

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

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CONTENTS

1989 National Fineleaf Fescue Test - 1990-93 data

LOCATIONS SUBMITTING DATA FOR 1990-93.....1

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

Table A - 1990-93 Locations, Site Descriptions and Management
Practices in the 1989 National Fineleaf Fescue Test.....3

Table B - Locations and Data Collected in 1990-93.....4

Table 1A - Mean Turfgrass Quality Ratings of Fineleaf Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....7

Table 1B - Mean Turfgrass Quality Ratings of Creeping Red Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....9

Table 1C - Mean Turfgrass Quality Ratings of Slender Creeping Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....9

Table 1D - Mean Turfgrass Quality Ratings of Chewings Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....10

Table 1E - Mean Turfgrass Quality Ratings of Hard Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....11

Table 1F - Mean Turfgrass Quality Ratings of Sheep Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....11

Table 2A - Mean Turfgrass Quality Ratings of Fineleaf Fescue Cultivars
for Each Month Grown at Twenty-Three Locations in the U.S.
and Canada.....12

Table 2B - Mean Turfgrass Quality Ratings of Creeping Red Fescue Cultivars
for Each Month Grown at Twenty-Three Locations in the U.S.
and Canada.....14

Table 2C - Mean Turfgrass Quality Ratings of Slender Creeping Fescue
Cultivars for Each Month Grown at Twenty-Three Locations in the
U.S. and Canada.....14

Table 2D - Mean Turfgrass Quality Ratings of Chewings Fescue Cultivars
for Each Month Grown at Twenty-Three Locations in the U.S.
and Canada.....15

Table 2E - Mean Turfgrass Quality Ratings of Hard Fescue Cultivars
for Each Month Grown at Twenty-Three Locations in the U.S.
and Canada.....16

Table 2F - Mean Turfgrass Quality Ratings of Sheep Fescue Cultivars
for Each Month Grown at Twenty-Three Locations in the U.S.
and Canada.....16

Table 3A - Ranking of Mean Turfgrass Quality Ratings of Fineleaf Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....17

Table 3B - Ranking of Mean Turfgrass Quality Ratings of Creeping Red Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....19

Table 3C - Ranking of Mean Turfgrass Quality Ratings of Slender Creeping
Fescue Cultivars at Twenty-Three Locations in the U.S. and Canada..19

Table 3D - Ranking of Mean Turfgrass Quality Ratings of Chewings Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....20

Table 3E - Ranking of Mean Turfgrass Quality Ratings of Hard Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....21

Table 3F - Ranking of Mean Turfgrass Quality Ratings of Sheep Fescue
Cultivars at Twenty-Three Locations in the U.S. and Canada.....21

CONTENTS (Continued)

Table 4A - Mean Turfgrass Quality Ratings of Fineleaf Fescue Cultivars for Each Year in the U.S. and Canada.....	22
Table 4B - Mean Turfgrass Quality Ratings of Creeping Red Fescue Cultivars for Each Year in the U.S. and Canada.....	23
Table 4C - Mean Turfgrass Quality Ratings of Slender Creeping Fescue Cultivars for Each Year in the U.S. and Canada.....	23
Table 4D - Mean Turfgrass Quality Ratings of Chewings Fescue Cultivars for Each Year in the U.S. and Canada.....	24
Table 4E - Mean Turfgrass Quality Ratings of Hard Fescue Cultivars for Each Year in the U.S. and Canada.....	25
Table 4F - Mean Turfgrass Quality Ratings of Sheep Fescue Cultivars for Each Year in the U.S. and Canada.....	25
Table 5A - Ranking of Mean Turfgrass Quality Ratings of Fineleaf Fescue Cultivars For Each Year in the U.S. and Canada.....	26
Table 5B - Ranking of Mean Turfgrass Quality Ratings of Creeping Red Fescue Cultivars For Each Year in the U.S. and Canada.....	27
Table 5C - Ranking of Mean Turfgrass Quality Ratings of Slender Creeping Fescue Cultivars For Each Year in the U.S. and Canada.....	27
Table 5D - Ranking of Mean Turfgrass Quality Ratings of Chewings Fescue Cultivars For Each Year in the U.S. and Canada.....	28
Table 5E - Ranking of Mean Turfgrass Quality Ratings of Hard Fescue Cultivars For Each Year in the U.S. and Canada.....	29
Table 5F - Ranking of Mean Turfgrass Quality Ratings of Sheep Fescue Cultivars For Each Year in the U.S. and Canada.....	29
Table 6A - Genetic Color Ratings of Fineleaf Fescue Cultivars.....	30
Table 6B - Genetic Color Ratings of Creeping Red Fescue Cultivars.....	32
Table 6C - Genetic Color Ratings of Slender Creeping Fescue Cultivars.....	32
Table 6D - Genetic Color Ratings of Chewings Fescue Cultivars.....	33
Table 6E - Genetic Color Ratings of Hard Fescue Cultivars.....	34
Table 6F - Genetic Color Ratings of Sheep Fescue Cultivars.....	34
Table 7A - Spring Greenup Ratings of Fineleaf Fescue Cultivars.....	35
Table 7B - Spring Greenup Ratings of Creeping Red Fescue Cultivars.....	36
Table 7C - Spring Greenup Ratings of Slender Creeping Fescue Cultivars.....	36
Table 7D - Spring Greenup Ratings of Chewings Fescue Cultivars.....	37
Table 7E - Spring Greenup Ratings of Hard Fescue Cultivars.....	38
Table 7F - Spring Greenup Ratings of Sheep Fescue Cultivars.....	38
Table 8A - Leaf Texture Ratings of Fineleaf Fescue Cultivars.....	39
Table 8B - Leaf Texture Ratings of Creeping Red Fescue Cultivars.....	40
Table 8C - Leaf Texture Ratings of Slender Creeping Fescue Cultivars.....	40
Table 8D - Leaf Texture Ratings of Chewings Fescue Cultivars.....	41
Table 8E - Leaf Texture Ratings of Hard Fescue Cultivars.....	42
Table 8F - Leaf Texture Ratings of Sheep Fescue Cultivars.....	42
Table 9A - Seedling Vigor Ratings of Fineleaf Fescue Cultivars.....	43
Table 9B - Seedling Vigor Ratings of Creeping Red Fescue Cultivars.....	45
Table 9C - Seedling Vigor Ratings of Slender Creeping Fescue Cultivars.....	45
Table 9D - Seedling Vigor Ratings of Chewings Fescue Cultivars.....	46
Table 9E - Seedling Vigor Ratings of Hard Fescue Cultivars.....	47
Table 9F - Seedling Vigor Ratings of Sheep Fescue Cultivars.....	47
Table 10A- Spring Density Ratings of Fineleaf Fescue Cultivars.....	48
Table 10B- Spring Density Ratings of Creeping Red Fescue Cultivars.....	49
Table 10C- Spring Density Ratings of Slender Creeping Fescue Cultivars.....	49
Table 10D- Spring Density Ratings of Chewings Fescue Cultivars.....	50

CONTENTS (Continued)

Table 10E-	Spring Density Ratings of Hard Fescue Cultivars.....	51
Table 10F-	Spring Density Ratings of Sheep Fescue Cultivars.....	51
Table 11A-	Summer Density Ratings of Fineleaf Fescue Cultivars.....	52
Table 11B-	Summer Density Ratings of Creeping Red Fescue Cultivars.....	53
Table 11C-	Summer Density Ratings of Slender Creeping Fescue Cultivars.....	53
Table 11D-	Summer Density Ratings of Chewings Fescue Cultivars.....	54
Table 11E-	Summer Density Ratings of Hard Fescue Cultivars.....	55
Table 11F-	Summer Density Ratings of Sheep Fescue Cultivars.....	55
Table 12A-	Fall Density Ratings of Fineleaf Fescue Cultivars.....	56
Table 12B-	Fall Density Ratings of Creeping Red Fescue Cultivars.....	57
Table 12C-	Fall Density Ratings of Slender Creeping Fescue Cultivars.....	57
Table 12D-	Fall Density Ratings of Chewings Fescue Cultivars.....	58
Table 12E-	Fall Density Ratings of Hard Fescue Cultivars.....	59
Table 12F-	Fall Density Ratings of Sheep Fescue Cultivars.....	59
Table 13A-	Percent Living Ground Cover (Spring) Ratings of Fineleaf Fescue Cultivars.....	60
Table 13B-	Percent Living Ground Cover (Spring) Ratings of Creeping Red Fescue Cultivars.....	61
Table 13C-	Percent Living Ground Cover (Spring) Ratings of Slender Creeping Fescue Cultivars.....	61
Table 13D-	Percent Living Ground Cover (Spring) Ratings of Chewings Fescue Cultivars.....	62
Table 13E-	Percent Living Ground Cover (Spring) Ratings of Hard Fescue Cultivars.....	63
Table 13F-	Percent Living Ground Cover (Spring) Ratings of Sheep Fescue Cultivars.....	63
Table 14A-	Percent Living Ground Cover (Summer) Ratings of Fineleaf Fescue Cultivars.....	64
Table 14B-	Percent Living Ground Cover (Summer) Ratings of Creeping Red Fescue Cultivars.....	65
Table 14C-	Percent Living Ground Cover (Summer) Ratings of Slender Creeping Fescue Cultivars.....	65
Table 14D-	Percent Living Ground Cover (Summer) Ratings of Chewings Fescue Cultivars.....	66
Table 14E-	Percent Living Ground Cover (Summer) Ratings of Hard Fescue Cultivars.....	67
Table 14F-	Percent Living Ground Cover (Summer) Ratings of Sheep Fescue Cultivars.....	67
Table 15A-	Percent Living Ground Cover (Fall) Ratings of Fineleaf Fescue Cultivars.....	68
Table 15B-	Percent Living Ground Cover (Fall) Ratings of Creeping Red Fescue Cultivars.....	69
Table 15C-	Percent Living Ground Cover (Fall) Ratings of Slender Creeping Fescue Cultivars.....	69
Table 15D-	Percent Living Ground Cover (Fall) Ratings of Chewings Fescue Cultivars.....	70
Table 15E-	Percent Living Ground Cover (Fall) Ratings of Hard Fescue Cultivars.....	71
Table 15F-	Percent Living Ground Cover (Fall) Ratings of Sheep Fescue Cultivars.....	71
Table 16A-	Winter Color Ratings of Fineleaf Fescue Cultivars.....	72

CONTENTS (Continued)

Table 16B-	Winter Color Ratings of Creeping Red Fescue Cultivars.....	73
Table 16C-	Winter Color Ratings of Slender Creeping Fescue Cultivars.....	73
Table 16D-	Winter Color Ratings of Chewings Fescue Cultivars.....	74
Table 16E-	Winter Color Ratings of Hard Fescue Cultivars.....	75
Table 16F-	Winter Color Ratings of Sheep Fescue Cultivars.....	75
Table 17A-	Winter Kill Ratings of Fineleaf Fescue Cultivars.....	76
Table 17B-	Winter Kill Ratings of Creeping Red Fescue Cultivars.....	77
Table 17C-	Winter Kill Ratings of Slender Creeping Fescue Cultivars.....	77
Table 17D-	Winter Kill Ratings of Chewings Fescue Cultivars.....	78
Table 17E-	Winter Kill Ratings of Hard Fescue Cultivars.....	79
Table 17F-	Winter Kill Ratings of Sheep Fescue Cultivars.....	79
Table 18A-	Drought Tolerance (Dormancy) Ratings of Fineleaf Fescue Cultivars..	80
Table 18B-	Drought Tolerance (Dormancy) Ratings of Creeping Red Fescue Cultivars.....	81
Table 18C-	Drought Tolerance (Dormancy) Ratings of Slender Creeping Fescue Cultivars.....	81
Table 18D-	Drought Tolerance (Dormancy) Ratings of Chewings Fescue Cultivars..	82
Table 18E-	Drought Tolerance (Dormancy) Ratings of Hard Fescue Cultivars.....	83
Table 18F-	Drought Tolerance (Dormancy) Ratings of Sheep Fescue Cultivars.....	83
Table 19A-	Leaf Spot Ratings of Fineleaf Fescue Cultivars.....	84
Table 19B-	Leaf Spot Ratings of Creeping Red Fescue Cultivars.....	85
Table 19C-	Leaf Spot Ratings of Slender Creeping Fescue Cultivars.....	85
Table 19D-	Leaf Spot Ratings of Chewings Fescue Cultivars.....	86
Table 19E-	Leaf Spot Ratings of Hard Fescue Cultivars.....	87
Table 19F-	Leaf Spot Ratings of Sheep Fescue Cultivars.....	87
Table 20A-	Dollar Spot Ratings of Fineleaf Fescue Cultivars.....	88
Table 20B-	Dollar Spot Ratings of Creeping Red Fescue Cultivars.....	89
Table 20C-	Dollar Spot Ratings of Slender Creeping Fescue Cultivars.....	89
Table 20D-	Dollar Spot Ratings of Chewings Fescue Cultivars.....	90
Table 20E-	Dollar Spot Ratings of Hard Fescue Cultivars.....	91
Table 20F-	Dollar Spot Ratings of Sheep Fescue Cultivars.....	91
Table 21A-	Red Thread Ratings of Fineleaf Fescue Cultivars.....	92
Table 21B-	Red Thread Ratings of Creeping Red Fescue Cultivars.....	93
Table 21C-	Red Thread Ratings of Slender Creeping Fescue Cultivars.....	93
Table 21D-	Red Thread Ratings of Chewings Fescue Cultivars.....	94
Table 21E-	Red Thread Ratings of Hard Fescue Cultivars.....	95
Table 21F-	Red Thread Ratings of Sheep Fescue Cultivars.....	95
Table 22A-	Summer Patch Ratings of Fineleaf Fescue Cultivars.....	96
Table 22B-	Summer Patch Ratings of Creeping Red Fescue Cultivars.....	97
Table 22C-	Summer Patch Ratings of Slender Creeping Fescue Cultivars.....	97
Table 22D-	Summer Patch Ratings of Chewings Fescue Cultivars.....	98
Table 22E-	Summer Patch Ratings of Hard Fescue Cultivars.....	99
Table 22F-	Summer Patch Ratings of Sheep Fescue Cultivars.....	99
Table 23A-	Anthracnose Ratings of Fineleaf Fescue Cultivars.....	100
Table 23B-	Anthracnose Ratings of Creeping Red Fescue Cultivars.....	101
Table 23C-	Anthracnose Ratings of Slender Creeping Fescue Cultivars.....	101
Table 23D-	Anthracnose Ratings of Chewings Fescue Cultivars.....	102
Table 23E-	Anthracnose Ratings of Hard Fescue Cultivars.....	103
Table 23F-	Anthracnose Ratings of Sheep Fescue Cultivars.....	103
Table 24A-	Pink Patch Ratings of Fineleaf Fescue Cultivars.....	104
Table 24B-	Pink Patch Ratings of Creeping Red Fescue Cultivars.....	105

CONTENTS (Continued)

Table 24C-	Pink Patch Ratings of Slender Creeping Fescue Cultivars.....	105
Table 24D-	Pink Patch Ratings of Chewings Fescue Cultivars.....	106
Table 24E-	Pink Patch Ratings of Hard Fescue Cultivars.....	107
Table 24F-	Pink Patch Ratings of Sheep Fescue Cultivars.....	107
Table 25A-	Canopy Height Measurements Ratings of Fineleaf Fescue Cultivars...	108
Table 25B-	Canopy Height Measurements Ratings of Creeping Red Fescue Cultivars.....	109
Table 25C-	Canopy Height Measurements Ratings of Slender Creeping Fescue Cultivars.....	109
Table 25D-	Canopy Height Measurements Ratings of Chewings Fescue Cultivars...	110
Table 25E-	Canopy Height Measurements Ratings of Hard Fescue Cultivars.....	111
Table 25F-	Canopy Height Measurements Ratings of Sheep Fescue Cultivars.....	111
Table 26A-	Mowing Ratings of Fineleaf Fescue Cultivars.....	112
Table 26B-	Mowing Ratings of Creeping Red Fescue Cultivars.....	113
Table 26C-	Mowing Ratings of Slender Creeping Fescue Cultivars.....	113
Table 26D-	Mowing Ratings of Chewings Fescue Cultivars.....	114
Table 26E-	Mowing Ratings of Hard Fescue Cultivars.....	115
Table 26F-	Mowing Ratings of Sheep Fescue Cultivars.....	115

LOCATIONS SUBMITTING DATA FOR 1990-93

<u>State</u>	<u>Location</u>	<u>Code</u>
Alabama	Auburn	AL1
Idaho	Post Falls	ID2
Illinois	Carbondale	IL1
Illinois	Carbondale	IL2
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kentucky	Lexington	KY1
Maryland	Beltsville	UB1
Maryland	Silver Spring	MD1
Michigan	East Lansing	MI1
Minnesota	Minneapolis	MN1
Nebraska	Lincoln	NE1
New Jersey	North Brunswick	NJ1
New Jersey	North Brunswick (low maintenance)	NJ2
New Jersey	Adelphia	NJ3
Ohio	Marysville	OH2
Oregon	Hubbard (dense shade)	OR2
Oregon	Summary of data collected at Halsey, Hubbard, Corvallis, Tangent	OR9
Pennsylvania	University Park	PA1
Pennsylvania	University Park (mowed 4-6x per 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.

1990-1993 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1989 NATIONAL FINELEAF PESCUE TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
AL1	SANDY LOAM	4.6-5.5	61-150	0-150	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
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
ID2	SILT LOAM AND SILT	4.6-5.5	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
IL1	SILTY CLAY AND CLAY	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
IL2	SILTY CLAY AND CLAY	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	6.6-7.0	61-150	241-375	0.0-1.0	FULL SUN	3.6-4.0	NO IRRIGATION
KY1	SILT LOAM AND SILT	6.1-6.5	271-450	241-375	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	PARTIAL SHADE	2.6-3.0	ONLY DURING SEVERE STRESS
MI1	SANDY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MN1	SILT LOAM AND SILT	5.6-6.0	-	-	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
NE1	SANDY CLAY LOAM	6.6-7.0	0-60	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ1	LOAM	6.1-6.5	151-270	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	LOAM	6.1-6.5	151-270	151-240	0.0-1.0	FULL SUN	1.6-2.0	NO IRRIGATION
NJ3	LOAM	4.6-5.5	151-270	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OH2	SILTY CLAY LOAM	-	-	-	2.1-3.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
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	-	-	-	-	-	FULL SUN	-	-
PA1	SILT LOAM AND SILT	6.6-7.0	61-150	0-150	1.1-2.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE 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	271-450	151-240	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
SK1	SANDY CLAY	7.1-7.5	-	-	3.1-4.0	FULL SUN	1.6-2.0	NO IRRIGATION
UB1	LOAM	6.1-6.5	271-450	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 1990-1993

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING
AL1	X	X	X	X	X	X	X	X	X	X	X	X
IA1					X	X	X	X	X	X		
ID2				X	X	X	X		X	X		X
IL1				X	X	X	X	X	X			
IL2			X	X	X	X	X	X	X	X		
IN1				X	X	X	X	X	X			
KY1			X	X	X	X	X	X	X	X		
MD1				X	X	X	X	X	X	X	X	X
MI1					X	X	X	X	X	X		
MN1								X				
NE1					X	X	X	X	X			
NJ1				X	X	X	X	X	X	X	X	X
NJ2				X	X	X	X	X	X	X	X	X
NJ3			X	X	X	X	X	X	X	X	X	
OH2					X	X	X			X		
OR2			X	X	X	X	X	X	X	X	X	X
OR9	X	X	X	X	X	X	X	X	X	X	X	X
PA1					X	X	X	X	X			
PA2					X	X	X	X		X		X
RI1				X	X	X	X	X	X	X	X	
SK1					X	X	X	X	X	X		
UB1				X	X	X	X	X	X	X	X	
WA1				X	X	X	X	X	X	X		

TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1990-1993

LOCATION	GENETIC COLOR RATING	SPRING GREENUP RATING	LEAF TEXTURE RATING	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	WINTER KILL
AL1	X											
IA1												
ID2	X	X	X	X	X	X	X	X	X	X	X	X
IL1												
IL2				X								
IN1												
KY1												
MD1				X								
MI1												
MN1				X								
NE1	X											
NJ1	X								X			
NJ2	X											
NJ3									X	X		
OH2	X				X							
OR2												
OR9	X		X	X	X	X					X	
PA1	X	X		X	X		X					
PA2	X	X						X	X			
RI1		X										
SK1				X	X	X	X					
UB1		X						X	X	X		
WA1												

TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1990-1993

LOCATION	DROUGHT TOLERANCE DORMANCY	LEAF SPOT	DOLLAR SPOT	RED THREAD	SUMMER PATCH	ANTHRACNOSE	PINK PATCH	CANOPY HEIGHT	MOWING
AL1									
IA1									
ID2				X					
IL1									
IL2									
IN1									
KY1									
MD1									
MI1									
MN1		X							
NE1									
NJ1		X	X	X	X				
NJ2			X	X					
NJ3			X	X					
OH2		X		X			X		
OR2									
OR9	X					X			
PA1	X		X						X
PA2								X	
RI1				X					
SK1									
UB1		X							
WA1									

