	21.3	43.2
RELIANT-NO ENDOPHYTE	67.3	9.3	38.3
EUREKA	51.7	11.3	31.5
PST-4AG	53.3	8.7	31.0
AURORA	36.7	18.3	27.5
BARREPPPO	35.0	18.3	26.7
AURORA W/ENDO. (PST-AUE)	40.0	12.7	26.3
BILJART	26.7	8.0	17.3
ATTILA	23.3	5.3	14.3
BARDUR (BAR FO 9A2)	8.3	5.3	6.8
LSD VALUE	35.0	18.8	19.8

TABLE 9F. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SHEEP FESCUE CULTIVARS
1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/			
NAME	NJ1	NJ3	MEAN
MX 86	68.3	80.0	74.2
BIGHORN	46.7	25.7	36.2
LSD VALUE	28.2	14.9	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).

TABLE 10A.

DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

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

NAME	PA1
FRANKLIN	9.0
BARDUR (BAR FO 9A2)	8.7
BRIDGEPORT (N-105)	8.7
CAPITOL	8.7
DISCOVERY (PST-4HD)	8.7
LONGFELLOW	8.7
PST-4AG	8.7
PST-4NI	8.7
RAYMOND	8.7
RELIANT-NO ENDOPHYTE	8.7
RELIANT-W/ ENDOPHYTE	8.7
SCALDIS	8.7
SEABREEZE (FRT-30149)	8.7
SERRA	8.7
89.LKR	8.3
AURORA	8.3
AURORA W/ENDO. (PST-AUE)	8.3
BANNER	8.3
BARGREEN	8.3
BELVEDEFE	8.3
DOVER (NK 82492)	8.3
ENSYLVA	8.3
EUREKA	8.3
JAMESTOWN	8.3
KOKET	8.3
SCARLET	8.3
SR 3000	8.3
SR 5000	8.3
TIFFANY (PST-4CD)	8.3
TROPHY (ESTORIL)	8.3
VALDA	8.3
WILMA	8.3
ATLANTA	8.0
ATTILA	8.0
BARGENA	8.0
BARGENA II (BAR FR8RC3)	8.0
BARLANDER (BAR FR 9F)	8.0
BARNICA	8.0
BARREPO	8.0
BIGHORN	8.0
BILJART	8.0
BRIGADE (MELODY)	8.0
CAMARO	8.0
ELANOR	8.0
ENJOY	8.0
EPSOM	8.0
FERNANDO (HF 112)	8.0
FLYER	8.0

DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE

NAME	PA1
JAMESTOWN II	8.0
MARY	8.0
MOLINDA	8.0
MX 86	8.0
PST-4FE	8.0
PUMA	8.0
RAINBOW	8.0
REVERE (NK 88001)	8.0
SHADOW	8.0
SHADOW W/ENDO. (PST-SHE)	8.0
SILVANA	8.0
SOUTHPORT	8.0
SR 3100 (SRX 89-31)	8.0
SYLVESTER	8.0
BARCROWN	7.7
CLAUDIA	7.7
DIGNITY (OFI 89-200)	7.7
ERG 1143	7.7
PST-43F	7.7
PST-4R3	7.7
SALEM	7.7
SIMONE (LD 3485)	7.7
SUNSET (ZW 42-158)	7.7
WALDORF	7.7
COLLO (LD 3414)	7.3
COMFORT (HF 102)	7.3
HERALD	7.3
HF 138	7.3
JASPER	7.3
PROFORMER (JMB-89)	7.3
TALUS (LD 3438)	7.3
WW RS 143	7.3
BARLOTTE	7.0
BOREAL	7.0
CINDY	7.0
SYLVIA (WW RS 130)	7.0
VISTA	7.0
BARSKOL (BAR FR 9F)	6.7
NAPOLI (LD 3488)	6.7
SHADEMASTER	6.3
PST-4C8	5.7
WW RS 138	5.7
DAWSON	5.0
MARKER	3.7
SMIRNA (ZW 42-160)	3.0
LSD VALUE	1.1

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

TABLE 10B. DOLLAR SPOT RATINGS OF CREEPING RED FESCUE CULTIVARS
1993 DATA
DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 1/

NAME	PA1
FRANKLIN	9.0
EST-4NI	8.7
EELVEDERE	8.3
ENSYLVA	8.3
BARGENA	8.0
BARGENA II (BAR FR8RC3)	8.0
ELANOR	8.0
FLYER	8.0
REVERE (NK 88001)	8.0
SYLVESTER	8.0
CLAUDIA	7.7
EST-43F	7.7
EST-4R3	7.7
SALEM	7.7
SUNSET (ZW 42-158)	7.7
COLLO (LD 3414)	7.3
HERALD	7.3
JASPER	7.3
TALUS (LD 3438)	7.3
WW RS 143	7.3
BOREAL	7.0
CINDY	7.0
SYLVIA (WW RS 130)	7.0
VISTA	7.0
SHADEMASTER	6.3
EST-4C8	5.7
WW RS 138	5.7
LSD VALUE	1.4

TABLE 10C. DOLLAR SPOT RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1993 DATA
DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 1/

NAME	PA1
SEABREEZE (FRT-30149)	8.7
BARCROWN	7.7
COMFORT (HF 102)	7.3
HF 138	7.3
BARLOTTE	7.0
BARSKOL (BAR FR 9P)	6.7
NAPOLI (LD 3488)	6.7
DAWSON	5.0
MARKER	3.7
SMIRNA (ZW 42-160)	3.0
LSD VALUE	1.9

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).