TABLE 1A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																							
	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
* WARWICK	.	6.6	.	.	.	.	6.1	5.3	.	.	.	6.7	6.5	6.3	.	5.6	5.6	.	.	4.5	.	6.1	6.3	6.0
* SR 3100 (SRX 89-31)	5.8	7.0	5.4	3.9	5.6	5.6	5.4	5.6	5.0	5.7	6.6	6.9	6.3	7.3	6.3	5.3	5.2	5.9	5.6	4.9	5.1	6.8	6.5	5.8
* DISCOVERY (PST-4HD)	5.5	6.6	4.9	3.3	4.7	5.7	6.4	5.2	5.0	5.3	6.3	7.0	6.6	6.9	5.9	6.6	5.8	6.8	5.7	5.1	4.4	6.5	6.2	5.8
* SOUTHPORT	5.8	7.2	6.4	4.2	6.0	5.1	6.5	4.5	5.9	6.0	6.5	6.0	5.0	5.5	6.2	5.9	6.1	5.4	4.2	5.8	4.6	5.6	6.4	5.7
* BRIDGEPORT (N-105)	5.8	7.3	6.6	4.6	6.2	5.0	6.6	5.1	5.5	6.0	5.7	5.9	4.9	5.5	6.0	5.5	5.9	5.6	4.4	5.5	5.2	5.9	6.1	5.7
* TIFFANY (PST-4CD)	6.0	7.2	6.5	3.8	5.4	5.0	6.9	5.0	6.0	6.3	5.9	6.0	4.7	5.4	6.0	5.4	6.3	5.6	4.4	5.7	5.3	5.5	6.0	5.7
89.LKR	.	7.4	.	.	.	5.7	6.0	5.3	.	.	5.4	5.3	5.0	5.1	.	5.8	6.2	6.4	4.2	5.4	.	4.8	6.5	5.6
* LONGFELLOW	5.8	7.1	6.8	4.1	6.3	5.1	5.7	5.2	5.4	6.3	5.9	5.7	4.5	5.4	5.8	5.0	6.0	5.6	4.4	5.5	5.2	5.9	6.4	5.6
* JAMESTOWN II	5.7	7.2	6.7	4.6	5.8	5.0	6.4	5.2	5.7	6.3	5.7	5.5	5.0	5.1	5.7	5.2	5.7	5.3	4.5	5.4	4.9	5.9	6.1	5.6
* PROFORMER (JMB-89)	6.0	6.9	5.9	4.8	5.4	5.1	6.3	5.1	5.8	6.3	6.2	5.4	4.5	5.2	5.5	5.7	5.9	5.3	4.3	5.4	5.1	5.7	6.1	5.6
* SR 5000	6.0	7.1	7.2	4.3	5.8	5.1	6.3	5.0	5.4	4.3	5.8	6.0	5.0	5.3	5.9	5.3	5.9	5.3	4.3	5.5	4.9	6.0	5.8	5.5
* SR 3000	5.3	6.5	6.3	3.3	5.1	5.5	5.4	5.4	4.5	5.0	5.6	6.0	6.2	5.1	6.4	4.7	5.5	6.6	5.6	4.7	5.0	6.5	6.6	5.5
* RELIANT-W/ ENDOHYTE	5.2	6.4	5.7	3.5	4.8	5.6	5.8	5.2	5.2	5.3	4.8	6.5	6.5	6.2	5.9	5.4	5.3	6.6	5.5	4.5	4.4	5.7	6.2	5.5
* SHADOW W/ENDO. (PST-SHE)	5.6	7.2	6.6	4.5	5.4	5.0	6.6	4.1	5.4	6.0	5.5	5.5	4.7	5.3	5.2	5.6	5.9	5.2	4.3	5.7	4.8	5.7	6.1	5.5
* BRIGADE (MELODY)	5.1	6.6	5.5	3.8	5.3	5.6	5.8	5.1	4.8	5.3	4.5	6.3	6.2	5.5	6.3	5.5	4.7	6.9	5.4	4.7	4.5	6.4	5.9	5.5
* AURORA W/ENDO. (PST-AUE)	5.1	6.4	5.8	3.1	4.5	5.5	5.9	5.1	5.1	5.7	5.3	6.1	6.4	5.4	6.5	5.9	5.3	6.2	5.4	4.7	4.4	5.7	6.1	5.5
* AURORA	5.2	6.4	5.3	3.0	5.1	5.1	6.1	5.2	4.9	5.7	5.0	5.6	6.1	5.4	6.3	5.5	5.5	6.7	5.7	4.4	4.7	6.1	6.3	5.4
* DIGNITY (OFI 89-200)	5.7	7.1	6.8	3.4	4.9	5.0	5.7	4.3	5.4	6.0	5.9	5.7	4.7	5.0	5.4	5.5	5.9	5.3	4.2	5.9	5.0	5.2	6.4	5.4
PST-4AG	5.1	6.4	5.6	3.2	4.8	5.6	5.9	5.0	4.7	5.3	5.8	5.4	6.8	4.8	5.9	5.1	5.5	6.7	5.5	4.7	4.5	6.0	5.8	5.4
* RELIANT-NO ENDOHYTE	5.3	6.4	6.3	3.3	4.6	5.5	6.1	4.8	5.0	5.0	5.7	6.3	6.1	4.8	6.2	4.5	5.3	6.4	5.3	4.5	4.9	5.4	6.2	5.4
PST-4FE	5.9	7.1	6.6	3.9	4.9	5.1	6.1	4.7	5.5	5.3	6.0	5.3	4.2	4.8	5.7	5.1	6.3	5.4	4.2	5.6	4.7	4.5	6.3	5.4
* BILJART	4.9	6.5	5.7	2.8	5.2	5.4	5.0	5.6	5.2	5.0	5.5	5.1	6.0	4.9	5.9	5.0	5.2	6.4	5.5	4.5	4.8	6.0	6.3	5.3
* EUREKA	5.3	6.2	6.1	3.6	4.5	5.4	5.5	4.6	4.9	4.7	5.1	5.6	6.0	4.6	6.3	4.5	4.7	6.4	5.4	4.9	4.9	6.1	6.4	5.3
* SILVANA	5.0	6.2	5.9	3.5	4.6	5.5	5.0	5.4	4.9	5.0	4.6	5.5	6.0	5.2	5.9	4.7	5.1	6.3	5.4	4.8	4.8	6.1	6.1	5.3
* ATTLA	5.0	7.0	5.9	2.9	4.3	5.4	4.7	4.9	4.8	5.3	5.4	5.1	5.9	5.3	5.7	4.9	5.2	6.7	5.3	4.9	4.8	5.8	6.7	5.3
* SERRA	5.0	6.1	6.2	2.2	3.5	5.6	5.5	5.1	4.6	5.3	6.7	5.6	6.2	5.4	5.9	4.7	4.7	6.5	5.3	4.5	4.7	6.4	5.9	5.3
* VALDA	4.6	5.9	5.9	3.3	4.6	5.2	3.9	4.9	5.5	4.7	4.8	5.7	6.2	5.7	5.7	5.5	5.2	6.6	5.3	5.1	5.0	5.9	6.5	5.3
* BARGREEN	5.3	7.3	6.5	3.2	4.8	4.5	3.8	4.4	4.8	6.7	6.4	5.0	5.0	4.7	5.1	5.5	6.1	6.0	4.7	5.5	5.2	4.2	6.3	5.3
EPSOM	5.4	7.4	6.5	3.2	5.7	4.7	3.5	5.0	5.3	5.7	6.2	4.7	4.4	4.4	4.6	6.0	5.7	5.2	.	5.5	4.7	5.0	6.2	5.2
* SCALDIS	4.7	6.1	5.2	2.4	3.1	5.5	5.1	5.5	4.8	6.0	5.1	5.8	6.4	5.6	5.8	4.9	5.2	6.4	5.2	4.2	4.7	6.2	6.2	5.2
* BANNER	5.2	6.9	6.2	3.9	5.7	4.7	4.7	5.2	5.5	6.0	5.6	5.1	4.3	4.5	5.3	4.8	5.6	4.7	4.2	5.4	4.8	4.6	6.1	5.2
* SEABREEZE (FRT-30149)	4.0	7.1	7.0	3.1	4.9	4.3	3.9	4.9	5.0	6.7	5.9	4.7	4.1	3.9	5.0	6.3	6.1	6.1	4.3	5.4	5.6	4.1	6.3	5.2
* TROPHY (ESTORIL)	5.1	6.7	7.0	3.4	5.1	4.4	4.0	4.8	5.5	6.0	5.3	4.9	5.1	4.3	4.9	4.9	6.2	6.0	4.3	5.4	5.2	3.8	6.0	5.1
* BARDUR (BAR FO 9A2)	5.1	6.6	5.7	2.3	3.5	5.6	5.3	5.0	5.3	5.0	4.5	4.8	5.9	4.6	5.9	4.7	5.3	6.3	5.6	4.3	4.5	5.5	6.2	5.1
PST-43F	4.3	7.4	5.8	3.1	5.3	4.6	5.7	5.3	5.4	4.3	5.6	5.5	3.9	4.2	5.2	5.9	6.0	5.3	3.9	5.3	5.1	4.2	6.1	5.1
* BIGHORN	5.5	6.1	4.9	3.0	4.4	5.5	5.5	5.0	4.8	5.0	5.0	5.7	5.6	5.0	6.3	5.1	4.9	5.9	5.4	4.1	4.5	5.3	4.6	5.1
* ENJOY	5.1	7.0	6.7	3.8	5.5	4.4	4.1	4.6	5.2	6.0	5.7	4.2	4.4	4.0	4.6	5.5	5.9	5.6	4.2	5.9	4.6	3.7	6.6	5.1
* WALDORF	5.0	6.7	6.6	3.4	4.3	4.9	4.0	4.9	5.1	5.7	5.7	5.0	4.3	4.5	5.0	4.9	5.6	5.5	4.8	5.1	5.1	5.1	6.0	5.1
PST-4R3	4.4	7.2	5.5	4.2	5.8	4.7	6.0	4.5	5.2	3.7	5.5	5.6	4.6	5.2	5.2	5.2	5.8	4.9	3.6	4.7	4.8	4.7	5.8	5.1
* JAMESTOWN	5.0	6.7	5.9	3.8	5.3	4.8	4.7	5.1	5.3	6.3	5.1	4.5	4.6	4.3	5.7	4.7	5.5	4.6	4.4	5.2	5.0	4.4	5.6	5.1
* MARY	4.8	7.0	6.6	3.7	4.9	4.6	4.4	4.7	5.0	5.7	5.7	4.2	4.4	4.4	5.1	5.6	5.8	5.4	4.3	5.5	4.6	3.3	6.3	5.0
* JASPER	4.3	7.0	6.4	3.4	5.4	4.4	4.7	4.6	5.5	4.0	6.2	4.5	3.8	4.4	5.3	5.9	5.8	5.2	3.9	5.1	5.3	4.4	6.0	5.0
* ATLANTA	4.9	7.1	6.1	3.6	5.3	4.7	4.1	4.6	5.3	6.0	5.1	4.4	4.3	3.8	5.0	5.5	5.4	5.6	4.0	5.5	4.7	4.4	6.0	5.0
PST-4C8	4.6	7.1	6.3	3.4	5.6	4.5	5.2	4.7	5.5	4.7	5.5	4.4	4.0	4.4	4.6	6.0	6.1	4.9	4.0	4.8	4.8	4.1	5.9	5.0
* SALEM	4.5	6.7	6.0	3.3	5.5	4.7	6.2	5.1	5.7	3.7	5.4	4.5	4.1	4.1	5.1	5.7	5.6	4.8	3.9	4.8	5.0	4.3	6.1	5.0
RAINBOW	4.8	7.0	5.9	3.6	5.0	4.7	3.5	4.8	5.3	5.3	6.5	4.0	4.2	4.0	4.9	5.3	5.7	5.7	4.5	5.2	5.0	3.3	6.3	5.0
* SCARLET	4.5	7.1	6.1	3.5	5.3	4.8	4.1	4.6	5.3	5.7	5.6	4.0	4.2	3.9	4.5	5.5	5.8	5.4	4.3	5.7	4.8	3.5	6.2	5.0
* CINDY	4.1	7.2	5.6	3.6	5.3	4.5	4.3	4.8	5.7	5.3	5.7	4.0	3.8	4.0	4.5	6.1	6.0	4.9	4.2	5.3	5.8	3.7	6.3	5.0
* MOLINDA	4.6	7.0	6.4	3.7	5.0	4.7	4.3	4.8	5.1	5.7	4.9	4.8	4.3	4.0	4.8	6.0	5.6	5.3	4.3	5.2	4.6	3.2	6.1	5.0

TABLE 1A. (CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
* SHADOW	5.0	6.8	6.0	3.5	5.0	4.3	4.9	5.0	5.6	5.0	5.0	4.9	4.1	4.5	4.8	4.9	5.6	5.1	4.4	5.3	4.5	4.4	5.8	5.0
* HERALD	4.2	7.2	6.3	3.6	5.7	4.5	4.5	5.0	5.8	4.7	5.4	4.3	3.7	3.8	4.5	6.0	5.5	5.1	4.2	5.1	5.2	4.0	5.8	4.9
HF 138	4.0	6.9	6.1	3.3	5.3	4.1	4.9	5.2	5.5	5.0	6.4	4.2	3.9	4.0	4.3	5.3	5.9	5.1	3.9	4.8	5.3	3.8	6.2	4.9
* SMIRNA (ZW 42-160)	3.9	7.1	6.7	2.8	5.0	4.5	2.9	5.5	5.0	5.0	6.2	3.9	3.5	3.2	5.0	5.7	6.2	5.7	4.8	5.3	4.5	6.1	4.9	4.9
* BARCROWN	3.5	7.3	5.9	2.7	4.1	4.0	3.7	4.4	5.1	5.0	6.2	4.5	3.6	4.1	4.2	6.8	6.2	6.3	4.6	5.3	5.0	4.2	6.4	4.9
* NAPOLI (LD 3488)	3.6	7.1	5.9	3.0	5.0	4.1	3.6	5.0	5.3	5.3	5.8	4.0	4.4	3.9	4.6	6.6	5.8	5.6	4.1	5.2	5.0	3.6	6.5	4.9
* MARKER	3.7	6.5	6.1	2.9	4.2	4.5	3.2	4.8	5.3	5.7	6.6	3.6	3.5	4.0	4.5	6.3	6.4	5.9	4.5	4.7	5.4	4.0	6.5	4.9
* WILMA	5.4	6.8	6.1	3.4	4.9	5.0	4.3	4.4	5.5	5.7	5.4	3.7	3.9	4.1	5.0	4.4	5.6	5.0	4.2	5.3	4.8	3.9	6.1	4.9
* VISTA	4.4	6.8	5.0	4.0	5.4	4.7	5.8	4.6	5.1	4.3	5.3	4.8	4.0	3.8	5.2	5.9	5.4	4.6	3.9	4.6	4.7	4.3	5.9	4.9
* DOVER (NK 82492)	4.8	6.9	6.3	3.3	4.4	4.7	2.6	4.8	5.0	6.3	6.3	4.0	4.0	4.6	5.3	4.8	5.2	4.9	4.3	5.4	4.6	4.1	6.0	4.9
PST-4NI	4.0	7.0	4.9	3.7	5.5	4.4	5.8	4.6	5.6	4.0	5.4	4.5	4.1	3.8	5.3	5.4	5.5	5.2	3.7	5.0	4.6	4.3	6.0	4.9
* BARLANDER (BAR FR 9F)	4.6	6.9	6.5	3.1	4.7	4.0	4.5	5.0	4.2	5.0	6.6	4.6	3.9	4.0	4.3	4.8	6.2	5.5	4.9	5.0	4.5	3.3	6.1	4.9
* CAMARO	4.6	6.9	6.4	3.4	4.8	4.2	3.7	4.4	5.1	6.0	5.0	4.5	4.6	4.2	5.2	5.2	5.4	5.1	4.0	5.4	4.6	3.3	5.9	4.9
ERG 1143	4.8	6.6	6.1	3.2	4.8	4.8	3.6	5.2	4.3	6.7	5.4	4.0	4.2	4.2	4.6	5.1	5.3	5.1	4.6	5.4	4.6	3.5	5.9	4.9
* SHADEMASTER	3.9	6.7	5.9	3.5	5.4	4.5	5.5	5.0	4.7	5.0	5.3	4.8	3.7	4.0	5.2	5.6	5.5	4.6	4.1	4.5	4.6	4.6	5.5	4.9
* RAYMOND	4.9	6.6	6.3	3.4	4.0	4.7	3.5	4.4	4.8	6.3	5.0	4.2	4.7	4.1	4.7	4.9	5.8	5.2	4.2	5.5	4.7	3.6	6.1	4.9
FERNANDO (HF 112)	5.0	7.1	6.4	3.0	4.3	4.3	3.5	4.8	5.3	5.0	5.5	3.8	4.9	4.0	4.3	4.7	6.0	5.8	4.4	5.5	4.6	3.0	6.3	4.8
* PUMA	4.4	6.8	6.7	3.0	4.3	4.4	3.5	4.9	5.2	5.3	5.5	4.0	4.5	3.8	5.1	5.3	5.4	4.9	4.4	5.3	4.3	3.6	6.0	4.8
* FLYER	4.2	6.6	5.3	3.4	4.9	4.6	5.2	5.0	5.4	4.7	5.2	4.4	3.9	3.9	5.1	5.1	5.6	4.8	4.0	4.6	4.7	4.1	6.0	4.8
* CAPITOL	4.6	6.8	5.8	3.1	4.5	4.5	4.1	4.2	5.1	6.0	5.8	4.0	4.1	3.6	4.6	5.5	5.5	5.3	4.4	4.9	4.9	3.5	6.0	4.8
SIMONE (LD 3485)	4.8	7.1	6.6	3.0	4.4	4.4	3.5	4.9	5.1	5.3	5.7	3.9	5.1	3.6	4.2	5.0	5.3	5.1	4.3	5.2	5.1	3.0	5.7	4.8
* BARSKOL (BAR FR 9P)	3.1	7.1	6.3	2.7	4.1	4.6	3.3	4.8	5.0	5.7	6.0	3.9	3.8	4.0	4.2	5.4	6.2	5.4	4.5	4.8	5.3	3.5	6.0	4.8
* DAWSON	4.0	6.9	6.2	3.1	4.5	4.5	3.3	4.6	5.5	5.7	5.3	3.7	3.5	3.3	4.6	5.9	5.8	5.6	3.6	4.5	5.2	4.0	6.1	4.8
* KOKET	4.9	6.7	6.2	3.4	4.5	4.5	4.3	4.7	4.7	5.3	5.2	3.7	4.1	3.9	4.6	4.8	5.3	4.5	4.0	5.3	4.4	2.8	5.7	4.7
* MX 86	4.6	5.2	4.7	2.9	4.0	5.1	5.3	5.5	4.9	3.0	4.1	4.7	6.1	4.2	6.3	4.1	4.3	5.6	5.0	4.1	4.3	5.1	4.5	4.7
* BARREPPPO	4.5	5.4	5.3	2.3	4.5	5.1	4.6	4.5	4.7	4.0	5.5	3.9	5.5	4.3	5.4	3.9	5.1	5.1	4.1	3.5	4.4	5.1	5.7	4.6
* BARNICA	4.0	6.7	6.6	3.4	4.1	4.2	3.8	4.8	4.7	5.3	4.9	3.8	4.0	3.5	4.7	4.7	5.4	4.9	4.2	5.0	4.5	3.3	5.9	4.6
BELVEDERE	4.1	6.5	4.6	2.9	4.7	4.6	4.6	5.3	4.7	3.7	5.0	4.2	3.9	4.2	4.8	4.0	4.9	5.1	3.7	4.7	5.1	4.3	5.1	4.5
WW RS 138	3.6	6.5	5.5	2.6	4.3	4.0	4.9	5.1	4.9	3.7	5.5	3.9	4.2	3.5	4.1	5.4	5.5	4.8	3.8	4.4	5.1	3.7	5.6	4.5
* REVERE (NK 88001)	4.6	6.4	5.4	2.7	4.8	4.3	4.4	4.5	4.9	4.3	5.1	3.7	3.1	3.4	4.3	5.0	5.1	5.1	4.3	4.9	3.8	5.7	4.5	4.5
TALUS (LD 3438)	4.2	6.4	5.4	2.4	4.0	4.2	3.6	4.4	4.8	4.7	5.1	4.0	3.6	3.6	4.4	5.7	5.1	5.0	4.0	4.3	4.4	4.2	5.9	4.5
COMFORT (HF 102)	3.6	6.6	5.8	2.7	4.1	3.9	3.4	4.7	4.8	4.7	5.1	3.7	3.9	3.0	4.1	5.5	5.6	5.3	4.3	4.6	4.9	3.4	5.8	4.5
COLLO (LD 3414)	4.0	6.4	5.5	3.0	4.8	4.1	4.1	4.6	4.7	3.7	5.1	4.1	3.6	3.5	4.7	4.9	4.9	4.9	3.8	4.1	4.6	3.8	5.7	4.5
* CLAUDIA	4.0	6.3	5.6	2.8	4.4	3.9	4.9	4.6	5.2	4.0	5.3	3.3	3.4	3.6	4.7	4.5	5.2	4.2	3.9	4.5	4.5	3.3	5.4	4.4
* BARGENA II (BAR FR8RC3)	3.9	6.1	5.5	2.7	5.0	4.2	4.9	4.1	4.8	3.3	5.0	3.7	3.5	3.3	4.4	4.9	5.2	4.5	3.6	4.2	4.6	3.3	5.5	4.4
WW RS 143	3.2	6.5	5.9	2.6	4.8	4.0	4.3	4.2	5.3	3.0	4.8	3.8	3.6	3.1	4.3	4.5	5.3	4.7	3.7	4.0	4.9	3.6	5.5	4.3
* ENSYLVA	4.0	6.2	5.6	3.3	5.0	4.2	4.5	4.5	4.9	2.7	4.4	3.7	3.6	3.3	4.6	4.0	5.1	4.4	4.2	4.4	4.3	3.5	5.5	4.3
* SYLVIA (WW RS 130)	3.5	6.5	5.2	2.6	4.6	4.3	3.6	4.5	5.0	3.7	4.8	3.9	3.3	3.4	4.4	4.9	5.3	4.6	3.3	4.2	4.8	3.2	5.9	4.3
* BARLOTTE	2.9	6.9	5.5	2.4	3.9	4.0	2.7	4.3	4.7	5.0	4.8	3.8	3.3	3.1	3.7	4.9	5.4	5.3	4.0	4.2	5.6	3.1	5.3	4.3
* SUNSET (ZW 42-158)	3.6	6.4	5.6	2.8	4.7	4.3	4.3	4.3	5.0	2.7	4.8	3.7	3.0	3.2	4.4	4.9	5.0	4.7	3.9	4.2	4.8	3.4	5.3	4.3
* ELANOR	4.0	6.0	6.4	2.7	3.7	3.9	3.7	3.4	4.3	4.3	4.8	3.6	3.7	3.5	4.2	4.4	5.1	4.8	3.7	4.0	4.6	3.4	5.9	4.3
* BOREAL	3.7	6.4	5.6	2.7	4.3	4.0	4.8	4.5	5.0	3.0	4.3	3.3	3.2	3.2	4.4	4.9	4.9	4.3	3.5	4.3	4.5	3.2	5.6	4.3
* BARGENA	4.0	6.4	5.5	3.3	5.1	4.0	4.2	4.3	4.4	2.0	4.8	3.6	3.3	3.0	4.3	4.1	4.9	4.3	3.6	4.3	4.3	3.5	5.3	4.2
* SYLVESTER	3.8	5.9	5.4	2.5	3.9	4.3	3.7	4.3	5.0	5.0	4.6	2.9	3.1	3.3	4.3	4.7	5.1	4.2	3.2	3.7	4.6	2.9	5.6	4.2
FRANKLIN	3.6	6.4	5.2	2.3	3.8	4.1	4.6	4.8	5.0	3.0	4.9	3.1	3.5	3.1	4.5	4.8	4.5	4.2	3.4	3.6	4.4	2.8	5.7	4.1

LSD VALUE

0.6 0.5 1.3 0.9 1.1 1.1 1.0 0.7 0.7 1.3 0.9 0.6 0.7 0.8 1.5 0.7 0.4 0.5 0.6 0.9 0.7 1.0 0.4 0.2

* 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 TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/

NAME	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
PST-43F	4.3	7.4	5.8	3.1	5.3	4.6	5.7	5.3	5.4	4.3	5.6	5.5	3.9	4.2	5.2	5.9	6.0	5.3	3.9	5.3	5.1	4.2	6.1	5.1
PST-4R3	4.4	7.2	5.5	4.2	5.8	4.7	6.0	4.5	5.2	3.7	5.5	5.6	4.6	5.2	5.2	5.8	4.9	3.6	4.7	4.8	4.7	5.8	4.7	5.1
JASPER	4.3	7.0	6.4	3.4	5.4	4.4	4.7	4.6	5.5	4.0	6.2	4.5	3.8	4.4	5.3	5.9	5.8	5.2	3.9	5.1	5.3	4.4	6.0	5.0
PST-4C8	4.6	7.1	6.3	3.4	5.6	4.5	5.2	4.7	5.5	4.7	5.5	4.4	4.0	4.4	4.6	6.0	6.1	4.9	4.0	4.8	4.8	4.1	5.9	5.0
SALEM	4.5	6.7	6.0	3.3	5.5	4.7	6.2	5.1	5.7	3.7	5.4	4.5	4.1	4.1	5.1	5.7	5.6	4.8	3.9	4.8	5.0	4.3	6.1	5.0
CINDY	4.1	7.2	5.6	3.6	5.3	4.5	4.3	4.8	5.7	5.3	5.7	4.0	3.8	4.0	4.5	6.1	6.0	4.9	4.2	5.3	5.8	3.7	6.3	5.0
HERALD	4.2	7.2	6.3	3.6	5.7	4.5	4.5	5.0	5.8	4.7	5.4	4.3	3.7	3.8	4.5	6.0	5.5	5.1	4.2	5.1	5.2	4.0	5.8	4.9
VISTA	4.4	6.8	5.0	4.0	5.4	4.7	5.8	4.6	5.1	4.3	5.3	4.8	4.0	3.8	5.2	5.9	5.4	4.6	3.9	4.6	4.7	4.3	5.9	4.9
PST-4NI	4.0	7.0	4.9	3.7	5.5	4.4	5.8	4.6	5.6	4.0	5.4	4.5	4.1	3.8	5.3	5.4	5.5	5.2	3.7	5.0	4.6	4.3	6.0	4.9
SHADEMASTER	3.9	6.7	5.9	3.5	5.4	4.5	5.5	5.0	4.7	5.0	5.3	4.8	3.7	4.0	5.2	5.6	5.5	4.6	4.1	4.5	4.6	4.6	5.5	4.9
FLYER	4.2	6.6	5.3	3.4	4.9	4.6	5.2	5.0	5.4	4.7	5.2	4.4	3.9	3.9	5.1	5.1	5.6	4.8	4.0	4.6	4.7	4.1	6.0	4.8
BELVEDERE	4.1	6.5	4.6	2.9	4.7	4.6	4.6	5.3	4.7	3.7	5.0	4.2	3.9	4.2	4.8	4.0	4.9	5.1	3.7	4.7	5.1	4.3	5.1	4.5
WW RS 138	3.6	6.5	5.5	2.6	4.3	4.0	4.9	5.1	4.9	3.7	5.5	3.9	4.2	3.5	4.1	5.4	5.5	4.8	3.8	4.4	5.1	3.7	5.6	4.5
REVERE (NK 88001)	4.6	6.4	5.4	2.7	4.8	4.3	4.4	4.5	4.9	4.3	5.1	3.7	3.1	3.4	4.3	5.0	5.1	5.1	4.3	4.9	3.8	5.7	4.5	4.5
TALUS (LD 3438)	4.2	6.4	5.4	2.4	4.0	4.2	3.6	4.4	4.8	4.7	5.1	4.0	3.6	3.6	4.4	5.7	5.1	5.0	4.0	4.3	4.4	4.2	5.9	4.5
COLLO (LD 3414)	4.0	6.4	5.5	3.0	4.8	4.1	4.1	4.6	4.7	3.7	5.1	4.1	3.6	3.5	4.7	4.9	4.9	4.9	3.8	4.1	4.6	3.8	5.7	4.5
CLAUDIA	4.0	6.3	5.6	2.8	4.4	3.9	4.9	4.6	5.2	4.0	5.3	3.3	3.4	3.6	4.7	4.5	5.2	4.2	3.9	4.5	4.5	3.3	5.4	4.4
BARGENA II (BAR FR8RC3)	3.9	6.1	5.5	2.7	5.0	4.2	4.9	4.1	4.8	3.3	5.0	3.7	3.5	3.3	4.4	4.9	5.2	4.5	3.6	4.2	4.6	3.3	5.5	4.4
WW RS 143	3.2	6.5	5.9	2.6	4.8	4.0	4.3	4.2	5.3	3.0	4.8	3.8	3.6	3.1	4.3	4.5	5.3	4.7	3.7	4.0	4.9	3.6	5.5	4.3
ENSYLVA	4.0	6.2	5.6	3.3	5.0	4.2	4.5	4.5	4.9	2.7	4.4	3.7	3.6	3.3	4.6	4.0	5.1	4.4	4.2	4.4	4.3	3.5	5.5	4.3
SYLVIA (WW RS 130)	3.5	6.5	5.2	2.6	4.6	4.3	3.6	4.5	5.0	3.7	4.8	3.9	3.3	3.4	4.4	4.9	5.3	4.6	3.3	4.2	4.8	3.2	5.9	4.3
SUNSET (ZW 42-158)	3.6	6.4	5.6	2.8	4.7	4.3	4.3	4.3	5.0	2.7	4.8	3.7	3.0	3.2	4.4	4.9	5.0	4.7	3.9	4.2	4.8	3.4	5.3	4.3
ELANOR	4.0	6.0	6.4	2.7	3.7	3.9	3.7	3.4	4.3	4.3	4.8	3.6	3.7	3.5	4.2	4.4	5.1	4.8	3.7	4.0	4.6	3.4	5.9	4.3
BOREAL	3.7	6.4	5.6	2.7	4.3	4.0	4.8	4.5	5.0	3.0	4.3	3.3	3.2	3.2	4.4	4.9	4.9	4.3	3.5	4.3	4.5	3.2	5.6	4.3
BARGENA	4.0	6.4	5.5	3.3	5.1	4.0	4.2	4.3	4.4	2.0	4.8	3.6	3.3	3.0	4.3	4.1	4.9	4.3	3.6	4.3	4.3	3.5	5.3	4.2
SYLVESTER	3.8	5.9	5.4	2.5	3.9	4.3	3.7	4.3	5.0	5.0	4.6	2.9	3.1	3.3	4.3	4.7	5.1	4.2	3.2	3.7	4.6	2.9	5.6	4.2
FRANKLIN	3.6	6.4	5.2	2.3	3.8	4.1	4.6	4.8	5.0	3.0	4.9	3.1	3.5	3.1	4.5	4.8	4.5	4.2	3.4	3.6	4.4	2.8	5.7	4.1
LSD VALUE	0.6	0.4	1.5	0.8	0.9	1.2	0.8	0.7	0.7	1.4	0.6	0.5	0.6	0.7	1.4	0.7	0.4	0.5	0.5	0.9	0.7	0.8	0.4	0.2

TABLE 1C.

MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/

NAME	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
SEABREEZE (FRT-30149)	4.0	7.1	7.0	3.1	4.9	4.3	3.9	4.9	5.0	6.7	5.9	4.7	4.1	3.9	5.0	6.3	6.1	6.1	4.3	5.4	5.6	4.1	6.3	5.2
HF 138	4.0	6.9	6.1	3.3	5.3	4.1	4.9	5.2	5.5	5.0	6.4	4.2	3.9	4.0	4.3	5.3	5.9	5.1	3.9	4.8	5.3	3.8	6.2	4.9
SMIRNA (ZW 42-160)	3.9	7.1	6.7	2.8	5.0	4.5	2.9	5.5	5.0	5.0	6.2	3.9	3.5	3.2	5.0	5.7	6.2	5.7	4.8	5.3	4.5	6.1	4.9	4.9
BARCROWN	3.5	7.3	5.9	2.7	4.1	4.0	3.7	4.4	5.1	5.0	6.2	4.5	3.6	4.1	4.2	6.8	6.2	6.3	4.6	5.3	5.0	4.2	6.4	4.9
NAPOLI (LD 3488)	3.6	7.1	5.9	3.0	5.0	4.1	3.6	5.0	5.3	5.3	5.8	4.0	4.4	3.9	4.6	6.6	5.8	5.6	4.1	5.2	5.0	3.6	6.5	4.9
MARKER	3.7	6.5	6.1	2.9	4.2	4.5	3.2	4.8	5.3	5.7	6.6	3.6	3.5	4.0	4.5	6.3	6.4	5.9	4.5	4.7	5.4	4.0	6.5	4.9
BARSKOL (BAR FR 9P)	3.1	7.1	6.3	2.7	4.1	4.6	3.3	4.8	5.0	5.7	6.0	3.9	3.8	4.0	4.2	5.4	6.2	5.4	4.5	4.8	5.3	3.5	6.0	4.8
DAWSON	4.0	6.9	6.2	3.1	4.5	4.5	3.3	4.6	5.5	5.7	5.3	3.7	3.5	3.3	4.6	5.9	5.8	5.6	3.6	4.5	5.2	4.0	6.1	4.8
COMFORT (HF 102)	3.6	6.6	5.8	2.7	4.1	3.9	3.4	4.7	4.8	4.7	5.1	3.7	3.9	3.0	4.1	5.5	5.6	5.3	4.3	4.6	4.9	3.4	5.8	4.5
BARLOTTE	2.9	6.9	5.5	2.4	3.9	4.0	2.7	4.3	4.7	5.0	4.8	3.8	3.3	3.1	3.7	4.9	5.4	5.3	4.0	4.2	5.6	3.1	5.3	4.3
LSD VALUE	0.7	0.5	1.6	0.7	1.2	1.5	1.0	0.7	0.8	1.2	0.8	0.7	0.9	1.1	2.2	0.7	0.4	0.7	0.8	1.0	0.7	1.3	0.4	0.2

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

TABLE 1D.

MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																						MEAN	
	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1		WA1
SOUTHPORT	5.8	7.2	6.4	4.2	6.0	5.1	6.5	4.5	5.9	6.0	6.5	6.0	5.0	5.5	6.2	5.9	6.1	5.4	4.2	5.8	4.6	5.6	6.4	5.7
BRIDGEPORT (N-105)	5.8	7.3	6.6	4.6	6.2	5.0	6.6	5.1	5.5	6.0	5.7	5.9	4.9	5.5	6.0	5.5	5.9	5.6	4.4	5.5	5.2	5.9	6.1	5.7
TIFFANY (PST-4CD)	6.0	7.2	6.5	3.8	5.4	5.0	6.9	5.0	6.0	6.3	5.9	6.0	4.7	5.4	6.0	5.4	6.3	5.6	4.4	5.7	5.3	5.5	6.0	5.7
89.LKR	.	7.4	.	.	.	5.7	6.0	5.3	.	.	5.4	5.3	5.0	5.1	.	5.8	6.2	6.4	4.2	5.4	.	4.8	6.5	5.6
LONGFELLOW	5.8	7.1	6.8	4.1	6.3	5.1	5.7	5.2	5.4	6.3	5.9	5.7	4.5	5.4	5.8	5.0	6.0	5.6	4.4	5.5	5.2	5.9	6.4	5.6
JAMESTOWN II	5.7	7.2	6.7	4.6	5.8	5.0	6.4	5.2	5.7	6.3	5.7	5.5	5.0	5.1	5.7	5.2	5.7	5.3	4.5	5.4	4.9	5.9	6.1	5.6
PROFORMER (JMB-89)	6.0	6.9	5.9	4.8	5.4	5.1	6.3	5.1	5.8	6.3	6.2	5.4	4.5	5.2	5.5	5.7	5.9	5.3	4.3	5.4	5.1	5.7	6.1	5.6
SR 5000	6.0	7.1	7.2	4.3	5.8	5.1	6.3	5.0	5.4	4.3	5.8	6.0	5.0	5.3	5.9	5.3	5.9	5.3	4.3	5.5	4.9	6.0	5.8	5.5
SHADOW W/ENDO. (PST-SHE)	5.6	7.2	6.6	4.5	5.4	5.0	6.6	4.1	5.4	6.0	5.5	5.5	4.7	5.3	5.2	5.6	5.9	5.2	4.3	5.7	4.8	5.7	6.1	5.5
DIGNITY (OFI 89-200)	5.7	7.1	6.8	3.4	4.9	5.0	5.7	4.3	5.4	6.0	5.9	5.7	4.7	5.0	5.4	5.5	5.9	5.3	4.2	5.9	5.0	5.2	6.4	5.4
PST-4FE	5.9	7.1	6.6	3.9	4.9	5.1	6.1	4.7	5.5	5.3	6.0	5.3	4.2	4.8	5.7	5.1	6.3	5.4	4.2	5.6	4.7	4.5	6.3	5.4
BARGREEN	5.3	7.3	6.5	3.2	4.8	4.5	3.8	4.4	4.8	6.7	6.4	5.0	5.0	4.7	5.1	5.5	6.1	6.0	4.7	5.5	5.2	4.2	6.3	5.3
EPSOM	5.4	7.4	6.5	3.2	5.7	4.7	3.5	5.0	5.3	5.7	6.2	4.7	4.4	4.4	4.6	6.0	5.7	5.2	.	5.5	4.7	5.0	6.2	5.2
BANNER	5.2	6.9	6.2	3.9	5.7	4.7	4.7	5.2	5.5	6.0	5.6	5.1	4.3	4.5	5.3	4.8	5.6	4.7	4.2	5.4	4.8	4.6	6.1	5.2
TROPHY (ESTORIL)	5.1	6.7	7.0	3.4	5.1	4.4	4.0	4.8	5.5	6.0	5.3	4.9	5.1	4.3	4.9	4.9	6.2	6.0	4.3	5.4	5.2	3.8	6.0	5.1
ENJOY	5.1	7.0	6.7	3.8	5.5	4.4	4.1	4.6	5.2	6.0	5.7	4.2	4.4	4.0	4.6	5.5	5.9	5.6	4.2	5.9	4.6	3.7	6.6	5.1
WALDORF	5.0	6.7	6.6	3.4	4.3	4.9	4.0	4.9	5.1	5.7	5.7	5.0	4.3	4.5	5.0	4.9	5.6	5.5	4.8	5.1	5.1	5.1	6.0	5.1
JAMESTOWN	5.0	6.7	5.9	3.8	5.3	4.8	4.7	5.1	5.3	6.3	5.1	4.5	4.6	4.3	5.7	4.7	5.5	4.6	4.4	5.2	5.0	4.4	5.6	5.1
MARY	4.8	7.0	6.6	3.7	4.9	4.6	4.4	4.7	5.0	5.7	5.7	4.2	4.4	4.4	5.1	5.6	5.8	5.4	4.3	5.5	4.6	3.3	6.3	5.0
ATLANTA	4.9	7.1	6.1	3.6	5.3	4.7	4.1	4.6	5.3	6.0	5.1	4.4	4.3	3.8	5.0	5.5	5.4	5.6	4.0	5.5	4.7	4.4	6.0	5.0
RAINBOW	4.8	7.0	5.9	3.6	5.0	4.7	3.5	4.8	5.3	5.3	6.5	4.0	4.2	4.0	4.9	5.3	5.7	5.7	4.5	5.2	5.0	3.3	6.3	5.0
SCARLET	4.5	7.1	6.1	3.5	5.3	4.8	4.1	4.6	5.3	5.7	5.6	4.0	4.2	3.9	4.5	5.5	5.8	5.4	4.3	5.7	4.8	3.5	6.2	5.0
MOLINDA	4.6	7.0	6.4	3.7	5.0	4.7	4.3	4.8	5.1	5.7	4.9	4.8	4.3	4.0	4.8	6.0	5.6	5.3	4.3	5.2	4.6	3.2	6.1	5.0
SHADOW	5.0	6.8	6.0	3.5	5.0	4.3	4.9	5.0	5.6	5.0	5.0	4.9	4.1	4.5	4.8	4.9	5.6	5.1	4.4	5.3	4.5	4.4	5.8	5.0
WILMA	5.4	6.8	6.1	3.4	4.9	5.0	4.3	4.4	5.5	5.7	5.4	3.7	3.9	4.1	5.0	4.4	5.6	5.0	4.2	5.3	4.8	3.9	6.1	4.9
DOVER (NK 82492)	4.8	6.9	6.3	3.3	4.4	4.7	2.6	4.8	5.0	6.3	6.3	4.0	4.0	4.6	5.3	4.8	5.2	4.9	4.3	5.4	4.6	4.1	6.0	4.9
BARLANDER (BAR ER 9F)	4.6	6.9	6.5	3.1	4.7	4.0	4.5	5.0	4.2	5.0	6.6	4.6	3.9	4.0	4.3	4.8	6.2	5.5	4.9	5.0	4.5	3.3	6.1	4.9
CAMARO	4.6	6.9	6.4	3.4	4.8	4.2	3.7	4.4	5.1	6.0	5.0	4.5	4.6	4.2	5.2	5.2	5.4	5.1	4.0	5.4	4.6	3.3	5.9	4.9
ERG 1143	4.8	6.6	6.1	3.2	4.8	4.8	3.6	5.2	4.3	6.7	5.4	4.0	4.2	4.2	4.6	5.1	5.3	5.1	4.6	5.4	4.6	3.5	5.9	4.9
RAYMOND	4.9	6.6	6.3	3.4	4.0	4.7	3.5	4.4	4.8	6.3	5.0	4.2	4.7	4.1	4.7	4.9	5.8	5.2	4.2	5.5	4.7	3.6	6.1	4.9
FERNANDO (HF 112)	5.0	7.1	6.4	3.0	4.3	4.3	3.5	4.8	5.3	5.0	5.5	3.8	4.9	4.0	4.3	4.7	6.0	5.8	4.4	5.5	4.6	3.0	6.3	4.8
PUMA	4.4	6.8	6.7	3.0	4.3	4.4	3.5	4.9	5.2	5.3	5.5	4.0	4.5	3.8	5.1	5.3	5.4	4.9	4.4	5.3	4.3	3.6	6.0	4.8
CAPITOL	4.6	6.8	5.8	3.1	4.5	4.5	4.1	4.2	5.1	6.0	5.8	4.0	4.1	3.6	4.6	5.5	5.5	5.3	4.4	4.9	4.9	3.5	6.0	4.8
SIMONE (LD 3485)	4.8	7.1	6.6	3.0	4.4	4.4	3.5	4.9	5.1	5.3	5.7	3.9	5.1	3.6	4.2	5.0	5.3	5.1	4.3	5.2	5.1	3.0	5.7	4.8
KOKET	4.9	6.7	6.2	3.4	4.5	4.5	4.3	4.7	4.7	5.3	5.2	3.7	4.1	3.9	4.6	4.8	5.3	4.5	4.0	5.3	4.4	2.8	5.7	4.7
BARNICA	4.0	6.7	6.6	3.4	4.1	4.2	3.8	4.8	4.7	5.3	4.9	3.8	4.0	3.5	4.7	4.7	5.4	4.9	4.2	5.0	4.5	3.3	5.9	4.6
LSD VALUE	0.6	0.5	1.0	0.8	1.3	1.1	1.0	0.7	0.7	1.4	0.8	0.6	0.6	0.6	1.5	0.7	0.3	0.4	0.6	0.8	0.7	1.2	0.4	0.2

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

TABLE 1E.

MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																						MEAN	
	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1		WA1
WARWICK	.	6.6	.	.	.	.	6.1	5.3	.	.	.	6.7	6.5	6.3	.	5.6	5.6	.	.	4.5	.	6.1	6.3	6.0
SR 3100 (SRX 89-31)	5.8	7.0	5.4	3.9	5.6	5.6	5.4	5.6	5.0	5.7	6.6	6.9	6.3	7.3	6.3	5.3	5.2	5.9	5.6	4.9	5.1	6.8	6.5	5.8
DISCOVERY (PST-4HD)	5.5	6.6	4.9	3.3	4.7	5.7	6.4	5.2	5.0	5.3	6.3	7.0	6.6	6.9	5.9	6.6	5.8	6.8	5.7	5.1	4.4	6.5	6.2	5.8
SR 3000	5.3	6.5	6.3	3.3	5.1	5.5	5.4	5.4	4.5	5.0	5.6	6.0	6.2	5.1	6.4	4.7	5.5	6.6	5.6	4.7	5.0	6.5	6.6	5.5
RELIANT-W/ ENDOPHYTE	5.2	6.4	5.7	3.5	4.8	5.6	5.8	5.2	5.2	5.3	4.8	6.5	6.5	6.2	5.9	5.4	5.3	6.6	5.5	4.5	4.4	5.7	6.2	5.5
BRIGADE (MELODY)	5.1	6.6	5.5	3.8	5.3	5.6	5.8	5.1	4.8	5.3	4.5	6.3	6.2	5.5	6.3	5.5	4.7	6.9	5.4	4.7	4.5	6.4	5.9	5.5
AURORA W/ENDO. (PST-AUE)	5.1	6.4	5.8	3.1	4.5	5.5	5.9	5.1	5.1	5.7	5.3	6.1	6.4	5.4	6.5	5.9	5.3	6.2	5.4	4.7	4.4	5.7	6.1	5.5
AURORA	5.2	6.4	5.3	3.0	5.1	5.1	6.1	5.2	4.9	5.7	5.0	5.6	6.1	5.4	6.3	5.5	5.5	6.7	5.7	4.4	4.7	6.1	6.3	5.4
PST-4AG	5.1	6.4	5.6	3.2	4.8	5.6	5.9	5.0	4.7	5.3	5.8	5.4	6.8	4.8	5.9	5.1	5.5	6.7	5.5	4.7	4.5	6.0	5.8	5.4
RELIANT-NO ENDOPHYTE	5.3	6.4	6.3	3.3	4.6	5.5	6.1	4.8	5.0	5.0	5.7	6.3	6.1	4.8	6.2	4.5	5.3	6.4	5.3	4.5	4.9	5.4	6.2	5.4
BILJART	4.9	6.5	5.7	2.8	5.2	5.4	5.0	5.6	5.2	5.0	5.5	5.1	6.0	4.9	5.9	5.0	5.2	6.4	5.5	4.5	4.8	6.0	6.3	5.3
EUREKA	5.3	6.2	6.1	3.6	4.5	5.4	5.5	4.6	4.9	4.7	5.1	5.6	6.0	4.6	6.3	4.5	4.7	6.4	5.4	4.9	4.9	6.1	6.4	5.3
SILVANA	5.0	6.2	5.9	3.5	4.6	5.5	5.0	5.4	4.9	5.0	4.6	5.5	6.0	5.2	5.9	4.7	5.1	6.3	5.4	4.8	4.8	6.1	6.1	5.3
ATTILA	5.0	7.0	5.9	2.9	4.3	5.4	4.7	4.9	4.8	5.3	5.4	5.1	5.9	5.3	5.7	4.9	5.2	6.7	5.3	4.9	4.8	5.8	6.7	5.3
SERRA	5.0	6.1	6.2	2.2	3.5	5.6	5.5	5.1	4.6	5.3	6.7	5.6	6.2	5.4	5.9	4.7	4.7	6.5	5.3	4.5	4.7	6.4	5.9	5.3
VALDA	4.6	5.9	5.9	3.3	4.6	5.2	3.9	4.9	5.5	4.7	4.8	5.7	6.2	5.7	5.7	5.5	5.2	6.6	5.3	5.1	5.0	5.9	6.5	5.3
SCALDIS	4.7	6.1	5.2	2.4	3.1	5.5	5.1	5.5	4.8	6.0	5.1	5.8	6.4	5.6	5.8	4.9	5.2	6.4	5.2	4.2	4.7	6.2	6.2	5.2
BARDUR (BAR FO 9A2)	5.1	6.6	5.7	2.3	3.5	5.6	5.3	5.0	5.3	5.0	4.5	4.8	5.9	4.6	5.9	4.7	5.3	6.3	5.6	4.3	4.5	5.5	6.2	5.1
BARREPO	4.5	5.4	5.3	2.3	4.5	5.1	4.6	4.5	4.7	4.0	5.5	3.9	5.5	4.3	5.4	3.9	5.1	5.1	4.1	3.5	4.4	5.1	5.7	4.6
LSD VALUE	0.5	0.7	1.0	1.3	1.1	0.7	1.0	0.7	0.7	1.0	1.4	0.6	0.9	1.0	1.0	0.9	0.5	0.5	0.5	0.9	0.9	0.8	0.4	0.2

TABLE 1F.