TABLE 10D.

DOLLAR SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS
1993 DATA

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

NAME	PA1
BRIDGEPORT (N-105)	8.7
CAPITOL	8.7
LONGFELLOW	8.7
RAYMOND	8.7
89.LKR	8.3
BANNER	8.3
BARGREEN	8.3
DOVER (NK 82492)	8.3
JAMESTOWN	8.3
KOKET	8.3
SCARLET	8.3
SR 5000	8.3
TIFFANY (PST-4CD)	8.3
TROPHY (ESTORIL)	8.3
WILMA	8.3
ATLANTA	8.0
BARLANDER (BAR FR 9F)	8.0
BARNICA	8.0
CAMARO	8.0
ENJOY	8.0
EPSOM	8.0
FERNANDO (HF 112)	8.0
JAMESTOWN II	8.0
MARY	8.0
MOLINDA	8.0
EST-4FE	8.0
FUMA	8.0
RAINBOW	8.0
SHADOW	8.0
SHADOW W/ENDO. (PST-SHE)	8.0
SOUTHPORT	8.0
DIGNITY (OFI 89-200)	7.7
ERG 1143	7.7
SIMONE (LD 3485)	7.7
WALDORF	7.7
PROFORMER (JMB-89)	7.3
LSD VALUE	0.7

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

TABLE 10E. DOLLAR SPOT RATINGS OF HARD FESCUE CULTIVARS
1993 DATA

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

NAME	PA1
EARDUR (BAR FO 9A2)	8.7
DISCOVERY (PST-4HD)	8.7
EST-4AG	8.7
RELIANT-NO ENDOPHYTE	8.7
RELIANT-W/ ENDOPHYTE	8.7
SCALDIS	8.7
SERRA	8.7
AURORA	8.3
AURORA W/ENDO. (PST-AUE)	8.3
EUREKA	8.3
SR 3000	8.3
VALDA	8.3
ATTILA	8.0
BARREPPPO	8.0
BILJART	8.0
BRIGADE (MELODY)	8.0
SILVANA	8.0
SR 3100 (SRX 89-31)	8.0
LSD VALUE	0.8

TABLE 10F. DOLLAR SPOT RATINGS OF SHEEP FESCUE CULTIVARS
1993 DATA

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

NAME	PA1
BIGHORN	8
MX 86	8
LSD VALUE	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).

TABLE 11A.

RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

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

NAME	NJ1
SCALDIS	9.0
AURORA W/ENDO. (PST-AUE)	8.7
BIGHORN	8.7
SILVANA	8.7
SR 3100 (SRX 89-31)	8.7
RELIANT-W/ ENDOPHYTE	8.3
BRIGADE (MELODY)	8.0
DISCOVERY (PST-4HD)	8.0
EUREKA	8.0
MX 86	8.0
PST-4AG	8.0
RELIANT-NO ENDOPHYTE	8.0
SERRA	8.0
SR 3000	8.0
WALDORF	8.0
WARWICK	8.0
ATTILA	7.7
BARDUR (BAR FO 9A2)	7.7
BARNICA	7.7
BILJART	7.7
VALDA	7.7
BARCROWN	7.3
DAWSON	7.3
KOKET	7.3
AURORA	7.0
BARGREEN	7.0
BARREPPO	7.0
COMFORT (HF 102)	7.0
WW RS 138	7.0
BARSKOL (BAR FR 9P)	6.7
PST-4NI	6.7
RAYMOND	6.7
SMIRNA (ZW 42-160)	6.7
SUNSET (ZW 42-158)	6.7
CAMARO	6.3
FERNANDO (HF 112)	6.3
MARKER	6.3
REVERE (NK 88001)	6.3
WILMA	6.3
DOVER (NK 82492)	6.0
ENSYLVA	6.0
ERG 1143	6.0
MOLINDA	6.0
PST-4C8	6.0
SR 5000	6.0
SYLVESTER	6.0
BARLOTTE	5.7
CINDY	5.7

RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS
1993 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	NJ1
CLAUDIA	5.7
FLYER	5.7
HF 138	5.7
LONGFELLOW	5.7
MARY	5.7
PROFORMER (JMB-89)	5.7
PST-43F	5.7
SEABREEZE (FRT-30149)	5.7
SHADOW W/ENDO. (EST-SHE)	5.7
TALUS (LD 3438)	5.7
VISTA	5.7
BARGENA II (BAR FR8RC3)	5.3
BARLANDER (BAR FR 9F)	5.3
CAPITOL	5.3
FRANKLIN	5.3
JASPER	5.3
PST-4FE	5.3
PUMA	5.3
RAINBOW	5.3
SHADEMASTER	5.3
SOUTHPORT	5.3
BOREAL	5.0
BRIDGEPORT (N-105)	5.0
NAPOLI (LD 3488)	5.0
SCARLET	5.0
SHADOW	5.0
SIMONE (LD 3485)	5.0
SYLVIA (WW RS 130)	5.0
TROPHY (ESTORIL)	5.0
WW RS 143	5.0
89.LKR	4.7
BARGENA	4.7
JAMESTOWN	4.7
JAMESTOWN II	4.7
SALEM	4.7
BANNER	4.3
BELVEDERE	4.3
COLLO (LD 3414)	4.3
ENJOY	4.3
TIFFANY (PST-4CD)	4.3
DIGNITY (OFI 89-200)	4.0
ELANOR	4.0
HERALD	4.0
ATLANTA	3.7
EPSOM	3.3
PST-4R3	3.3
LSD VALUE	2.3

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

TABLE 11B. RED THREAD RATINGS OF CREEPING RED FESCUE CULTIVARS
1993 DATA
RED THREAD RATINGS 1-9; 9=NO DISEASE 1/

NAME	NJ1
WW RS 138	7.0
EST-4NI	6.7
SUNSET (ZW 42-158)	6.7
REVERE (NK 88001)	6.3
ENSYLVA	6.0
EST-4C8	6.0
SYLVESTER	6.0
CINDY	5.7
CLAUDIA	5.7
FLYER	5.7
EST-43F	5.7
TALUS (LD 3438)	5.7
VISTA	5.7
BARGENA II (BAR FR8RC3)	5.3
FRANKLIN	5.3
JASPER	5.3
SHADEMASTER	5.3
BOREAL	5.0
SYLVIA (WW RS 130)	5.0
WW RS 143	5.0
BARGENA	4.7
SALEM	4.7
BELVEDERE	4.3
COLLO (LD 3414)	4.3
ELANOR	4.0
HERALD	4.0
EST-4R3	3.3
LSD VALUE	2.2

TABLE 11C. RED THREAD RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1993 DATA
RED THREAD RATINGS 1-9; 9=NO DISEASE 1/

NAME	NJ1
BARCROWN	7.3
DAWSON	7.3
COMFORT (HF 102)	7.0
BARSKOL (BAR FR 9P)	6.7
SMIRNA (ZW 42-160)	6.7
MARKER	6.3
BARLOTTE	5.7
HF 138	5.7
SEABREEZE (FRT-30149)	5.7
NAPOLI (LD 3488)	5.0
LSD VALUE	2.1

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

TABLE 11D. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS
1993 DATA

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

NAME	NJ1
WALDORF	8.0
BARNICA	7.7
KOKET	7.3
BARGREEN	7.0
RAYMOND	6.7
CAMARO	6.3
FERNANDO (HF 112)	6.3
WILMA	6.3
DOVER (NK 82492)	6.0
ERG 1143	6.0
MOLINDA	6.0
SR 5000	6.0
LONGFELLOW	5.7
MARY	5.7
PROFORMER (JMB-89)	5.7
SHADOW W/ENDO. (PST-SHE)	5.7
BARLANDER (BAR FR 9F)	5.3
CAPITOL	5.3
FST-4FE	5.3
FUMA	5.3
RAINBOW	5.3
SOUTHPORT	5.3
BRIDGEPORT (N-105)	5.0
SCARLET	5.0
SHADOW	5.0
SIMONE (LD 3485)	5.0
TROPHY (ESTORIL)	5.0
89.LKR	4.7
JAMESTOWN	4.7
JAMESTOWN II	4.7
BANNER	4.3
ENJOY	4.3
TIFFANY (PST-4CD)	4.3
DIGNITY (OFI 89-200)	4.0
ATLANTA	3.7
EPSOM	3.3
LSD VALUE	2.7

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

TABLE 11E. RED THREAD RATINGS OF HARD FESCUE CULTIVARS
1993 DATA

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

NAME	NJ1
SCALDIS	9.0
AURORA W/ENDO. (PST-AUE)	8.7
SILVANA	8.7
SR 3100 (SRX 89-31)	8.7
RELIANT-W/ ENDOPHYTE	8.3
BRIGADE (MELODY)	8.0
DISCOVERY (PST-4HD)	8.0
EUREKA	8.0
EST-4AG	8.0
RELIANT-NO ENDOPHYTE	8.0
SERRA	8.0
SR 3000	8.0
WARWICK	8.0
ATTILA	7.7
BARDUR (BAR FO 9A2)	7.7
BILJART	7.7
VALDA	7.7
AURORA	7.0
BARREPPPO	7.0
LSD VALUE	1.4

TABLE 11F. RED THREAD RATINGS OF SHEEP FESCUE CULTIVARS
1993 DATA

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

NAME	NJ1
BIGHORN	8.7
MX 86	8.0
LSD VALUE	0.7

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