MEAN TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																						MEAN	
	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1		WA1
BIGHORN	5.5	6.1	4.9	3.0	4.4	5.5	5.5	5.0	4.8	5	5.0	5.7	5.6	5.0	6.3	5.1	4.9	5.9	5.4	4.1	4.5	5.3	4.6	5.1
MX 86	4.6	5.2	4.7	2.9	4.0	5.1	5.3	5.5	4.9	3	4.1	4.7	6.1	4.2	6.3	4.1	4.3	5.6	5.0	4.1	4.3	5.1	4.5	4.7
LSD VALUE	0.5	0.6	1.2	1.8	1.0	0.6	1.1	0.6	0.7	0	1.1	0.5	0.6	0.7	0.7	0.7	0.5	0.6	0.5	0.9	1.0	0.4	0.5	0.2

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

TABLE 2A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 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	5.7	5.5	6.2	6.3	6.1	5.9	6.2	6.1	6.2	6.9	6.0
DISCOVERY (PST-4HD)	5.3	5.2	5.8	5.7	6.2	6.3	6.0	5.8	6.0	6.1	6.4	6.2	5.9
SR 3100 (SRX 89-31)	4.9	4.9	5.4	5.6	6.1	6.3	6.0	5.8	5.9	5.8	6.0	5.9	5.9
SOUTHPORT	5.6	6.3	6.7	5.8	6.0	5.8	5.5	5.5	5.7	5.9	5.8	5.6	5.7
TIFFANY (PST-4CD)	6.1	6.6	6.8	5.9	5.7	5.7	5.5	5.4	5.8	6.1	5.8	5.7	5.7
BRIDGEPORT (N-105)	5.1	6.0	6.4	5.9	5.9	5.9	5.5	5.4	5.7	5.9	5.6	5.6	5.7
SR 5000	5.7	6.2	6.8	5.9	5.8	5.7	5.4	5.3	5.6	5.8	5.7	5.7	5.6
LONGFELLOW	5.5	5.8	6.1	5.9	5.8	5.8	5.5	5.3	5.4	5.5	5.6	5.1	5.6
89.LKR	5.8	6.2	6.1	5.6	5.9	5.8	5.5	5.6	5.5	5.6	5.3	5.1	5.6
JAMESTOWN II	5.2	5.5	6.4	5.8	5.9	5.6	5.4	5.3	5.4	5.6	5.4	5.3	5.6
RELIANT-W/ ENDOPHYTE	4.8	4.7	5.2	5.4	5.8	5.8	5.6	5.5	5.6	5.6	5.8	5.8	5.6
SR 3000	4.9	4.9	5.4	5.4	5.9	6.0	5.7	5.3	5.4	5.3	5.5	5.8	5.6
PROFORMER (JMB-89)	5.6	6.0	6.4	5.8	5.8	5.7	5.4	5.4	5.5	5.6	5.3	5.2	5.6
AURORA W/ENDO. (PST-AUE)	4.8	4.6	5.3	5.3	5.9	5.9	5.6	5.3	5.5	5.4	5.7	5.7	5.5
BRIGADE (MELODY)	4.3	4.4	5.3	5.5	5.8	6.0	5.6	5.3	5.5	5.3	5.5	5.6	5.5
AURORA	5.2	4.8	5.5	5.3	5.9	5.9	5.5	5.3	5.4	5.4	5.6	5.4	5.5
SHADOW W/ENDO. (PST-SHE)	5.5	5.9	6.5	5.8	5.5	5.6	5.4	5.3	5.4	5.9	5.6	5.4	5.5
PST-4AG	4.8	4.8	5.6	5.3	5.7	5.9	5.4	5.2	5.5	5.3	5.5	5.6	5.5
DIGNITY (OFI 89-200)	5.3	5.9	6.4	5.8	5.8	5.7	5.1	5.1	5.2	5.4	5.4	5.3	5.5
RELIANT-NO ENDOPHYTE	4.8	4.8	5.7	5.4	5.7	5.8	5.4	5.2	5.3	5.3	5.4	5.6	5.4
BILJART	4.3	4.3	5.3	5.3	5.7	5.7	5.4	5.0	5.1	5.1	5.4	5.3	5.4
PST-4FE	6.2	6.2	6.4	5.6	5.5	5.5	5.2	5.1	5.3	5.4	5.4	5.3	5.4
VALDA	4.3	4.3	4.7	5.2	5.7	5.8	5.3	5.0	5.2	5.2	5.6	5.6	5.4
SERRA	4.7	4.5	5.6	5.3	5.5	5.6	5.2	5.1	5.1	5.1	5.4	5.9	5.4
SILVANA	4.4	4.4	5.1	5.3	5.8	5.7	5.3	5.0	5.1	5.1	5.3	5.5	5.4
EUREKA	4.2	4.3	5.2	5.1	5.5	5.7	5.4	5.1	5.3	5.1	5.4	5.3	5.3
ATTILA	4.6	4.7	5.1	5.2	5.6	5.8	5.3	5.2	5.2	5.1	5.2	4.9	5.3
SCALDIS	4.7	4.7	5.3	5.3	5.7	5.4	5.2	5.0	5.2	5.1	5.5	5.7	5.3
BARGREEN	6.0	6.1	5.5	5.3	5.4	5.4	5.1	5.0	5.0	5.0	5.1	5.2	5.2
EESOM	5.1	5.6	5.2	5.5	5.8	5.5	5.0	4.9	4.8	4.8	5.0	5.0	5.2
BARDUR (BAR FO 9A2)	4.8	4.9	5.3	5.1	5.5	5.6	5.1	4.8	4.9	5.0	5.0	5.2	5.2
PST-43F	5.2	5.6	5.7	5.6	5.4	5.1	4.8	4.7	5.0	5.3	5.3	5.4	5.2
BIGHORN	4.8	4.6	4.9	5.0	5.4	5.6	5.2	4.9	5.0	5.0	5.2	5.2	5.2
PST-4R3	5.2	5.2	5.6	5.4	5.1	5.2	5.0	4.9	5.3	5.6	5.4	5.1	5.2
BANNER	4.8	5.7	5.7	5.4	5.3	5.2	4.8	4.7	4.8	5.2	5.0	5.0	5.1
TROPHY (ESTORIL)	5.6	5.8	5.5	5.4	5.6	5.4	4.9	4.7	4.8	4.9	4.8	5.3	5.1
SEABREEZE (FRT-30149)	4.9	5.3	5.0	5.2	5.3	5.4	5.0	4.8	4.8	4.8	5.0	5.2	5.1
WALDORF	5.1	5.4	5.4	5.4	5.5	5.3	4.7	4.6	4.8	5.0	4.9	4.9	5.1
SALEM	4.9	5.4	5.6	5.4	5.1	5.1	4.9	4.5	5.0	5.3	5.0	5.2	5.1
JASPER	5.1	5.4	5.4	5.4	5.3	5.3	4.7	4.5	4.7	4.9	5.0	5.3	5.1
PST-4C8	5.5	5.7	5.5	5.4	5.1	5.2	4.8	4.6	4.7	5.1	5.0	5.0	5.0
ENJOY	5.6	5.9	5.5	5.2	5.4	5.3	4.8	4.7	4.8	4.7	4.8	4.9	5.0
JAMESTOWN	5.1	5.3	5.6	5.4	5.3	5.1	4.7	4.5	4.7	4.9	4.8	4.9	5.0
MARY	5.0	5.5	5.8	5.4	5.4	5.1	4.7	4.6	4.7	4.7	4.7	4.8	5.0
ATLANTA	5.1	5.6	5.5	5.1	5.4	5.1	4.7	4.7	4.8	4.8	4.8	4.6	5.0
SHADOW	5.1	5.9	6.1	5.5	5.1	5.0	4.7	4.5	4.6	5.0	4.9	4.9	5.0
CINDY	5.1	5.6	5.2	4.9	4.9	5.1	4.9	4.7	4.8	4.8	4.9	4.8	5.0
HERALD	4.7	5.3	5.3	5.1	4.8	5.0	4.9	4.8	4.7	4.9	4.7	4.8	5.0
MOLINDA	5.2	5.6	5.7	5.4	5.0	4.9	4.6	4.6	4.7	4.9	4.9	5.4	5.0

TABLE 2A.
(CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SCARLET	5.3	6.1	5.7	5.2	5.3	5.1	4.7	4.4	4.6	4.6	4.5	4.8	5.0
BARCROWN	5.1	5.1	4.5	4.7	5.3	5.4	4.9	4.5	4.6	4.6	4.5	5.1	4.9
RAINBOW	5.0	5.3	5.5	5.1	5.4	5.1	4.6	4.5	4.6	4.5	4.4	4.7	4.9
VISTA	4.9	5.1	5.6	5.2	5.1	5.0	4.6	4.5	4.8	5.2	4.9	5.1	4.9
EST-4NI	4.7	5.0	5.3	5.3	5.2	5.0	4.6	4.4	4.7	5.0	5.0	4.8	4.9
NAPOLI (LD 3488)	4.8	5.1	4.7	5.0	5.3	5.3	4.7	4.2	4.5	4.5	4.7	5.0	4.9
HF 138	5.1	5.2	5.3	4.9	5.0	5.0	4.8	4.5	4.6	4.9	4.7	5.0	4.9
SMIRNA (ZW 42-160)	5.4	5.5	4.5	4.8	5.2	5.3	4.8	4.3	4.3	4.3	4.6	5.3	4.9
SHADEMASTER	4.7	4.8	5.6	5.1	5.0	4.9	4.6	4.5	4.8	5.1	4.9	5.1	4.9
WILMA	5.2	5.8	5.4	5.2	5.1	5.0	4.6	4.5	4.5	4.6	4.4	4.6	4.9
MARKER	5.4	5.7	4.6	4.8	5.2	5.3	4.8	4.4	4.2	4.2	4.5	5.2	4.8
CAMARO	5.2	5.4	5.5	5.2	5.0	4.7	4.4	4.4	4.6	4.7	4.9	5.2	4.8
BARLANDER (BAR FR 9F)	5.5	5.8	5.3	4.9	5.1	5.0	4.6	4.6	4.6	4.8	4.7	4.9	4.8
FERNANDO (HF 112)	5.8	6.2	5.3	4.9	5.1	5.1	4.8	4.5	4.6	4.5	4.3	4.7	4.8
FLYER	5.0	5.3	5.5	5.0	5.1	4.9	4.5	4.3	4.4	4.9	4.8	5.0	4.8
RAYMOND	5.4	5.7	5.5	5.2	5.2	4.9	4.5	4.3	4.4	4.7	4.7	5.0	4.8
DOVER (NK 82492)	4.6	5.0	4.7	5.0	5.3	5.0	4.5	4.3	4.3	4.4	4.6	4.3	4.8
FUMA	4.9	5.5	5.3	4.9	4.9	4.8	4.4	4.4	4.5	4.7	4.8	5.1	4.8
ERG 1143	4.6	4.9	4.8	4.9	5.1	5.0	4.5	4.5	4.6	4.4	4.6	4.5	4.8
MK 86	4.0	3.9	4.9	4.5	4.8	5.0	4.8	4.6	4.8	4.6	4.7	5.0	4.8
SIMONE (LD 3485)	4.9	5.1	5.2	5.1	5.0	4.8	4.4	4.4	4.4	4.5	4.5	4.9	4.8
CAPITOL	5.1	5.6	5.4	5.1	5.1	4.8	4.4	4.4	4.4	4.6	4.4	5.0	4.8
PARSKOL (BAR FR 9P)	5.1	5.3	4.7	4.7	5.2	5.1	4.6	4.2	4.2	4.2	4.3	4.9	4.7
DAWSON	5.1	5.2	4.6	4.7	4.9	4.9	4.6	4.2	4.3	4.4	4.4	5.0	4.7
BARREPPPO	4.7	4.7	4.6	4.6	4.9	4.8	4.7	4.5	4.5	4.5	4.6	4.8	4.7
KOKET	4.9	5.7	5.4	4.9	4.7	4.8	4.4	4.2	4.4	4.6	4.3	4.5	4.6
WW RS 138	4.6	4.6	5.2	5.0	4.8	4.8	4.4	4.1	4.3	4.6	4.4	4.7	4.6
BARNICA	5.1	5.7	5.2	4.9	4.5	4.6	4.3	4.2	4.3	4.4	4.4	4.6	4.6
BELVEDERE	4.2	4.3	4.6	4.8	4.8	4.6	4.3	4.3	4.4	4.6	4.5	4.4	4.6
REVERE (NK 88001)	4.6	5.0	4.6	4.5	4.9	4.7	4.3	4.1	4.2	4.5	4.3	4.3	4.5
TALUS (LD 3438)	4.2	4.4	4.3	4.7	5.0	4.8	4.3	4.0	4.1	4.2	4.3	4.6	4.5
COMFORT (HF 102)	5.3	5.4	4.7	4.3	4.5	4.6	4.4	4.1	4.3	4.3	4.3	4.8	4.5
COLLO (LD 3414)	4.0	4.1	4.3	4.6	4.8	4.7	4.4	4.1	4.1	4.2	4.1	4.4	4.5
CLAUDIA	4.6	4.8	5.0	4.6	4.3	4.3	4.0	4.0	4.3	4.5	4.3	4.6	4.4
BARGENA II (BAR FR8RC3)	4.5	4.6	5.0	4.7	4.6	4.5	4.1	4.1	4.2	4.3	4.1	4.4	4.4
WW RS 143	4.2	4.6	4.8	4.5	4.5	4.6	4.2	3.8	4.1	4.3	4.0	4.4	4.4
ENSYLVA	4.2	4.8	5.1	4.5	4.1	4.3	4.1	4.0	4.2	4.6	4.2	4.6	4.4
SYLVIA (WW RS 130)	4.4	4.5	4.5	4.5	4.5	4.5	4.2	3.9	4.1	4.2	4.0	4.5	4.3
SUNSET (ZW 42-158)	4.3	4.5	5.0	4.6	4.3	4.3	4.2	3.9	4.2	4.4	4.1	4.3	4.3
BOREAL	4.1	4.3	4.9	4.9	4.5	4.4	4.0	3.7	4.1	4.3	3.9	4.3	4.3
BARLOTTE	4.7	4.8	4.2	4.2	4.4	4.6	4.1	3.8	3.9	3.7	3.8	4.5	4.3
ELANOR	4.4	4.6	4.9	4.6	4.5	4.4	4.0	3.7	4.0	4.1	4.0	4.3	4.3
BARGENA	4.5	4.6	4.6	4.5	4.2	4.2	4.0	3.9	4.2	4.3	3.9	4.4	4.2
FRANKLIN	4.0	3.9	4.7	4.5	4.4	4.1	3.8	3.7	3.9	4.1	3.7	4.3	4.2
SYLVESTER	4.3	4.5	4.4	4.4	4.3	4.2	3.9	3.6	3.9	4.0	3.8	4.3	4.1
LSD VALUE	0.7	0.8	0.7	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.2

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

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING RED FESCUE CULTIVARS FOR EACH MONTH GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA 1990-1993 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	5.2	5.6	5.7	5.6	5.4	5.1	4.8	4.7	5.0	5.3	5.3	5.4	5.2
EST-4R3	5.2	5.2	5.6	5.4	5.1	5.2	5.0	4.9	5.3	5.6	5.4	5.1	5.2
SALEM	4.9	5.4	5.6	5.4	5.1	5.1	4.9	4.5	5.0	5.3	5.0	5.2	5.1
JASPER	5.1	5.4	5.4	5.4	5.3	5.3	4.7	4.5	4.7	4.9	5.0	5.3	5.1
EST-4C8	5.5	5.7	5.5	5.4	5.1	5.2	4.8	4.6	4.7	5.1	5.0	5.0	5.0
CINDY	5.1	5.6	5.2	4.9	4.9	5.1	4.9	4.7	4.8	4.8	4.9	4.8	5.0
HERALD	4.7	5.3	5.3	5.1	4.8	5.0	4.9	4.8	4.7	4.9	4.7	4.8	5.0
VISTA	4.9	5.1	5.6	5.2	5.1	5.0	4.6	4.5	4.8	5.2	4.9	5.1	4.9
EST-4NI	4.7	5.0	5.3	5.3	5.2	5.0	4.6	4.4	4.7	5.0	5.0	4.8	4.9
SHADEMASTER	4.7	4.8	5.6	5.1	5.0	4.9	4.6	4.5	4.8	5.1	4.9	5.1	4.9
FLYER	5.0	5.3	5.5	5.0	5.1	4.9	4.5	4.3	4.4	4.9	4.8	5.0	4.8
WW RS 138	4.6	4.6	5.2	5.0	4.8	4.8	4.4	4.1	4.3	4.6	4.4	4.7	4.6
BELVEDERE	4.2	4.3	4.6	4.8	4.8	4.6	4.3	4.3	4.4	4.6	4.5	4.4	4.6
REVERE (NK 88001)	4.6	5.0	4.6	4.5	4.9	4.7	4.3	4.1	4.2	4.5	4.3	4.3	4.5
TALUS (LD 3438)	4.2	4.4	4.3	4.7	5.0	4.8	4.3	4.0	4.1	4.2	4.3	4.6	4.5
COLLO (LD 3414)	4.0	4.1	4.3	4.6	4.8	4.7	4.4	4.1	4.1	4.2	4.1	4.4	4.5
CLAUDIA	4.6	4.8	5.0	4.6	4.3	4.3	4.0	4.0	4.3	4.5	4.3	4.6	4.4
BARGENA II (BAR FR8RC3)	4.5	4.6	5.0	4.7	4.6	4.5	4.1	4.1	4.2	4.3	4.1	4.4	4.4
WW RS 143	4.2	4.6	4.8	4.5	4.5	4.6	4.2	3.8	4.1	4.3	4.0	4.4	4.4
ENSYLVA	4.2	4.8	5.1	4.5	4.1	4.3	4.1	4.0	4.2	4.6	4.2	4.6	4.4
SYLVIA (WW RS 130)	4.4	4.5	4.5	4.5	4.5	4.5	4.2	3.9	4.1	4.2	4.0	4.5	4.3
SUNSET (ZW 42-158)	4.3	4.5	5.0	4.6	4.3	4.3	4.2	3.9	4.2	4.4	4.1	4.3	4.3
BOREAL	4.1	4.3	4.9	4.9	4.5	4.4	4.0	3.7	4.1	4.3	3.9	4.3	4.3
ELANOR	4.4	4.6	4.9	4.6	4.5	4.4	4.0	3.7	4.0	4.1	4.0	4.3	4.3
BARGENA	4.5	4.6	4.6	4.5	4.2	4.2	4.0	3.9	4.2	4.3	3.9	4.4	4.2
FRANKLIN	4.0	3.9	4.7	4.5	4.4	4.1	3.8	3.7	3.9	4.1	3.7	4.3	4.2
SYLVESTER	4.3	4.5	4.4	4.4	4.3	4.2	3.9	3.6	3.9	4.0	3.8	4.3	4.1
LSD VALUE	0.7	0.7	0.6	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.2

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS FOR EACH MONTH GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA 1990-1993 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
SEABREEZE (FRT-30149)	4.9	5.3	5.0	5.2	5.3	5.4	5.0	4.8	4.8	4.8	5.0	5.2	5.1
BARCROWN	5.1	5.1	4.5	4.7	5.3	5.4	4.9	4.5	4.6	4.6	4.5	5.1	4.9
NAPOLI (LD 3488)	4.8	5.1	4.7	5.0	5.3	5.3	4.7	4.2	4.5	4.5	4.7	5.0	4.9
HF 138	5.1	5.2	5.3	4.9	5.0	5.0	4.8	4.5	4.6	4.9	4.7	5.0	4.9
SMIRNA (ZW 42-160)	5.4	5.5	4.5	4.8	5.2	5.3	4.8	4.3	4.3	4.3	4.6	5.3	4.9
MARKER	5.4	5.7	4.6	4.8	5.2	5.3	4.8	4.4	4.2	4.2	4.5	5.2	4.8
BARSKOL (BAR FR 9P)	5.1	5.3	4.7	4.7	5.2	5.1	4.6	4.2	4.2	4.2	4.3	4.9	4.7
DAWSON	5.1	5.2	4.6	4.7	4.9	4.9	4.6	4.2	4.3	4.4	4.4	5.0	4.7
COMFORT (HF 102)	5.3	5.4	4.7	4.3	4.5	4.6	4.4	4.1	4.3	4.3	4.3	4.8	4.5
BARLOTTE	4.7	4.8	4.2	4.2	4.4	4.6	4.1	3.8	3.9	3.7	3.8	4.5	4.3
LSD VALUE	1.1	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7	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 2D.

MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 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
SOUTHPORT	5.6	6.3	6.7	5.8	6.0	5.8	5.5	5.5	5.7	5.9	5.8	5.6	5.7
TIFFANY (PST-4CD)	6.1	6.6	6.8	5.9	5.7	5.7	5.5	5.4	5.8	6.1	5.8	5.7	5.7
BRIDGEPORT (N-105)	5.1	6.0	6.4	5.9	5.9	5.9	5.5	5.4	5.7	5.9	5.6	5.6	5.7
SR 5000	5.7	6.2	6.8	5.9	5.8	5.7	5.4	5.3	5.6	5.8	5.7	5.7	5.6
LQNGFELLOW	5.5	5.8	6.1	5.9	5.8	5.8	5.5	5.3	5.4	5.5	5.6	5.1	5.6
89.LKR	5.8	6.2	6.1	5.6	5.9	5.8	5.5	5.6	5.5	5.6	5.3	5.1	5.6
JAMESTOWN II	5.2	5.5	6.4	5.8	5.9	5.6	5.4	5.3	5.4	5.6	5.4	5.3	5.6
PROFORMER (JMB-89)	5.6	6.0	6.4	5.8	5.8	5.7	5.4	5.4	5.5	5.6	5.3	5.2	5.6
SHADOW W/ENDO. (PST-SHE)	5.5	5.9	6.5	5.8	5.5	5.6	5.4	5.3	5.4	5.9	5.6	5.4	5.5
DIGNITY (OFI 89-200)	5.3	5.9	6.4	5.8	5.8	5.7	5.1	5.1	5.2	5.4	5.4	5.3	5.5
PST-4FE	6.2	6.2	6.4	5.6	5.5	5.5	5.2	5.1	5.3	5.4	5.4	5.3	5.4
BARGREEN	6.0	6.1	5.5	5.3	5.4	5.4	5.1	5.0	5.0	5.0	5.1	5.2	5.2
EPSOM	5.1	5.6	5.2	5.5	5.8	5.5	5.0	4.9	4.8	4.8	5.0	5.0	5.2
BANNER	4.8	5.7	5.7	5.4	5.3	5.2	4.8	4.7	4.8	5.2	5.0	5.0	5.1
TROPHY (ESTORIL)	5.6	5.8	5.5	5.4	5.6	5.4	4.9	4.7	4.8	4.9	4.8	5.3	5.1
WALDORF	5.1	5.4	5.4	5.4	5.5	5.3	4.7	4.6	4.8	5.0	4.9	4.9	5.1
ENJOY	5.6	5.9	5.5	5.2	5.4	5.3	4.8	4.7	4.8	4.7	4.8	4.9	5.0
JAMESTOWN	5.1	5.3	5.6	5.4	5.3	5.1	4.7	4.5	4.7	4.9	4.8	4.9	5.0
MARY	5.0	5.5	5.8	5.4	5.4	5.1	4.7	4.6	4.7	4.7	4.7	4.8	5.0
ATLANTA	5.1	5.6	5.5	5.1	5.4	5.1	4.7	4.7	4.8	4.8	4.8	4.6	5.0
SHADOW	5.1	5.9	6.1	5.5	5.1	5.0	4.7	4.5	4.6	5.0	4.9	4.9	5.0
MOLINDA	5.2	5.6	5.7	5.4	5.0	4.9	4.6	4.6	4.7	4.9	4.9	5.4	5.0
SCARLET	5.3	6.1	5.7	5.2	5.3	5.1	4.7	4.4	4.6	4.6	4.5	4.8	5.0
RAINBOW	5.0	5.3	5.5	5.1	5.4	5.1	4.6	4.5	4.6	4.5	4.4	4.7	4.9
WILMA	5.2	5.8	5.4	5.2	5.1	5.0	4.6	4.5	4.5	4.6	4.4	4.6	4.9
CAMARO	5.2	5.4	5.5	5.2	5.0	4.7	4.4	4.4	4.6	4.7	4.9	5.2	4.8
BARLANDER (BAR FR 9F)	5.5	5.8	5.3	4.9	5.1	5.0	4.6	4.6	4.6	4.8	4.7	4.9	4.8
FERNANDO (HF 112)	5.8	6.2	5.3	4.9	5.1	5.1	4.8	4.5	4.6	4.5	4.3	4.7	4.8
RAYMOND	5.4	5.7	5.5	5.2	5.2	4.9	4.5	4.3	4.4	4.7	4.7	5.0	4.8
DOVER (NK 82492)	4.6	5.0	4.7	5.0	5.3	5.0	4.5	4.3	4.3	4.4	4.6	4.3	4.8
PUMA	4.9	5.5	5.3	4.9	4.9	4.8	4.4	4.4	4.5	4.7	4.8	5.1	4.8
ERG 1143	4.6	4.9	4.8	4.9	5.1	5.0	4.5	4.5	4.6	4.4	4.6	4.5	4.8
SIMONE (LD 3485)	4.9	5.1	5.2	5.1	5.0	4.8	4.4	4.4	4.4	4.5	4.5	4.9	4.8
CAPITOL	5.1	5.6	5.4	5.1	5.1	4.8	4.4	4.4	4.4	4.6	4.4	5.0	4.8
KOKET	4.9	5.7	5.4	4.9	4.7	4.8	4.4	4.2	4.4	4.6	4.3	4.5	4.6
BARNICA	5.1	5.7	5.2	4.9	4.5	4.6	4.3	4.2	4.3	4.4	4.4	4.6	4.6
LSD VALUE	0.7	0.7	0.7	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.2

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

TABLE 2E.

MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 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	5.7	5.5	6.2	6.3	6.1	5.9	6.2	6.1	6.2	6.9	6.0
DISCOVERY (PST-4HD)	5.3	5.2	5.8	5.7	6.2	6.3	6.0	5.8	6.0	6.1	6.4	6.2	5.9
SR 3100 (SRX 89-31)	4.9	4.9	5.4	5.6	6.1	6.3	6.0	5.8	5.9	5.8	6.0	5.9	5.9
RELIANT-W/ ENDOPHYTE	4.8	4.7	5.2	5.4	5.8	5.8	5.6	5.5	5.6	5.6	5.8	5.8	5.6
SR 3000	4.9	4.9	5.4	5.4	5.9	6.0	5.7	5.3	5.4	5.3	5.5	5.8	5.6
AURORA W/ENDO. (PST-AUE)	4.8	4.6	5.3	5.3	5.9	5.9	5.6	5.3	5.5	5.4	5.7	5.7	5.5
BRIGADE (MELODY)	4.3	4.4	5.3	5.5	5.8	6.0	5.6	5.3	5.5	5.3	5.5	5.6	5.5
AURORA	5.2	4.8	5.5	5.3	5.9	5.9	5.5	5.3	5.4	5.4	5.6	5.4	5.5
PST-4AG	4.8	4.8	5.6	5.3	5.7	5.9	5.4	5.2	5.5	5.3	5.5	5.6	5.5
RELIANT-NO ENDOPHYTE	4.8	4.8	5.7	5.4	5.7	5.8	5.4	5.2	5.3	5.3	5.4	5.6	5.4
BILJART	4.3	4.3	5.3	5.3	5.7	5.7	5.4	5.0	5.1	5.1	5.4	5.3	5.4
VALDA	4.3	4.3	4.7	5.2	5.7	5.8	5.3	5.0	5.2	5.2	5.6	5.6	5.4
SERRA	4.7	4.5	5.6	5.3	5.5	5.6	5.2	5.1	5.1	5.1	5.4	5.9	5.4
SILVANA	4.4	4.4	5.1	5.3	5.8	5.7	5.3	5.0	5.1	5.1	5.3	5.5	5.4
EUREKA	4.2	4.3	5.2	5.1	5.5	5.7	5.4	5.1	5.3	5.1	5.4	5.3	5.3
ATTILA	4.6	4.7	5.1	5.2	5.6	5.8	5.3	5.2	5.2	5.1	5.2	4.9	5.3
SCALDIS	4.7	4.7	5.3	5.3	5.7	5.4	5.2	5.0	5.2	5.1	5.5	5.7	5.3
BARDUR (BAR FO 9A2)	4.8	4.9	5.3	5.1	5.5	5.6	5.1	4.8	4.9	5.0	5.0	5.2	5.2
BARREPP0	4.7	4.7	4.6	4.6	4.9	4.8	4.7	4.5	4.5	4.5	4.6	4.8	4.7
LSD VALUE	0.7	0.7	0.7	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.2

TABLE 2F.

MEAN TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1990-1993 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
BIGHORN	4.8	4.6	4.9	5.0	5.4	5.6	5.2	4.9	5.0	5.0	5.2	5.2	5.2
MX 86	4.0	3.9	4.9	4.5	4.8	5.0	4.8	4.6	4.8	4.6	4.7	5.0	4.8
LSD VALUE	0.6	0.5	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.2

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

TABLE 3B.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF CREEPING RED FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA 1/
1990-1993 DATA
QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING 2/

NAME	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
PST-43F	7.0	1.0	8.0	13.0	9	5.0	5	1	7	9.5	3.0	2.0	9.0	4	5.0	4	3	1.0	11	1	5.5	9	3.0	1
PST-4R3	5.0	2.0	16.5	1.0	1	1.0	2	17	10	17.5	4.5	1.0	1.0	1	3.0	12	5	10.5	20	8	13.0	1	12.0	2
JASPER	6.0	7.0	1.0	7.0	6	12.0	13	14	6	13.0	1.0	7.0	11.0	3	1.0	5	4	2.0	10	3	2.0	3	4.0	3
PST-4C8	1.0	5.0	4.0	8.0	3	9.0	8	10	5	5.5	4.5	9.0	6.0	2	12.0	3	1	8.0	6	7	12.0	10	10.0	4
SALEM	3.0	9.0	5.0	12.0	4	3.0	1	3	2	17.5	8.0	6.0	4.0	6	7.5	7	6	12.5	9	6	7.0	5	2.0	5
CINDY	11.5	4.0	13.0	5.0	10	7.5	19	9	3	1.0	2.0	13.0	10.0	8	15.0	1	2	10.5	2	2	1.0	15	1.0	6
HERALD	8.0	3.0	3.0	4.0	2	7.5	17	7	1	5.5	8.0	10.0	12.0	11	15.0	2	10	6.0	3	4	3.0	12	13.0	7
VISTA	4.0	8.0	25.0	2.0	8	2.0	3	14	12	9.5	11.0	4.0	5.0	10	5.0	6	12	20.0	8	11	15.0	4	9.0	8
PST-4NI	16.0	6.0	26.0	3.0	5	11.0	4	12	4	13.0	8.0	5.0	3.0	12	2.0	11	9	3.0	16	5	21.0	6	5.0	9
SHADEMASTER	20.0	10.0	7.0	6.0	7	10.0	6	6	24	2.5	11.0	3.0	13.5	7	5.0	9	11	18.0	4	12	18.5	2	23.0	10
FLYER	9.0	11.0	22.0	9.0	14	4.0	7	5	8	5.5	13.0	8.0	8.0	9	7.5	13	7	12.5	5	10	14.0	11	6.0	11
BELVEDERE	11.5	14.0	27.0	15.0	19	6.0	14	2	25	17.5	17.5	11.0	7.0	5	9.0	27	24	4.0	18	9	5.5	7	27.0	12
WW RS 138	25.0	12.0	15.0	23.0	23	25.0	9	4	18	17.5	6.0	16.0	2.0	17	27.0	10	8	15.0	14	14	4.0	16	19.0	13
REVERE (NK 88001)	2.0	17.5	20.0	18.0	17	14.0	18	16	19	9.5	15.0	18.5	25.0	19	24.5	14	19	5.0	.	19	8.0	14	14.0	14
TALUS (LD 3438)	10.0	16.0	19.0	26.0	24	18.0	26	21	22	5.5	15.0	14.0	15.0	14	19.0	8	17	7.0	7	17	24.0	8	7.0	15
COLLO (LD 3414)	18.0	17.5	14.0	14.0	16	21.0	23	11	23	17.5	15.0	12.0	18.0	16	10.5	19	26	9.0	15	23	16.0	13	15.0	16
CLAUDIA	15.0	23.0	10.0	16.0	21	27.0	11	14	11	13.0	11.0	24.0	21.0	13	10.5	22	16	26.0	12	13	23.0	22	24.0	17
BARGENA II (BAR FR8RC3)	19.0	25.0	16.5	20.5	12	17.0	10	26	21	21.0	17.5	21.0	20.0	21	17.5	16	15	21.0	21	20	17.0	23	20.5	18
WW RS 143	27.0	15.0	6.0	23.0	15	24.0	20	25	9	23.0	22.0	17.0	16.0	25	22.5	23	14	16.0	17	25	9.0	17	20.5	19
ENSYLVA	17.0	24.0	11.0	10.5	13	19.0	16	19	20	25.5	26.0	18.5	17.0	22	13.0	26	21	22.0	1	15	27.0	18	22.0	20
SYLVIA (WW RS 130)	26.0	13.0	24.0	23.0	20	13.0	27	20	13	17.5	22.0	15.0	22.0	18	17.5	17	13	19.0	25	22	10.5	24	8.0	21
SUNSET (ZW 42-158)	23.0	21.0	12.0	17.0	18	16.0	21	22	15	25.5	20.0	20.0	27.0	24	20.5	18	22	17.0	13	21	10.5	21	25.0	22
ELANOR	13.0	26.0	2.0	20.5	27	26.0	24	27	27	9.5	22.0	23.0	13.5	15	26.0	24	18	14.0	19	24	20.0	20	11.0	23
BOREAL	22.0	20.0	9.0	19.0	22	23.0	12	18	15	23.0	27.0	25.0	24.0	23	20.5	15	23	23.5	23	18	22.0	25	18.0	24
BARGENA	14.0	19.0	18.0	10.5	11	22.0	22	23	26	27.0	24.0	22.0	23.0	27	24.5	25	25	23.5	22	16	26.0	19	26.0	25
SYLVESTER	21.0	27.0	21.0	25.0	25	15.0	25	24	15	2.5	25.0	27.0	26.0	20	22.5	21	20	25.0	26	26	18.5	26	17.0	26
FRANKLIN	24.0	22.0	23.0	27.0	26	20.0	15	8	17	23.0	19.0	26.0	19.0	26	15.0	20	27	27.0	24	27	25.0	27	16.0	27

TABLE 3C.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA 1/
1990-1993 DATA
QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING 2/

NAME	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
SEABREEZE (FRT-30149)	3	3	1.0	2	4	5	2	4	8.0	1.0	6.0	1	2	5	1.5	3	5	2	5	1	2	3	4	1
HF 138	1	8	5.5	1	1	6	1	2	1.5	7.5	2.0	3	3	2	6.0	9	6	10	8	4	5	6	5	2
SMIRNA (ZW 42-160)	4	5	2.0	6	3	3	9	1	6.5	7.5	3.5	6	7	8	1.5	6	3	4	.	5	4	1	7	3
BARCROWN	8	1	7.0	8	7	9	3	9	5.0	7.5	3.5	2	6	1	8.0	1	4	1	1	2	9	2	3	4
NAPOLI (LD 3488)	7	2	8.0	4	2	7	4	3	4.0	5.0	7.0	4	1	6	3.0	2	7	6	6	3	8	7	1	5
MARKER	5	10	5.5	5	6	4	8	5	3.0	3.0	1.0	10	8	4	5.0	4	1	3	2	7	3	4	2	6
BARSKOL (BAR FR 9P)	9	4	3.0	8	9	1	7	6	6.5	3.0	5.0	5	5	3	7.0	8	2	7	3	6	6	8	8	7
DAWSON	2	6	4.0	3	5	2	6	8	1.5	3.0	8.0	8	9	7	4.0	5	8	5	9	9	7	5	6	8
COMFORT (HF 102)	6	9	9.0	8	8	10	5	7	9.0	10.0	9.0	9	4	10	9.0	7	9	9	4	8	10	9	9	9
BARLOTTE	10	7	10.0	10	10	8	10	10	10.0	7.5	10.0	7	10	9	10.0	10	10	8	7	10	1	10	10	10

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 1B & 1C.

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 TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA 1/
1990-1993 DATA

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

NAME	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
SOUTHPORT	5.0	6.0	19	6.0	3	2.0	4.0	29.0	2.0	14.5	3.0	3.0	5.0	2	1.0	3.0	7	15.0	31.0	3	24.5	7	4.0	1
BRIDGEPORT (N-105)	6.0	3.0	9	3.0	2	8.0	2.5	7.0	6.5	14.5	17.5	4.0	8.0	1	2.5	14.0	11	10.0	13.0	8	4.5	2	20.0	2
TIFFANY (PST-4CD)	1.5	8.0	16	10.0	10	9.0	1.0	12.0	1.0	6.0	10.5	1.0	11.0	3	2.5	15.0	1	8.5	9.5	4	1.0	8	22.0	3
89.LKR	.	1.0	.	.	.	1.0	9.0	1.0	.	.	26.5	11.0	3.0	9	.	4.0	5	1.0	26.5	23	.	12	2.0	4
LONGFELLOW	7.0	12.5	3	7.0	1	3.0	10.0	4.0	11.0	6.0	10.5	5.5	17.0	4	5.0	23.0	9	6.0	9.5	13	3.0	3	3.0	5
JAMESTOWN II	8.0	5.0	5	2.0	5	11.0	5.0	3.0	4.0	6.0	17.5	8.0	7.0	8	8.0	19.5	21	18.0	5.0	21	13.0	4	13.0	6
PROFORMER (JMB-89)	3.0	21.5	33	1.0	11	4.0	6.0	8.0	3.0	6.0	6.5	9.0	16.0	7	9.0	5.0	15	21.0	16.0	22	6.0	5	21.0	7
SR 5000	1.5	9.0	1	5.0	4	6.0	7.0	9.0	13.0	35.0	12.5	2.0	4.0	6	4.0	17.0	14	19.0	17.0	12	14.0	1	32.0	8
SHADOW W/ENDO. (PST-SHE)	10.0	7.0	14	4.0	9	12.0	2.5	36.0	14.0	14.5	23.5	7.0	13.0	5	13.5	6.0	12	25.0	15.0	5	16.0	6	18.0	9
DIGNITY (OFI 89-200)	9.0	16.0	4	21.0	21	7.0	11.0	34.0	12.0	14.5	9.0	5.5	12.0	10	10.0	12.0	13	17.0	29.5	2	10.0	9	5.0	10
PST-4FE	4.0	10.0	10	8.0	19	5.0	8.0	23.0	8.0	28.5	8.0	10.0	26.0	11	7.0	22.0	2	13.5	24.0	7	20.5	14	8.0	11
BARGREEN	13.0	4.0	17	28.0	23	25.0	27.0	33.0	30.0	1.5	4.0	14.0	6.0	12	17.0	9.0	6	2.0	3.0	11	4.5	18	7.0	12
EPSOM	12.0	2.0	18	29.5	6	18.0	31.0	10.5	18.0	22.5	6.5	18.0	20.0	17	30.5	2.0	20	23.0	.	16	20.5	11	12.0	13
BANNER	14.0	23.0	26	9.0	7	21.0	14.0	2.0	10.0	14.5	20.5	12.0	22.0	14	11.5	31.0	25	34.0	32.0	19	17.0	13	19.0	14
TROPHY (ESTORIL)	15.0	30.0	2	25.0	15	29.0	25.0	18.5	6.5	14.5	28.0	15.0	1.0	20	21.5	27.0	4	3.0	21.0	17	2.0	21	23.5	15
ENJOY	16.0	19.0	7	11.5	8	28.0	22.0	28.0	21.0	14.5	17.5	24.0	21.0	25	30.5	11.0	10	8.5	28.0	1	29.5	22	1.0	16
WALDORF	19.0	31.0	12	21.0	32	13.0	24.0	15.0	26.0	22.5	17.5	13.0	25.0	15	19.0	28.0	24	12.0	2.0	33	7.0	10	25.0	17
JAMESTOWN	17.0	32.0	34	11.5	12	16.0	13.0	6.0	19.5	6.0	31.0	21.0	14.0	19	6.0	33.0	28	35.0	11.5	31	11.0	16	36.0	18
MARY	25.0	17.0	8	13.0	22	24.0	16.0	25.0	28.0	22.5	14.5	23.0	19.0	18	15.0	7.0	18	16.0	22.0	15	26.0	28	10.0	19
ATLANTA	21.0	12.5	27	15.5	13	20.0	20.0	26.0	17.0	14.5	30.0	22.0	23.5	33	19.0	8.0	29	7.0	35.0	9	20.5	15	23.5	20
RAINBOW	28.0	20.0	32	15.5	17	19.0	33.5	20.5	15.0	28.5	2.0	28.0	27.0	28	21.5	18.0	19	5.0	6.0	30	9.0	29	6.0	21
SCARLET	33.0	15.0	28	17.5	14	14.0	21.0	27.0	16.0	22.5	20.5	29.0	29.0	30	32.0	10.0	16	13.5	18.0	6	15.0	26	11.0	22
MOLINDA	29.0	18.0	21	14.0	16	17.0	18.5	18.5	24.0	22.5	35.5	17.0	23.5	26	23.0	1.0	22	21.0	19.0	29	29.5	33	17.0	23
SHADOW	18.0	29.0	31	17.5	18	33.0	12.0	13.0	5.0	33.0	32.5	16.0	30.0	16	24.0	26.0	26	28.0	14.0	28	31.5	17	33.0	24
WILMA	11.0	28.0	29	21.0	20	10.0	17.0	31.0	9.0	22.5	26.5	36.0	35.0	23	19.0	36.0	23	30.0	26.5	27	18.0	20	16.0	25
DOVER (NK 82492)	26.0	25.0	24	27.0	29	22.0	36.0	17.0	29.0	6.0	5.0	30.0	33.0	13	11.5	29.0	36	31.5	23.0	20	27.5	19	26.0	26
BARLANDER (BAR FR 9F)	31.0	21.5	15	32.0	26	36.0	15.0	10.5	35.0	33.0	1.0	19.0	36.0	27	33.0	30.0	3	11.0	1.0	35	33.0	31	15.0	27
CAMARO	30.0	24.0	20	21.0	25	34.0	28.0	32.0	23.0	14.5	32.5	20.0	15.0	21	13.5	19.5	30	26.5	33.5	18	27.5	32	30.0	28
ERG 1143	24.0	35.0	30	29.5	24	15.0	29.0	5.0	34.0	1.5	25.0	31.0	28.0	22	27.5	21.0	34	26.5	4.0	24	24.5	25	29.0	29
RAYMOND	23.0	36.0	23	24.0	35	23.0	31.0	30.0	31.0	6.0	34.0	25.0	10.0	24	25.0	25.0	17	24.0	29.5	14	20.5	23	14.0	30
FERNANDO (HF 112)	20.0	14.0	22	34.0	31	32.0	33.5	22.0	19.5	33.0	23.5	33.0	9.0	29	34.0	35.0	8	4.0	11.5	10	23.0	35	9.0	31
PUMA	34.0	26.0	6	34.0	33	30.5	31.0	14.0	22.0	28.5	22.0	26.5	18.0	32	16.0	16.0	31	33.0	7.0	26	35.0	24	27.0	32
CAPITOL	32.0	27.0	35	31.0	28	27.0	23.0	35.0	27.0	14.5	12.5	26.5	32.0	35	27.5	13.0	27	21.0	8.0	36	12.0	27	28.0	33
SIMONE (LD 3485)	27.0	11.0	11	34.0	30	30.5	35.0	16.0	25.0	28.5	14.5	32.0	2.0	34	35.0	24.0	33	29.0	20.0	32	8.0	34	35.0	34
KOKET	22.0	34.0	25	21.0	27	26.0	18.5	24.0	32.0	28.5	29.0	35.0	31.0	31	29.0	32.0	35	36.0	33.5	25	34.0	36	34.0	35
BARNICA	35.0	33.0	13	26.0	34	35.0	26.0	20.5	33.0	28.5	35.5	34.0	34.0	36	26.0	34.0	32	31.5	25.0	34	31.5	30	31.0	36

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 1D.

2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 3E.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA 1/
1990-1993 DATA

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

NAME	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
WARWICK	.	3.0	.	.	.	.	4	6.0	.	.	.	3	3	3	.	3	2	.	.	12	.	7	6	1
SR 3100 (SRX 89-31)	1	2.0	14	1.0	1.0	2	11	1.0	8	3.0	2.0	2	7	1	4.0	8	10	17	4	3	1.0	1	3	2
DISCOVERY (PST-4HD)	2	4.0	18	9.0	8.0	1	1	7.0	7	7.5	3.0	1	2	2	9.5	1	1	2	1	1	17.5	2	10	3
SR 3000	3	7.5	2	7.5	4.0	10	12	5.0	18	13.0	6.0	8	8	13	2.0	14	4	6	3	10	3.0	3	2	4
RELIANT-W/ ENDOPHYTE	6	10.0	11	4.5	6.5	4	8	8.5	3	7.5	14.0	4	4	4	13.5	7	7	7	7	15	15.0	16	12	5
BRIGADE (MELODY)	8	6.0	13	2.0	2.0	3	7	12.0	14	7.5	18.0	5	11	7	4.0	5	18	1	11	8	12.0	4	16	6
AURORA W/ENDO. (PST-AUE)	10	11.0	8	11.0	13.0	11	6	11.0	5	3.0	10.0	7	5	8	1.0	2	6	16	12	7	16.0	15	14	7
AURORA	7	9.0	16	12.0	5.0	17	3	8.5	11	3.0	13.0	11	13	10	4.0	6	3	4	2	16	10.0	9	8	8
PST-4AG	9	12.5	12	10.0	6.5	7	5	14.0	16	7.5	4.0	15	1	15	9.5	9	5	4	6	9	14.0	11	18	9
RELIANT-NO ENDOPHYTE	5	12.5	1	7.5	11.0	12	2	17.0	6	13.0	5.0	6	12	16	7.0	17	9	10	13	13	5.0	18	11	10
BILJART	15	7.5	10	14.0	3.0	14	16	2.0	4	13.0	7.5	16	14	14	9.5	10	14	13	8	11	6.0	12	7	11
EUREKA	4	15.0	4	3.0	12.0	13	9	18.0	9	16.5	11.5	13	16	18	6.0	18	17	11	10	4	4.0	8	5	12
SILVANA	13	14.0	5	4.5	10.0	8	15	4.0	10	13.0	16.0	14	15	12	12.0	16	15	14	9	6	7.0	10	15	13
ATTILA	14	1.0	7	13.0	15.0	15	17	16.0	12	7.5	9.0	17	18	11	16.0	11	12	4	16	5	8.0	14	1	14
SERRA	12	16.0	3	18.0	17.0	5	10	10.0	17	7.5	1.0	12	10	9	13.5	15	19	9	14	14	9.0	5	17	15
VALDA	17	18.0	6	6.0	9.0	16	19	15.0	1	16.5	15.0	10	9	5	17.0	4	13	8	15	2	2.0	13	4	16
SCALDIS	16	17.0	17	15.0	18.0	9	14	3.0	13	1.0	11.5	9	6	6	15.0	12	11	12	17	18	11.0	6	13	17
BARDUR (BAR FO 9A2)	11	5.0	9	16.0	16.0	6	13	13.0	2	13.0	17.0	18	17	17	9.5	13	8	15	5	17	13.0	17	9	18
BARREPO	18	19.0	15	17.0	14.0	18	18	19.0	15	18.0	7.5	19	19	19	18.0	19	16	18	18	19	17.5	19	19	19

TABLE 3F.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA 1/
1990-1993 DATA

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

NAME	AL1	IA1	ID2	IL1	IL2	IN1	KY1	MD1	MI1	MN1	NE1	NJ1	NJ2	NJ3	OH2	OR2	OR9	PA1	PA2	RI1	SK1	UB1	WA1	MEAN
BIGHORN	1	1	1	1	1	1	1	2	2	1	1	1	2	1	2	1	1	1	1	2	1	1	1	1
MX 86	2	2	2	2	2	2	2	1	1	2	2	2	1	2	1	2	2	2	2	1	2	2	2	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 1E & 1F.

2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 4A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
FOR EACH YEAR IN THE U.S. AND CANADA
1990-1993 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/

NAME	1990	1991	1992	1993	1990-93	NAME	1990	1991	1992	1993	1990-93
WARWICK	6.35	5.73	6.33	5.85	5.97	MOLINDA	5.53	4.71	5.07	4.68	4.97
SR 3100 (SRX 89-31)	6.26	5.62	6.14	5.59	5.82	SHADOW	5.51	4.73	4.97	4.94	4.96
DISCOVERY (PST-4HD)	6.02	5.59	6.30	5.83	5.76	HERALD	5.50	4.60	4.90	5.06	4.95
SOUTHPORT	6.16	5.41	5.91	5.55	5.68	HF 138	5.52	4.61	4.77	4.99	4.93
BRIDGEPORT (N-105)	5.92	5.47	5.90	5.61	5.68	SMIRNA (ZW 42-160)	5.68	4.63	4.71	4.70	4.93
TIFFANY (PST-4CD)	6.22	5.47	5.81	5.45	5.67	BARCROWN	5.80	4.77	4.65	4.78	4.91
89.LKR	5.84	5.45	5.66	5.53	5.63	NAPOLI (LD 3488)	5.69	4.55	4.75	4.89	4.91
LONGFELLOW	5.95	5.46	5.73	5.42	5.62	MARKER	6.01	4.69	4.47	4.51	4.91
JAMESTOWN II	5.75	5.44	5.73	5.53	5.59	WILMA	5.51	4.64	4.77	4.68	4.90
PROFORMER (JMB-89)	5.89	5.28	5.67	5.50	5.56	VISTA	5.47	4.58	4.84	4.97	4.89
SR 5000	5.99	5.32	5.80	5.51	5.54	DOVER (NK 82492)	5.48	4.79	4.76	4.29	4.89
SR 3000	5.82	5.28	5.86	5.39	5.51	PST-4NI	5.33	4.51	4.93	5.15	4.88
RELIANT-W/ ENDOPHYTE	5.74	5.22	5.93	5.55	5.48	BARLANDER (BAR FR 9F)	5.60	4.65	4.71	4.64	4.87
SHADOW W/ENDO. (PST-SHE)	5.86	5.24	5.66	5.38	5.47	CAMARO	5.52	4.59	4.82	4.60	4.87
BRIGADE (MELODY)	5.80	5.31	5.87	5.23	5.46	ERG 1143	5.50	4.61	4.84	4.40	4.87
AURORA W/ENDO. (PST-AUE)	5.77	5.22	5.95	5.32	5.46	SHADEMASTER	5.38	4.55	4.76	5.00	4.86
AURORA	5.63	5.27	5.85	5.35	5.44	RAYMOND	5.57	4.55	4.77	4.53	4.85
DIGNITY (OFI 89-200)	6.17	5.10	5.50	5.21	5.41	FERNANDO (HF 112)	5.57	4.71	4.70	4.52	4.84
PST-4AG	5.66	5.18	5.85	5.25	5.40	PUMA	5.67	4.56	4.71	4.45	4.81
RELIANT-NO ENDOPHYTE	5.92	5.11	5.70	5.13	5.38	FLYER	5.35	4.36	4.79	5.02	4.81
PST-4FE	5.99	5.12	5.49	5.07	5.36	CAPITOL	5.55	4.53	4.58	4.55	4.81
BILJART	5.57	5.11	5.66	5.29	5.33	SIMONE (LD 3485)	5.54	4.53	4.66	4.48	4.79
EUREKA	5.65	5.02	5.74	5.07	5.30	BARSKOL (BAR FR 9P)	5.44	4.59	4.44	4.62	4.76
SILVANA	5.61	5.06	5.67	5.15	5.29	DAWSON	5.33	4.47	4.60	4.64	4.76
ATTLA	5.72	5.17	5.53	5.01	5.29	KOKET	5.29	4.44	4.70	4.24	4.67
SERRA	5.83	4.99	5.70	5.03	5.29	MX 86	5.08	4.30	5.12	4.72	4.67
VALDA	5.93	4.97	5.55	5.23	5.29	BARREPO	4.75	4.31	4.92	4.82	4.63
BARGREEN	5.87	5.11	5.06	4.95	5.26	BARNICA	5.12	4.44	4.56	4.30	4.62
EPSOM	5.78	5.00	5.11	5.15	5.22	BELVEDERE	4.91	4.11	4.71	4.76	4.55
SCALDIS	5.53	4.93	5.69	5.12	5.22	WW RS 138	5.17	4.25	4.46	4.72	4.54
BANNER	5.57	4.90	5.08	5.15	5.16	REVERE (NK 88001)	4.82	4.18	4.60	4.71	4.54
SEABREEZE (FRT-30149)	5.88	4.80	5.03	4.96	5.16	TALUS (ID 3438)	5.11	4.18	4.48	4.49	4.49
TROPHY (ESTORIL)	5.96	4.87	4.97	4.94	5.15	COMFORT (HF 102)	5.29	4.26	4.20	4.38	4.49
BARDUR (BAR FO 9A2)	5.72	5.05	5.33	4.79	5.12	COLLO (ID 3414)	4.69	4.05	4.56	4.77	4.46
PST-43F	5.73	4.78	5.00	5.42	5.11	CLAUDIA	4.75	4.06	4.40	4.61	4.40
BIGHORN	5.24	4.89	5.54	5.03	5.10	BARGENA II (BAR FR8RC3)	4.86	3.92	4.46	4.61	4.37
ENJOY	5.68	4.84	5.00	4.88	5.09	WW RS 143	4.80	3.98	4.37	4.59	4.34
WALDORF	5.62	4.83	5.18	4.80	5.09	ENSYLVA	4.52	3.90	4.53	4.74	4.34
PST-4R3	5.37	4.79	5.24	5.35	5.07	SYLVIA (WW RS 130)	4.67	3.98	4.33	4.57	4.33
JAMESTOWN	5.54	4.82	4.96	4.93	5.07	BARLOTTE	4.69	4.26	3.99	4.24	4.31
MARY	5.81	4.81	4.83	4.74	5.03	SUNSET (ZW 42-158)	4.85	3.96	4.28	4.46	4.30
JASPER	5.67	4.71	4.94	5.10	5.03	ELANOR	4.64	3.98	4.32	4.23	4.27
ATLANTA	5.53	4.70	5.05	4.89	5.02	BOREAL	4.59	3.88	4.39	4.51	4.25
PST-4C8	5.76	4.73	4.89	4.98	5.00	BARGENA	4.50	3.79	4.32	4.50	4.19
SALEM	5.72	4.64	5.05	5.07	4.99	SYLVESTER	4.33	3.81	4.20	4.29	4.17
RAINBOW	5.99	4.72	4.65	4.57	4.99	FRANKLIN	4.41	3.70	4.34	4.39	4.14
SCARLET	5.90	4.73	4.74	4.70	4.98						
CINDY	5.67	4.74	4.68	4.94	4.98	LS D VALUE	0.25	0.21	0.27	0.27	0.18

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. MEAN TURFGRASS QUALITY RATINGS OF CREEPING RED FESCUE CULTIVARS FOR EACH YEAR IN THE U.S. AND CANADA
1990-1993 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/

NAME	1990	1991	1992	1993	1990-93
PST-43F	5.73	4.78	5.00	5.42	5.11
PST-4R3	5.37	4.79	5.24	5.35	5.07
JASPER	5.67	4.71	4.94	5.10	5.03
PST-4C8	5.76	4.73	4.89	4.98	5.00
SALEM	5.72	4.64	5.05	5.07	4.99
CINDY	5.67	4.74	4.68	4.94	4.98
HERALD	5.50	4.60	4.90	5.06	4.95
VISTA	5.47	4.58	4.84	4.97	4.89
PST-4NI	5.33	4.51	4.93	5.15	4.88
SHADEMASTER	5.38	4.55	4.76	5.00	4.86
FLYER	5.35	4.36	4.79	5.02	4.81
BELVEDERE	4.91	4.11	4.71	4.76	4.55
WW RS 138	5.17	4.25	4.46	4.72	4.54
REVERE (NK 88001)	4.82	4.18	4.60	4.71	4.54
TALUS (LD 3438)	5.11	4.18	4.48	4.49	4.49
COLLO (LD 3414)	4.69	4.05	4.56	4.77	4.46
CLAUDIA	4.75	4.06	4.40	4.61	4.40
BARGENA II (BAR FR8RC3)	4.86	3.92	4.46	4.61	4.37
WW RS 143	4.80	3.98	4.37	4.59	4.34
ENSYLVA	4.52	3.90	4.53	4.74	4.34
SYLVIA (WW RS 130)	4.67	3.98	4.33	4.57	4.33
SUNSET (ZW 42-158)	4.85	3.96	4.28	4.46	4.30
ELANOR	4.64	3.98	4.32	4.23	4.27
BOREAL	4.59	3.88	4.39	4.51	4.25
BARGENA	4.50	3.79	4.32	4.50	4.19
SYLVESTER	4.33	3.81	4.20	4.29	4.17
FRANKLIN	4.41	3.70	4.34	4.39	4.14
LSD VALUE	0.2	0.2	0.3	0.2	0.17

TABLE 4C. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS FOR EACH YEAR IN THE U.S. AND CANADA
1990-1993 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/

NAME	1990	1991	1992	1993	1990-93
SEABREEZE (FRT-30149)	5.88	4.80	5.03	4.96	5.16
HF 138	5.52	4.61	4.77	4.99	4.93
SMIRNA (ZW 42-160)	5.68	4.63	4.71	4.70	4.93
BARCROWN	5.80	4.77	4.65	4.78	4.91
NAPOLI (LD 3488)	5.69	4.55	4.75	4.89	4.91
MARKER	6.01	4.69	4.47	4.51	4.91
BARSKOL (BAR FR 9P)	5.44	4.59	4.44	4.62	4.76
DAWSON	5.33	4.47	4.60	4.64	4.76
COMFORT (HF 102)	5.29	4.26	4.20	4.38	4.49
BARLOTTE	4.69	4.26	3.99	4.24	4.31
LSD VALUE	0.3	0.2	0.3	0.3	0.21

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. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
FOR EACH YEAR IN THE U.S. AND CANADA
1990-1993 DATA

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

NAME	1990	1991	1992	1993	1990-93
SOUTHPORT	6.16	5.41	5.91	5.55	5.68
BRIDGEPORT (N-105)	5.92	5.47	5.90	5.61	5.68
TIFFANY (PST-4CD)	6.22	5.47	5.81	5.45	5.67
89.LKR	5.84	5.45	5.66	5.53	5.63
LONGFELLOW	5.95	5.46	5.73	5.42	5.62
JAMESTOWN II	5.75	5.44	5.73	5.53	5.59
PROFORMER (JMB-89)	5.89	5.28	5.67	5.50	5.56
SR 5000	5.99	5.32	5.80	5.51	5.54
SHADOW W/ENDO. (PST-SHE)	5.86	5.24	5.66	5.38	5.47
DIGNITY (OFI 89-200)	6.17	5.10	5.50	5.21	5.41
PST-4FE	5.99	5.12	5.49	5.07	5.36
BARGREEN	5.87	5.11	5.06	4.95	5.26
EPSOM	5.78	5.00	5.11	5.15	5.22
BANNER	5.57	4.90	5.08	5.15	5.16
TROPHY (ESTORIL)	5.96	4.87	4.97	4.94	5.15
ENJOY	5.68	4.84	5.00	4.88	5.09
WALDORF	5.62	4.83	5.18	4.80	5.09
JAMESTOWN	5.54	4.82	4.96	4.93	5.07
MARY	5.81	4.81	4.83	4.74	5.03
ATLANTA	5.53	4.70	5.05	4.89	5.02
RAINBOW	5.99	4.72	4.65	4.57	4.99
SCARLET	5.90	4.73	4.74	4.70	4.98
MOLINDA	5.53	4.71	5.07	4.68	4.97
SHADOW	5.51	4.73	4.97	4.94	4.96
WILMA	5.51	4.64	4.77	4.68	4.90
DOVER (NK 82492)	5.48	4.79	4.76	4.29	4.89
BARLANDER (BAR FR 9F)	5.60	4.65	4.71	4.64	4.87
CAMARO	5.52	4.59	4.82	4.60	4.87
ERG 1143	5.50	4.61	4.84	4.40	4.87
RAYMOND	5.57	4.55	4.77	4.53	4.85
FERNANDO (HF 112)	5.57	4.71	4.70	4.52	4.84
PUMA	5.67	4.56	4.71	4.45	4.81
CAPITOL	5.55	4.53	4.58	4.55	4.81
SIMONE (LD 3485)	5.54	4.53	4.66	4.48	4.79
KOKET	5.29	4.44	4.70	4.24	4.67
BARNICA	5.12	4.44	4.56	4.30	4.62
LSD VALUE	0.2	0.2	0.3	0.3	0.17

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. MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
FOR EACH YEAR IN THE U.S. AND CANADA
1990-1993 DATA

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

NAME	1990	1991	1992	1993	1990-93
WARWICK	6.35	5.73	6.33	5.85	5.97
SR 3100 (SRX 89-31)	6.26	5.62	6.14	5.59	5.82
DISCOVERY (PST-4HD)	6.02	5.59	6.30	5.83	5.76
SR 3000	5.82	5.28	5.86	5.39	5.51
RELIANT-W/ ENDOPHYTE	5.74	5.22	5.93	5.55	5.48
BRIGADE (MELODY)	5.80	5.31	5.87	5.23	5.46
AURORA W/ENDO. (PST-AUE)	5.77	5.22	5.95	5.32	5.46
AURORA	5.63	5.27	5.85	5.35	5.44
PST-4AG	5.66	5.18	5.85	5.25	5.40
RELIANT-NO ENDOPHYTE	5.92	5.11	5.70	5.13	5.38
BILJART	5.57	5.11	5.66	5.29	5.33
EUREKA	5.65	5.02	5.74	5.07	5.30
SILVANA	5.61	5.06	5.67	5.15	5.29
ATTILA	5.72	5.17	5.53	5.01	5.29
SERRA	5.83	4.99	5.70	5.03	5.29
VALDA	5.93	4.97	5.55	5.23	5.29
SCALDIS	5.53	4.93	5.69	5.12	5.22
BARDUR (BAR FO 9A2)	5.72	5.05	5.33	4.79	5.12
BARREPPPO	4.75	4.31	4.92	4.82	4.63
LSD VALUE	0.3	0.2	0.3	0.3	0.18

TABLE 4F. MEAN TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS
FOR EACH YEAR IN THE U.S. AND CANADA
1990-1993 DATA

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

NAME	1990	1991	1992	1993	1990-93
BIGHORN	5.24	4.89	5.54	5.03	5.10
MX 86	5.08	4.30	5.12	4.72	4.67
LSD VALUE	0.2	0.2	0.2	0.3	0.16

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.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
FOR EACH YEAR IN THE U.S. AND CANADA 1/
1990-1993 DATA
QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING 2/

NAME	1990	1991	1992	1993	1990-93	NAME	1990	1991	1992	1993	1990
WARWICK	1	1	1	1	1	CINDY	41	44	69	45	48
SR 3100 (SRX 89-31)	2	2	3	4	2	MOLINDA	57	51	36	65	49
DISCOVERY (PST-4HD)	6	3	2	2	3	SHADOW	60	46	44	47	50
SOUTHPORT	5	9	6	6	4	HERALD	62	60	49	34	51
BRIDGEPORT (N-105)	15	5	7	3	5	HF 138	59	58	58	40	52
TIFFANY (PST-4CD)	3	4	12	11	6	SMIRNA (ZW 42-160)	37	57	66	63	53
89.LKR	21	7	23	7	7	BARCROWN	26	43	72	55	54
LONGFELLOW	12	6	15	13	8	NAPOLI (LD 3488)	36	65	61	50	55
JAMESTOWN II	30	8	16	8	9	MARKER	7	53	80	79	56
PROFORMER (JMB-89)	17	13	20	10	10	WIIMA	61	56	56	66	57
SR 5000	10	10	13	9	11	VISTA	65	63	51	42	58
SR 3000	23	12	9	14	12	DOVER (NK 82492)	64	41	60	91	59
RELIANT-W/ ENDOPHYTE	31	17	5	5	13	PST-4NI	71	70	47	24	60
SHADOW W/ENDO. (PST-SHE)	20	15	22	15	14	BARLANDER (BAR FR 9F)	47	54	65	67	61
BRIGADE (MELODY)	25	11	8	21	15	CAMARO	58	61	54	72	62
AURORA W/ENDO. (PST-AUE)	28	16	4	18	16	ERG 1143	63	59	52	86	63
AURORA	44	14	11	16	17	SHADEMASTER	67	67	59	39	64
DIGNITY (OFI 89-200)	4	24	28	23	18	RAYMOND	50	66	57	77	65
PST-4AG	42	18	10	20	19	FERNANDO (HF 112)	51	50	68	78	66
RELIANT-NO ENDOPHYTE	14	22	17	28	20	PUMA	39	64	64	85	67
PST-4FE	9	20	29	32	21	FLYER	69	74	55	37	68
BILJART	48	23	24	19	22	CAPITOL	52	68	75	76	69
EUREKA	43	27	14	33	23	SIMONE (LD 3485)	53	69	70	83	70
SILVANA	46	25	21	25	24	BARSKOL (BAR FR 9P)	66	62	83	69	71
ATTILA	35	19	27	38	25	DAWSON	70	71	73	68	72
SERRA	22	29	18	36	26	KOKET	72	73	67	93	73
VALDA	13	30	25	22	27	MX 86	78	76	33	60	74
BARGREEN	19	21	37	44	28	BARREPPPO	84	75	48	52	75
EPSOM	27	28	34	27	29	BARNICA	76	72	77	89	76
SCALDIS	55	31	19	29	30	BELVEDERE	79	82	63	57	77
BANNER	49	32	35	26	31	WW RS 138	75	79	81	61	78
SEABREEZE (FRT-30149)	18	39	40	43	32	REVERE (NK 88001)	82	80	74	62	79
TROPHY (ESTORIL)	11	34	43	46	33	TAIUS (LD 3438)	77	81	79	82	80
BARDUR (BAR FO 9A2)	33	26	30	54	34	COMFORT (HF 102)	73	78	93	88	81
PST-43F	32	42	42	12	35	COLLO (LD 3414)	86	84	76	56	82
BIGHORN	74	33	26	35	36	CLAUDIA	85	83	84	70	83
ENJOY	38	35	41	51	37	BARGENA II (BAR FR8RC3)	80	89	82	71	84
WALDORF	45	36	32	53	38	WW RS 143	83	87	86	73	85
PST-4R3	68	40	31	17	39	ENSYLVA	91	90	78	59	86
JAMESTOWN	54	37	45	48	40	SYLVIA (WW RS 130)	88	86	88	74	87
MARY	24	38	53	58	41	BARLOTTE	87	77	94	92	88
JASPER	40	49	46	30	42	SUNSET (ZW 42-158)	81	88	91	84	89
ATLANTA	56	52	39	49	43	ELANOR	89	85	90	94	90
PST-4C8	29	45	50	41	44	BOREAL	90	91	85	80	91
SALEM	34	55	38	31	45	BARGENA	92	93	89	81	92
RAINBOW	8	48	71	75	46	SYLVESTER	94	92	92	90	93
SCARLET	16	47	62	64	47	FRANKLIN	93	94	87	87	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 4A.
- 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 5B. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF CREEPING RED FESCUE CULTIVARS
FOR EACH YEAR IN THE U.S. AND CANADA 1/
1990-1993 DATA
QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING 2/

NAME	1990	1991	1992	1993	1990-93
PST-43F	2	2	3	1	1
PST-4R3	9	1	1	2	2
JASPER	4	5	4	4	3
PST-4C8	1	4	7	9	4
SALEM	3	6	2	5	5
CINDY	5	3	12	11	6
HERALD	6	7	6	6	7
VISTA	7	8	8	10	8
PST-4NI	11	10	5	3	9
SHADEMASTER	8	9	10	8	10
FLYER	10	11	9	7	11
BELVEDERE	14	15	11	13	12
WW RS 138	12	12	17	15	13
REVERE (NK 88001)	17	13	13	16	14
TALUS (LD 3438)	13	14	16	23	15
COLLO (LD 3414)	20	17	14	12	16
CLAUDIA	19	16	19	17	17
BARGENA II (BAR FR8RC3)	15	22	18	18	18
WW RS 143	18	20	21	19	19
ENSYLVA	24	23	15	14	20
SYLVIA (WW RS 130)	21	19	23	20	21
SUNSET (ZW 42-158)	16	21	26	24	22
ELANOR	22	18	25	27	23
BOREAL	23	24	20	21	24
BARGENA	25	26	24	22	25
SYLVESTER	27	25	27	26	26
FRANKLIN	26	27	22	25	27

TABLE 5C. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
FOR EACH YEAR IN THE U.S. AND CANADA 1/
1990-1993 DATA
QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING 2/

NAME	1990	1991	1992	1993	1990-93
SEABREEZE (ERT-30149)	2	1	1	2	1
HF 138	6	5	2	1	2
SMIRNA (ZW 42-160)	5	4	4	5	3
BARCROWN	3	2	5	4	4
NAPOLI (LD 3488)	4	7	3	3	5
MARKER	1	3	7	8	6
BARSKOL (BAR FR 9P)	7	6	8	7	7
DAWSON	8	8	6	6	8
COMFORT (HF 102)	9	10	9	9	9
BARLOTTE	10	9	10	10	10

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 4B & 4C.

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 5D. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS FOR EACH YEAR IN THE U.S. AND CANADA 1/ 1990-1993 DATA

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

NAME	1990	1991	1992	1993	1990-93
SOUTHPORT	3	6	1	2	1
BRIDGEPORT (N-105)	9	2	2	1	2
TIFFANY (PST-4CD)	1	1	3	7	3
89.LKR	14	4	9	3	4
LONGFELLOW	8	3	5	8	5
JAMESTOWN II	17	5	6	4	6
PROFORMER (JMB-89)	11	8	7	6	7
SR 5000	6	7	4	5	8
SHADOW W/ENDO. (PST-SHE)	13	9	8	9	9
DIGNITY (OFI 89-200)	2	12	10	10	10
PST-4FE	5	10	11	13	11
BARGREEN	12	11	16	14	12
EPSOM	16	13	13	12	13
BANNER	22	14	14	11	14
TROPHY (ESTORIL)	7	15	19	15	15
ENJOY	18	16	18	19	16
WALDORF	20	17	12	20	17
JAMESTOWN	27	18	21	17	18
MARY	15	19	23	21	19
ATLANTA	28	26	17	18	20
RAINBOW	4	23	34	27	21
SCARLET	10	22	28	22	22
MOLINDA	29	25	15	23	23
SHADOW	31	21	20	16	24
WILMA	32	28	25	24	25
DOVER (NK 82492)	34	20	27	35	26
BARLANDER (BAR FR 9F)	21	27	30	25	27
CAMARO	30	30	24	26	28
ERG 1143	33	29	22	33	29
RAYMOND	23	32	26	29	30
FERNANDO (HF 112)	24	24	32	30	31
PUMA	19	31	29	32	32
CAPITOL	25	33	35	28	33
SIMONE (LD 3485)	26	34	33	31	34
KOKET	35	36	31	36	35
BARNICA	36	35	36	34	36

- 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 4D.
- 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 5E. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS FOR EACH YEAR IN THE U.S. AND CANADA 1/ 1990-1993 DATA

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

NAME	1990	1991	1992	1993	1990-93
WARWICK	1	1	1	1	1
SR 3100 (SRX 89-31)	2	2	3	3	2
DISCOVERY (PST-4HD)	3	3	2	2	3
SR 3000	7	5	7	5	4
RELIANT-W/ ENDOPHYTE	10	8	5	4	5
BRIGADE (MELODY)	8	4	6	10	6
AURORA W/ENDO. (PST-AUE)	9	7	4	7	7
AURORA	15	6	9	6	8
PST-4AG	13	9	8	9	9
RELIANT-NO ENDOPHYTE	5	11	11	13	10
BILJART	17	12	15	8	11
EUREKA	14	15	10	15	12
SILVANA	16	13	14	12	13
ATTILA	12	10	17	17	14
SERRA	6	16	12	16	15
VALDA	4	17	16	11	16
SCALDIS	18	18	13	14	17
BARDUR (BAR FO 9A2)	11	14	18	19	18
BARREPPPO	19	19	19	18	19

TABLE 5F. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS FOR EACH YEAR IN THE U.S. AND CANADA 1/ 1990-1993 DATA

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

NAME	1990	1991	1992	1993	1990-93
BIGHORN	1	1	1	1	1
MX 86	2	2	2	2	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 4E & 4F.

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 6A. GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS
1990-1993 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/									MEAN
	AL1	ID2	NE1	NJ1	NJ2	OH2	OR9	PA1	PA2	
MARKER	3.7	7.8	6.2	8.7	7.7	8.0	7.0	8.5	7.0	7.2
SR 3100 (SRX 89-31)	6.0	6.8	5.8	8.3	7.7	8.0	6.7	6.3	7.2	7.0
BARREPPPO	5.7	6.3	6.2	8.7	6.7	8.0	6.4	7.3	7.2	6.9
WARWICK	.	.	.	6.3	7.3	.	.	.	.	6.8
ATTILA	4.7	6.9	5.7	8.0	7.3	8.0	6.4	7.0	6.8	6.8
BIGHORN	4.7	6.9	6.5	8.7	5.7	8.0	6.8	6.5	7.1	6.7
DISCOVERY (PST-4HD)	5.3	6.3	5.7	8.0	7.3	8.0	6.3	6.3	6.6	6.7
AURORA W/ENDO. (PST-AUE)	5.0	6.5	6.0	8.0	7.7	7.7	6.2	6.2	6.4	6.6
SILVANA	5.7	6.4	5.5	8.7	6.7	7.3	6.2	6.2	6.6	6.6
BRIGADE (MELODY)	5.0	6.1	5.7	8.0	8.0	7.3	6.3	6.2	6.4	6.6
VALDA	4.3	6.7	5.8	8.3	6.0	8.0	6.0	6.8	6.6	6.5
SR 3000	5.0	6.7	5.7	7.3	7.3	7.7	6.6	5.7	6.2	6.5
SERRA	4.3	6.7	6.5	7.7	7.0	7.7	6.6	4.8	6.6	6.4
MX 86	3.7	6.0	5.8	8.3	6.7	8.0	6.4	6.0	6.7	6.4
AURORA	4.3	6.6	5.8	7.3	7.0	8.0	6.2	6.0	6.2	6.4
SCALDIS	4.3	6.4	5.7	8.0	7.0	7.3	6.3	5.8	6.4	6.4
PST-4AG	5.0	6.4	5.5	7.3	6.3	7.7	6.3	6.2	6.3	6.3
RELIANT-NO ENDOPHYTE	4.3	6.9	5.3	7.3	7.0	7.3	6.4	5.8	6.4	6.3
RELIANT-W/ ENDOPHYTE	4.7	6.2	5.5	6.7	7.7	7.3	6.1	6.0	6.7	6.3
BARDUR (BAR FO 9A2)	6.3	6.4	5.2	5.0	7.7	7.3	5.9	6.2	6.7	6.3
BARLANDER (BAR FR 9F)	4.0	6.4	6.5	6.3	5.7	7.0	5.6	7.3	7.0	6.2
ERG 1143	4.7	7.0	5.5	6.3	4.7	7.7	6.4	6.5	6.7	6.2
EUREKA	4.7	6.2	5.3	7.3	6.7	7.3	5.9	5.7	6.0	6.1
BILJART	4.3	6.4	5.2	7.0	7.0	7.0	6.0	6.0	6.2	6.1
JASPER	3.0	6.3	6.2	6.0	5.7	7.7	6.3	7.3	6.6	6.1
PST-4R3	2.7	6.4	6.0	6.3	6.3	7.3	6.8	6.8	6.3	6.1
TALUS (LD 3438)	3.0	6.8	6.5	6.3	5.7	7.0	5.9	7.3	6.4	6.1
LONGFELLOW	4.3	6.2	5.5	7.3	5.0	7.0	6.6	6.5	6.3	6.1
PST-43F	3.0	6.6	6.0	6.3	5.7	7.0	6.7	7.0	6.4	6.1
SALEM	3.3	6.5	6.2	7.0	5.0	7.3	5.9	7.2	6.3	6.1
BELVEDERE	2.7	6.3	6.0	7.0	6.0	7.3	5.6	7.5	6.3	6.1
PST-4C8	3.3	6.4	5.8	5.7	6.0	7.0	6.7	7.2	6.4	6.1
FLYER	2.7	6.5	6.2	6.7	5.3	7.0	6.2	7.5	6.4	6.1
DIGNITY (OFI 89-200)	5.0	6.9	5.8	5.7	4.7	7.0	6.6	6.3	6.4	6.0
89.LKR	.	.	5.8	5.7	5.3	.	6.4	6.2	6.7	6.0
DOVER (NK 82492)	3.3	6.2	6.5	7.0	4.3	7.0	6.4	6.5	6.3	6.0
TIFFANY (PST-4CD)	4.0	6.6	5.8	5.3	5.7	7.0	6.9	5.8	6.4	6.0
PST-4NI	2.7	6.6	5.8	6.0	6.0	7.0	6.3	6.7	6.2	5.9
PST-4FE	4.3	6.4	6.0	5.3	5.3	7.0	6.2	5.8	6.6	5.9
BARGREEN	4.3	6.4	6.0	4.3	6.0	7.0	6.1	6.3	6.4	5.9
SHADEMASTER	2.7	6.1	5.8	6.7	6.0	7.0	5.9	6.3	6.2	5.9
SOUTHPORT	4.0	6.4	5.8	5.7	4.7	7.0	6.6	6.3	6.2	5.9
SEABREEZE (FRT-30149)	2.7	6.6	5.5	5.3	7.3	7.0	5.4	6.5	6.3	5.9
BRIDGEPORT (N-105)	4.0	6.4	5.7	5.0	5.3	7.0	6.6	6.2	6.2	5.8
VISTA	3.0	6.0	6.2	6.3	6.0	7.0	5.6	6.0	6.0	5.8
RAYMOND	3.3	6.6	5.7	4.7	5.3	7.0	6.6	6.3	6.6	5.8
WILMA	4.0	6.1	5.7	5.7	4.7	7.0	6.2	6.3	6.3	5.8
SHADOW W/ENDO. (PST-SHE)	3.7	6.8	5.8	5.0	4.3	7.0	6.7	6.2	6.6	5.8
TROPHY (ESTORIL)	5.0	6.2	5.7	5.0	5.3	7.0	5.4	6.0	6.3	5.8

TABLE 6A.
(CONTINUED)

GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS
1990-1993 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	AL1	ID2	NE1	NJ1	NJ2	OH2	OR9	PA1	PA2	MEAN
BANNER	4.0	6.2	5.7	5.7	4.7	7.0	6.4	5.8	6.4	5.8
CLAUDIA	2.7	6.1	6.0	5.3	5.7	7.0	6.2	6.5	6.3	5.8
ELANOR	3.3	6.4	5.8	4.3	5.7	7.0	6.3	6.8	6.0	5.8
JAMESTOWN	3.7	6.3	6.0	4.7	5.7	7.0	6.3	5.7	6.4	5.7
BARCROWN	3.3	6.3	5.2	6.0	6.3	6.7	4.7	7.0	6.1	5.7
COLLO (LD 3414)	3.0	6.3	5.7	4.7	5.7	7.0	5.7	7.2	6.3	5.7
BARSKOL (BAR FR 9P)	2.7	5.9	5.0	6.0	7.3	6.7	4.8	6.7	6.3	5.7
BARGENA II (BAR FR8RC3)	3.0	5.9	5.8	5.3	5.7	7.0	5.9	6.3	6.3	5.7
NAPOLI (LD 3488)	3.3	6.5	5.3	4.7	6.3	7.0	5.1	6.5	6.4	5.7
FRANKLIN	2.7	6.3	6.2	5.3	5.3	7.0	5.7	6.3	6.2	5.7
DAWSON	4.3	6.0	5.3	4.7	6.3	7.0	4.6	6.7	6.1	5.7
REVERE (NK 88001)	3.3	6.3	5.3	5.0	6.0	7.3	5.7	6.3	.	5.7
MOLINDA	3.0	6.0	6.0	5.0	5.0	7.0	6.6	5.8	6.4	5.6
ENJOY	4.0	6.2	5.8	4.7	5.0	7.0	6.1	5.7	6.3	5.6
WW RS 138	2.7	6.0	6.2	4.3	6.0	6.3	6.0	6.8	6.3	5.6
SCARLET	3.3	6.0	6.0	4.0	5.3	7.0	5.7	6.3	6.8	5.6
CAPITOL	3.0	6.0	5.8	5.0	5.7	7.0	5.7	5.7	6.6	5.6
SHADOW	3.0	6.6	5.8	4.7	4.0	7.0	6.7	6.2	6.4	5.6
SYLVESTER	2.3	5.5	5.8	5.7	5.3	7.0	6.0	6.2	6.2	5.6
HF 138	3.0	6.0	5.8	5.7	5.7	7.0	5.2	5.5	6.1	5.6
WALDORF	3.3	6.4	5.3	5.3	4.7	6.7	5.8	6.0	6.3	5.5
MARY	3.7	6.3	6.2	4.0	5.0	7.0	5.4	5.8	6.4	5.5
SUNSET (ZW 42-158)	3.0	6.1	6.0	4.0	5.0	7.0	6.1	6.3	6.0	5.5
BOREAL	3.0	6.1	6.0	4.3	5.0	7.0	6.0	6.0	6.1	5.5
JAMESTOWN II	3.7	5.8	5.7	4.3	5.3	6.7	6.3	5.7	6.1	5.5
RAINBOW	3.7	6.4	5.5	3.7	6.0	6.7	5.7	5.3	6.4	5.5
MIRNA (ZW 42-160)	3.3	6.1	4.8	4.7	6.7	7.0	5.0	6.0	.	5.5
PROFORMER (JMB-89)	3.3	5.9	6.0	4.3	4.3	6.7	6.2	6.0	6.2	5.4
SYLVIA (WW RS 130)	2.7	6.0	5.7	4.7	5.7	6.7	5.7	6.0	6.0	5.4
SR 5000	3.7	6.6	5.3	3.7	4.7	7.0	6.6	5.5	6.0	5.4
CAMARO	3.0	5.8	5.8	4.3	5.0	7.0	5.9	5.7	6.3	5.4
SIMONE (LD 3485)	3.7	5.9	5.8	3.7	5.0	7.0	5.8	5.2	6.4	5.4
ENSYLVA	2.3	5.6	5.8	4.0	5.3	7.0	6.0	5.7	6.3	5.3
ATLANTA	3.3	6.3	5.7	4.0	4.3	6.7	5.2	6.0	6.3	5.3
CINDY	3.0	5.6	5.7	3.0	5.3	6.7	5.9	5.8	6.2	5.2
KOKET	4.3	5.6	6.0	3.3	4.7	6.0	5.8	5.3	6.2	5.2
PUMA	3.0	5.9	5.7	3.3	5.3	7.0	6.0	4.5	6.4	5.2
BARGENA	2.7	5.9	5.5	3.7	4.7	6.7	6.2	5.8	5.8	5.2
HERALD	3.7	6.0	5.0	3.0	5.0	7.0	5.6	5.0	5.9	5.1
BARNICA	3.0	5.4	5.3	3.0	5.0	6.7	5.7	4.8	6.1	5.0
COMFORT (HF 102)	3.0	5.1	4.8	3.3	6.7	6.3	4.8	5.0	5.9	5.0
FERNANDO (HF 112)	3.7	5.4	5.2	3.0	4.7	6.0	5.6	5.2	6.1	5.0
WW RS 143	2.7	5.4	5.0	2.7	5.0	7.0	5.4	4.7	5.7	4.8
EPSOM	3.3	5.3	4.8	3.0	5.0	6.0	4.8	4.8	.	4.6
BARLOTTE	2.3	5.3	4.5	2.3	6.0	6.0	4.4	4.2	5.6	4.5
LSD VALUE	1.0	0.7	0.7	1.1	1.1	0.5	0.9	0.9	0.7	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 6B. GENETIC COLOR RATINGS OF CREEPING RED FESCUE CULTIVARS
1990-1993 DATA
GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/

NAME	AL1	ID2	NE1	NJ1	NJ2	OH2	OR9	PA1	PA2	MEAN
JASPER	3.0	6.3	6.2	6.0	5.7	7.7	6.3	7.3	6.6	6.1
PST-4R3	2.7	6.4	6.0	6.3	6.3	7.3	6.8	6.8	6.3	6.1
TALUS (LD 3438)	3.0	6.8	6.5	6.3	5.7	7.0	5.9	7.3	6.4	6.1
PST-43F	3.0	6.6	6.0	6.3	5.7	7.0	6.7	7.0	6.4	6.1
SALEM	3.3	6.5	6.2	7.0	5.0	7.3	5.9	7.2	6.3	6.1
BELVEDERE	2.7	6.3	6.0	7.0	6.0	7.3	5.6	7.5	6.3	6.1
PST-4C8	3.3	6.4	5.8	5.7	6.0	7.0	6.7	7.2	6.4	6.1
FLYER	2.7	6.5	6.2	6.7	5.3	7.0	6.2	7.5	6.4	6.1
PST-4NI	2.7	6.6	5.8	6.0	6.0	7.0	6.3	6.7	6.2	5.9
SHADEMASTER	2.7	6.1	5.8	6.7	6.0	7.0	5.9	6.3	6.2	5.9
VISTA	3.0	6.0	6.2	6.3	6.0	7.0	5.6	6.0	6.0	5.8
CLAUDIA	2.7	6.1	6.0	5.3	5.7	7.0	6.2	6.5	6.3	5.8
ELANOR	3.3	6.4	5.8	4.3	5.7	7.0	6.3	6.8	6.0	5.8
COLLO (LD 3414)	3.0	6.3	5.7	4.7	5.7	7.0	5.7	7.2	6.3	5.7
BARGENA II (BAR FR8RC3)	3.0	5.9	5.8	5.3	5.7	7.0	5.9	6.3	6.3	5.7
FRANKLIN	2.7	6.3	6.2	5.3	5.3	7.0	5.7	6.3	6.2	5.7
REVERE (NK 88001)	3.3	6.3	5.3	5.0	6.0	7.3	5.7	6.3	.	5.7
WW RS 138	2.7	6.0	6.2	4.3	6.0	6.3	6.0	6.8	6.3	5.6
SYLVESTER	2.3	5.5	5.8	5.7	5.3	7.0	6.0	6.2	6.2	5.6
SUNSET (ZW 42-158)	3.0	6.1	6.0	4.0	5.0	7.0	6.1	6.3	6.0	5.5
BOREAL	3.0	6.1	6.0	4.3	5.0	7.0	6.0	6.0	6.1	5.5
SYLVIA (WW RS 130)	2.7	6.0	5.7	4.7	5.7	6.7	5.7	6.0	6.0	5.4
ENSYLVA	2.3	5.6	5.8	4.0	5.3	7.0	6.0	5.7	6.3	5.3
CINDY	3.0	5.6	5.7	3.0	5.3	6.7	5.9	5.8	6.2	5.2
BARGENA	2.7	5.9	5.5	3.7	4.7	6.7	6.2	5.8	5.8	5.2
HERALD	3.7	6.0	5.0	3.0	5.0	7.0	5.6	5.0	5.9	5.1
WW RS 143	2.7	5.4	5.0	2.7	5.0	7.0	5.4	4.7	5.7	4.8
LSD VALUE	0.8	0.7	0.7	1.3	1.0	0.5	0.8	1.1	0.6	0.3

TABLE 6C. GENETIC COLOR RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1990-1993 DATA
GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/

NAME	AL1	ID2	NE1	NJ1	NJ2	OH2	OR9	PA1	PA2	MEAN
MARKER	3.7	7.8	6.2	8.7	7.7	8.0	7.0	8.5	7.0	7.2
SEABREEZE (FRT-30149)	2.7	6.6	5.5	5.3	7.3	7.0	5.4	6.5	6.3	5.9
BARCROWN	3.3	6.3	5.2	6.0	6.3	6.7	4.7	7.0	6.1	5.7
BARSKOL (BAR FR 9P)	2.7	5.9	5.0	6.0	7.3	6.7	4.8	6.7	6.3	5.7
NAPOLI (LD 3488)	3.3	6.5	5.3	4.7	6.3	7.0	5.1	6.5	6.4	5.7
DAWSON	4.3	6.0	5.3	4.7	6.3	7.0	4.6	6.7	6.1	5.7
HF 138	3.0	6.0	5.8	5.7	5.7	7.0	5.2	5.5	6.1	5.6
SMIRNA (ZW 42-160)	3.3	6.1	4.8	4.7	6.7	7.0	5.0	6.0	.	5.5
COMFORT (HF 102)	3.0	5.1	4.8	3.3	6.7	6.3	4.8	5.0	5.9	5.0
BARLOTTE	2.3	5.3	4.5	2.3	6.0	6.0	4.4	4.2	5.6	4.5
LSD VALUE	1.0	0.7	0.8	1.0	1.0	0.5	0.7	1.0	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 6D. GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS
1990-1993 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/									MEAN
	AL1	ID2	NE1	NJ1	NJ2	OH2	OR9	PA1	PA2	
BARLANDER (BAR FR 9F)	4.0	6.4	6.5	6.3	5.7	7.0	5.6	7.3	7.0	6.2
ERG 1143	4.7	7.0	5.5	6.3	4.7	7.7	6.4	6.5	6.7	6.2
LONGFELLOW	4.3	6.2	5.5	7.3	5.0	7.0	6.6	6.5	6.3	6.1
DIGNITY (OFI 89-200)	5.0	6.9	5.8	5.7	4.7	7.0	6.6	6.3	6.4	6.0
89.LKR	.	.	5.8	5.7	5.3	.	6.4	6.2	6.7	6.0
DOVER (NK 82492)	3.3	6.2	6.5	7.0	4.3	7.0	6.4	6.5	6.3	6.0
TIFFANY (PST-4CD)	4.0	6.6	5.8	5.3	5.7	7.0	6.9	5.8	6.4	6.0
PST-4FE	4.3	6.4	6.0	5.3	5.3	7.0	6.2	5.8	6.6	5.9
BARGREEN	4.3	6.4	6.0	4.3	6.0	7.0	6.1	6.3	6.4	5.9
SOUTHPORT	4.0	6.4	5.8	5.7	4.7	7.0	6.6	6.3	6.2	5.9
BRIDGEPORT (N-105)	4.0	6.4	5.7	5.0	5.3	7.0	6.6	6.2	6.2	5.8
RAYMOND	3.3	6.6	5.7	4.7	5.3	7.0	6.6	6.3	6.6	5.8
WILMA	4.0	6.1	5.7	5.7	4.7	7.0	6.2	6.3	6.3	5.8
SHADOW W/ENDO. (PST-SHE)	3.7	6.8	5.8	5.0	4.3	7.0	6.7	6.2	6.6	5.8
TROPHY (ESTORIL)	5.0	6.2	5.7	5.0	5.3	7.0	5.4	6.0	6.3	5.8
BANNER	4.0	6.2	5.7	5.7	4.7	7.0	6.4	5.8	6.4	5.8
JAMESTOWN	3.7	6.3	6.0	4.7	5.7	7.0	6.3	5.7	6.4	5.7
MOLINDA	3.0	6.0	6.0	5.0	5.0	7.0	6.6	5.8	6.4	5.6
ENJOY	4.0	6.2	5.8	4.7	5.0	7.0	6.1	5.7	6.3	5.6
SCARLET	3.3	6.0	6.0	4.0	5.3	7.0	5.7	6.3	6.8	5.6
CAPITOL	3.0	6.0	5.8	5.0	5.7	7.0	5.7	5.7	6.6	5.6
SHADOW	3.0	6.6	5.8	4.7	4.0	7.0	6.7	6.2	6.4	5.6
WALDORF	3.3	6.4	5.3	5.3	4.7	6.7	5.8	6.0	6.3	5.5
MARY	3.7	6.3	6.2	4.0	5.0	7.0	5.4	5.8	6.4	5.5
JAMESTOWN II	3.7	5.8	5.7	4.3	5.3	6.7	6.3	5.7	6.1	5.5
RAINBOW	3.7	6.4	5.5	3.7	6.0	6.7	5.7	5.3	6.4	5.5
PROFORMER (JMB-89)	3.3	5.9	6.0	4.3	4.3	6.7	6.2	6.0	6.2	5.4
SR 5000	3.7	6.6	5.3	3.7	4.7	7.0	6.6	5.5	6.0	5.4
CAMARO	3.0	5.8	5.8	4.3	5.0	7.0	5.9	5.7	6.3	5.4
SIMONE (LD 3485)	3.7	5.9	5.8	3.7	5.0	7.0	5.8	5.2	6.4	5.4
ATLANTA	3.3	6.3	5.7	4.0	4.3	6.7	5.2	6.0	6.3	5.3
KOKET	4.3	5.6	6.0	3.3	4.7	6.0	5.8	5.3	6.2	5.2
PUMA	3.0	5.9	5.7	3.3	5.3	7.0	6.0	4.5	6.4	5.2
BARNICA	3.0	5.4	5.3	3.0	5.0	6.7	5.7	4.8	6.1	5.0
FERNANDO (HF 112)	3.7	5.4	5.2	3.0	4.7	6.0	5.6	5.2	6.1	5.0
EPSOM	3.3	5.3	4.8	3.0	5.0	6.0	4.8	4.8	.	4.6
LSD VALUE	1.0	0.6	0.7	1.1	1.1	0.4	0.9	0.9	0.8	0.3

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

TABLE 6E.

GENETIC COLOR RATINGS OF HARD FESCUE CULTIVARS
1990-1993 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/									MEAN
	AL1	ID2	NE1	NJ1	NJ2	OH2	OR9	PA1	PA2	
SR 3100 (SRX 89-31)	6.0	6.8	5.8	8.3	7.7	8.0	6.7	6.3	7.2	7.0
BARREPPPO	5.7	6.3	6.2	8.7	6.7	8.0	6.4	7.3	7.2	6.9
WARWICK	.	.	.	6.3	7.3	.	.	.	.	6.8
ATTILA	4.7	6.9	5.7	8.0	7.3	8.0	6.4	7.0	6.8	6.8
DISCOVERY (PST-4HD)	5.3	6.3	5.7	8.0	7.3	8.0	6.3	6.3	6.6	6.7
AURORA W/ENDO. (PST-AUE)	5.0	6.5	6.0	8.0	7.7	7.7	6.2	6.2	6.4	6.6
SILVANA	5.7	6.4	5.5	8.7	6.7	7.3	6.2	6.2	6.6	6.6
BRIGADE (MELODY)	5.0	6.1	5.7	8.0	8.0	7.3	6.3	6.2	6.4	6.6
VALDA	4.3	6.7	5.8	8.3	6.0	8.0	6.0	6.8	6.6	6.5
SR 3000	5.0	6.7	5.7	7.3	7.3	7.7	6.6	5.7	6.2	6.5
SERRA	4.3	6.7	6.5	7.7	7.0	7.7	6.6	4.8	6.6	6.4
AURORA	4.3	6.6	5.8	7.3	7.0	8.0	6.2	6.0	6.2	6.4
SCALDIS	4.3	6.4	5.7	8.0	7.0	7.3	6.3	5.8	6.4	6.4
PST-4AG	5.0	6.4	5.5	7.3	6.3	7.7	6.3	6.2	6.3	6.3
RELIANT-NO ENDOPHYTE	4.3	6.9	5.3	7.3	7.0	7.3	6.4	5.8	6.4	6.3
RELIANT-W/ ENDOPHYTE	4.7	6.2	5.5	6.7	7.7	7.3	6.1	6.0	6.7	6.3
BARDUR (BAR FO 9A2)	6.3	6.4	5.2	5.0	7.7	7.3	5.9	6.2	6.7	6.3
EUREKA	4.7	6.2	5.3	7.3	6.7	7.3	5.9	5.7	6.0	6.1
BILJART	4.3	6.4	5.2	7.0	7.0	7.0	6.0	6.0	6.2	6.1
LSD VALUE	1.1	0.6	0.8	0.9	1.4	0.7	0.9	0.8	0.9	0.4

TABLE 6F.

GENETIC COLOR RATINGS OF SHEEP FESCUE CULTIVARS
1990-1993 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/									MEAN
	AL1	ID2	NE1	NJ1	NJ2	OH2	OR9	PA1	PA2	
BIGHORN	4.7	6.9	6.5	8.7	5.7	8	6.8	6.5	7.1	6.7
MX 86	3.7	6.0	5.8	8.3	6.7	8	6.4	6.0	6.7	6.4
LSD VALUE	0.9	0.7	0.5	0.9	1.5	0	0.9	0.7	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 7A. SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	ID2	PA1	PA2	RI1	UB1	MEAN
CAMARO	6.0	7.0	2.5	7.3	7.3	6.0
SCARLET	6.2	7.0	3.3	5.8	7.3	5.9
MOLINDA	5.8	7.2	2.7	6.5	7.3	5.9
FLYER	5.5	7.3	2.3	6.5	7.3	5.8
SMIRNA (ZW 42-160)	5.0	5.5	.	5.5	7.0	5.8
PST-43F	4.8	8.0	2.5	6.3	7.0	5.7
ATTILA	6.2	5.0	4.7	5.7	6.7	5.6
TROPHY (ESTORIL)	7.3	6.2	2.3	5.0	7.3	5.6
BARGREEN	5.2	6.8	3.0	4.8	8.3	5.6
RAINBOW	6.4	6.8	2.5	5.3	7.0	5.6
RAYMOND	5.8	7.2	2.5	5.2	7.3	5.6
EPSOM	4.2	6.0	.	5.0	7.0	5.5
REVERE (NK 88001)	4.8	6.3	.	5.0	6.0	5.5
BARREPPPO	5.7	6.0	4.3	5.3	6.3	5.5
MARKER	8.3	5.2	2.5	4.7	7.0	5.5
ENJOY	7.0	5.7	2.8	4.8	7.0	5.5
SHADOW W/ENDO. (PST-SHE)	5.5	6.2	2.5	6.2	7.0	5.5
BARNICA	3.5	6.8	2.3	6.0	8.7	5.5
CINDY	4.3	6.5	2.2	6.3	8.0	5.5
ENSYLVA	4.3	6.7	2.3	6.2	7.7	5.4
DIGNITY (OFI 89-200)	6.5	6.5	2.0	4.8	7.3	5.4
SHADOW	5.8	6.2	2.5	5.3	7.3	5.4
ATLANTA	5.5	6.3	3.0	5.2	7.0	5.4
BRIDGEPORT (N-105)	5.8	6.2	2.3	5.7	7.0	5.4
HERALD	4.7	7.0	2.3	5.3	7.7	5.4
SEABREEZE (FRT-30149)	5.3	6.3	2.7	5.3	7.3	5.4
CAPITOL	5.2	6.3	2.8	5.5	7.0	5.4
FERNANDO (HF 112)	4.2	7.0	2.7	5.7	7.3	5.4
FRANKLIN	4.5	7.7	2.2	5.7	6.7	5.3
PUMA	4.5	6.7	2.2	5.3	8.0	5.3
MARY	6.0	5.7	2.7	5.2	7.0	5.3
SR 5000	6.3	6.3	2.3	5.2	6.3	5.3
SYLVIA (WW RS 130)	4.5	7.5	2.3	5.2	7.0	5.3
KOKET	4.5	6.2	3.0	5.7	7.0	5.3
PST-4R3	5.0	6.7	2.5	5.2	7.0	5.3
SALEM	5.5	6.8	1.8	5.5	6.7	5.3
PST-4NI	5.5	6.5	2.5	5.3	6.3	5.2
VISTA	4.0	7.3	2.3	5.5	7.0	5.2
COMFORT (HF 102)	2.8	6.7	2.2	5.5	9.0	5.2
SHADEMASTER	4.8	6.2	2.2	6.0	7.0	5.2
PST-4C8	4.6	6.8	2.0	5.3	7.3	5.2
BARGENA	4.8	6.2	1.7	5.7	7.7	5.2
WW RS 143	4.0	7.3	1.8	5.7	7.0	5.2
TIFFANY (PST-4CD)	5.6	5.8	1.7	5.3	7.3	5.2
BANNER	5.4	5.7	2.3	5.3	7.0	5.1
BARDUR (BAR FO 9A2)	5.2	4.5	4.2	4.8	7.0	5.1
BARLOTTE	3.3	6.7	2.0	5.7	8.0	5.1
ELANOR	4.5	6.5	2.2	5.7	6.7	5.1
JAMESTOWN	4.5	5.8	2.5	6.0	6.7	5.1

SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS
1990-1993 DATA
SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	ID2	PA1	PA2	RI1	UB1	MEAN
BCREAL	4.6	6.2	2.7	5.3	6.7	5.1
JASPER	3.6	6.7	2.3	5.8	7.0	5.1
HF 138	4.4	6.2	2.5	4.7	7.7	5.1
SOUTHPORT	5.8	6.0	1.5	5.7	6.3	5.1
BARGENA II (BAR FR8RC3)	4.2	6.7	2.7	5.0	6.7	5.0
JAMESTOWN II	5.3	6.0	2.2	5.3	6.3	5.0
RELIANT-W/ ENDOPHYTE	5.8	4.3	4.0	4.7	6.3	5.0
DOVER (NK 82492)	5.0	5.8	1.7	5.8	6.7	5.0
PROFORMER (JMB-89)	5.0	5.5	2.5	5.0	7.0	5.0
PST-4FE	5.3	5.8	2.3	4.8	6.7	5.0
EUREKA	6.2	5.5	3.7	4.5	5.0	5.0
BARLANDER (BAR FR 9F)	5.7	6.2	3.2	4.7	5.0	4.9
SUNSET (ZW 42-158)	4.8	5.8	2.0	5.0	7.0	4.9
WILMA	4.6	5.5	2.3	5.2	7.0	4.9
SYLVESTER	3.4	6.8	2.3	5.3	6.7	4.9
BRIGADE (MELODY)	5.8	5.2	3.3	4.8	5.3	4.9
CLAUDIA	5.0	6.0	2.2	5.0	6.3	4.9
WW RS 138	3.3	6.8	1.7	5.7	7.0	4.9
DAWSON	4.5	6.0	2.3	4.8	6.7	4.9
LONGFELLOW	4.3	6.7	2.0	4.5	6.7	4.8
WARWICK	.	.	.	3.7	6.0	4.8
SERRA	5.5	4.3	3.2	4.5	6.3	4.8
WALDORF	6.0	5.7	2.5	4.3	5.3	4.8
PST-4AG	5.8	4.3	3.0	4.2	6.3	4.7
SR 3100 (SRX 89-31)	6.0	5.0	3.5	3.8	5.3	4.7
SCALDIS	4.6	4.7	3.3	4.3	6.7	4.7
BELVEDERE	5.4	5.3	2.0	5.0	5.7	4.7
RELIANT-NO ENDOPHYTE	5.0	4.5	4.0	4.3	5.3	4.6
ERG 1143	6.8	4.8	3.0	4.0	4.3	4.6
NAPOLI (LD 3488)	6.2	4.2	2.5	4.0	6.0	4.6
AURORA	5.7	4.2	4.0	3.7	5.3	4.6
SIMONE (LD 3485)	4.3	5.5	2.2	5.2	5.7	4.6
BILJART	5.3	3.8	3.8	4.3	5.3	4.5
BARSKOL (BAR FR 9P)	3.8	4.7	2.3	5.2	6.7	4.5
AURORA W/ENDO. (PST-AUE)	5.5	4.3	3.3	4.0	5.3	4.5
SR 3000	5.3	3.3	4.3	4.2	5.0	4.4
VALDA	5.5	4.7	2.8	4.5	4.7	4.4
BARCROWN	4.0	5.5	2.2	4.3	6.0	4.4
DISCOVERY (PST-4HD)	5.7	3.2	2.8	4.0	6.0	4.3
TALUS (LD 3438)	6.3	4.7	2.0	3.3	5.0	4.3
MX 86	6.3	5.2	2.3	4.0	3.3	4.2
SILVANA	6.2	2.8	3.0	3.8	5.3	4.2
COLLO (LD 3414)	5.4	4.7	1.5	4.8	4.0	4.1
BIGHORN	6.2	4.0	3.5	3.7	3.0	4.1
89.LKR	.	2.8	2.5	4.3	6.3	4.0
LSD VALUE	2.1	2.1	0.9	1.4	1.1	0.8

1/ SPRING GREENUP RATED AT "ID2" IN 1991 & 1992, AT "PA1" IN 1991 & 1993, AT "PA2" & "RI1" IN 1992 & 1993 AND AT "UB1" IN 1991.
2/ 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. SPRING GREENUP RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	ID2	PA1	PA2	RI1	UB1	MEAN
FLYER	5.5	7.3	2.3	6.5	7.3	5.8
PST-43F	4.8	8.0	2.5	6.3	7.0	5.7
REVERE (NK 88001)	4.8	6.3	.	5.0	6.0	5.5
CINDY	4.3	6.5	2.2	6.3	8.0	5.5
ENSYLVA	4.3	6.7	2.3	6.2	7.7	5.4
HERALD	4.7	7.0	2.3	5.3	7.7	5.4
FRANKLIN	4.5	7.7	2.2	5.7	6.7	5.3
SYLVIA (WW RS 130)	4.5	7.5	2.3	5.2	7.0	5.3
PST-4R3	5.0	6.7	2.5	5.2	7.0	5.3
SALEM	5.5	6.8	1.8	5.5	6.7	5.3
PST-4NI	5.5	6.5	2.5	5.3	6.3	5.2
VISTA	4.0	7.3	2.3	5.5	7.0	5.2
SHADEMASTER	4.8	6.2	2.2	6.0	7.0	5.2
PST-4C8	4.6	6.8	2.0	5.3	7.3	5.2
BARGENA	4.8	6.2	1.7	5.7	7.7	5.2
WW RS 143	4.0	7.3	1.8	5.7	7.0	5.2
ELANOR	4.5	6.5	2.2	5.7	6.7	5.1
BOREAL	4.6	6.2	2.7	5.3	6.7	5.1
JASPER	3.6	6.7	2.3	5.8	7.0	5.1
BARGENA II (BAR FR&RC3)	4.2	6.7	2.7	5.0	6.7	5.0
SUNSET (ZW 42-158)	4.8	5.8	2.0	5.0	7.0	4.9
SYLVESTER	3.4	6.8	2.3	5.3	6.7	4.9
CLAUDIA	5.0	6.0	2.2	5.0	6.3	4.9
WW RS 138	3.3	6.8	1.7	5.7	7.0	4.9
BELVEDERE	5.4	5.3	2.0	5.0	5.7	4.7
TALUS (LD 3438)	6.3	4.7	2.0	3.3	5.0	4.3
COLLO (LD 3414)	5.4	4.7	1.5	4.8	4.0	4.1
LSD VALUE	1.9	1.9	0.8	1.3	1.0	0.7

TABLE 7C. SPRING GREENUP RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	ID2	PA1	PA2	RI1	UB1	MEAN
SMIRNA (ZW 42-160)	5.0	5.5	.	5.5	7.0	5.8
MARKER	8.3	5.2	2.5	4.7	7.0	5.5
SEABREEZE (FRT-30149)	5.3	6.3	2.7	5.3	7.3	5.4
COMFORT (HF 102)	2.8	6.7	2.2	5.5	9.0	5.2
BARLOTTE	3.3	6.7	2.0	5.7	8.0	5.1
HF 138	4.4	6.2	2.5	4.7	7.7	5.1
DAWSON	4.5	6.0	2.3	4.8	6.7	4.9
NAPOLI (LD 3488)	6.2	4.2	2.5	4.0	6.0	4.6
BARSKOL (BAR FR 9P)	3.8	4.7	2.3	5.2	6.7	4.5
BARCROWN	4.0	5.5	2.2	4.3	6.0	4.4
LSD VALUE	2.1	1.6	1.0	1.3	1.1	0.7

- 1/ SPRING GREENUP RATED AT "ID2" IN 1991 & 1992, AT "PA1" IN 1991 & 1993, AT "PA2" & "RI1" IN 1992 & 1993 AND AT "UB1" IN 1991.
2/ 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. SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	PA1	PA2	RI1	UB1	MEAN
CAMARO	6.0	7.0	2.5	7.3	7.3	6.0
SCARLET	6.2	7.0	3.3	5.8	7.3	5.9
MOLINDA	5.8	7.2	2.7	6.5	7.3	5.9
TROPHY (ESTORIL)	7.3	6.2	2.3	5.0	7.3	5.6
BARGREEN	5.2	6.8	3.0	4.8	8.3	5.6
RAINBOW	6.4	6.8	2.5	5.3	7.0	5.6
RAYMOND	5.8	7.2	2.5	5.2	7.3	5.6
EPSOM	4.2	6.0	.	5.0	7.0	5.5
ENJOY	7.0	5.7	2.8	4.8	7.0	5.5
SHADOW W/ENDO. (PST-SHE)	5.5	6.2	2.5	6.2	7.0	5.5
BARNICA	3.5	6.8	2.3	6.0	8.7	5.5
DIGNITY (OFI 89-200)	6.5	6.5	2.0	4.8	7.3	5.4
SHADOW	5.8	6.2	2.5	5.3	7.3	5.4
ATLANTA	5.5	6.3	3.0	5.2	7.0	5.4
BRIDGEPORT (N-105)	5.8	6.2	2.3	5.7	7.0	5.4
CAPITOL	5.2	6.3	2.8	5.5	7.0	5.4
FERNANDO (HF 112)	4.2	7.0	2.7	5.7	7.3	5.4
PUMA	4.5	6.7	2.2	5.3	8.0	5.3
MARY	6.0	5.7	2.7	5.2	7.0	5.3
SR 5000	6.3	6.3	2.3	5.2	6.3	5.3
KOKET	4.5	6.2	3.0	5.7	7.0	5.3
TIFFANY (PST-4CD)	5.6	5.8	1.7	5.3	7.3	5.2
BANNER	5.4	5.7	2.3	5.3	7.0	5.1
JAMESTOWN	4.5	5.8	2.5	6.0	6.7	5.1
SOUTHPORT	5.8	6.0	1.5	5.7	6.3	5.1
JAMESTOWN II	5.3	6.0	2.2	5.3	6.3	5.0
DOVER (NK 82492)	5.0	5.8	1.7	5.8	6.7	5.0
PROFORMER (JMB-89)	5.0	5.5	2.5	5.0	7.0	5.0
PST-4FE	5.3	5.8	2.3	4.8	6.7	5.0
BARLANDER (BAR FR 9F)	5.7	6.2	3.2	4.7	5.0	4.9
WILMA	4.6	5.5	2.3	5.2	7.0	4.9
LONGFELLOW	4.3	6.7	2.0	4.5	6.7	4.8
WALDORF	6.0	5.7	2.5	4.3	5.3	4.8
ERG 1143	6.8	4.8	3.0	4.0	4.3	4.6
SIMONE (LD 3485)	4.3	5.5	2.2	5.2	5.7	4.6
89.LKR	.	2.8	2.5	4.3	6.3	4.0
LSD VALUE	2.4	2.3	0.9	1.7	1.1	0.9

1/ SPRING GREENUP RATED AT "ID2" IN 1991 & 1992, AT "PA1" IN 1991 & 1993, AT "PA2" & "RI1" IN 1992 & 1993 AND AT "UB1" IN 1991.

2/ 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. SPRING GREENUP RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	PA1	PA2	RI1	UB1	MEAN
ATTILA	6.2	5.0	4.7	5.7	6.7	5.6
BARREPPPO	5.7	6.0	4.3	5.3	6.3	5.5
BARBUR (BAR FO 9A2)	5.2	4.5	4.2	4.8	7.0	5.1
RELIANT-W/ ENDOPHYTE	5.8	4.3	4.0	4.7	6.3	5.0
EUREKA	6.2	5.5	3.7	4.5	5.0	5.0
BRIGADE (MELODY)	5.8	5.2	3.3	4.8	5.3	4.9
WARWICK	.	.	.	3.7	6.0	4.8
SERRA	5.5	4.3	3.2	4.5	6.3	4.8
PST-4AG	5.8	4.3	3.0	4.2	6.3	4.7
SR 3100 (SRX 89-31)	6.0	5.0	3.5	3.8	5.3	4.7
SCALDIS	4.6	4.7	3.3	4.3	6.7	4.7
RELIANT-NO ENDOPHYTE	5.0	4.5	4.0	4.3	5.3	4.6
AURORA	5.7	4.2	4.0	3.7	5.3	4.6
BILJART	5.3	3.8	3.8	4.3	5.3	4.5
AURORA W/ENDO. (PST-AUE)	5.5	4.3	3.3	4.0	5.3	4.5
SR 3000	5.3	3.3	4.3	4.2	5.0	4.4
VALDA	5.5	4.7	2.8	4.5	4.7	4.4
DISCOVERY (PST-4HD)	5.7	3.2	2.8	4.0	6.0	4.3
SILVANA	6.2	2.8	3.0	3.8	5.3	4.2
LSD VALUE	1.7	2.3	1.1	1.0	1.4	0.8

TABLE 7F. SPRING GREENUP RATINGS OF SHEEP FESCUE CULTIVARS
1990-1993 DATA

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

NAME	ID2	PA1	PA2	RI1	UB1	MEAN
MX 86	6.3	5.2	2.3	4.0	3.3	4.2
BIGHORN	6.2	4.0	3.5	3.7	3.0	4.1
LSD VALUE	1.0	3.3	1.2	1.1	1.3	0.9

1/ SPRING GREENUP RATED AT "ID2" IN 1991 & 1992, AT "PA1" IN 1991 & 1993, AT "PA2" & "RI1" IN 1992 & 1993 AND AT "UB1" IN 1991.

2/ 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. LEAF TEXTURE RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	ID2	OR9	MEAN	NAME	ID2	OR9	MEAN
WALDORF	8.0	7.0	7.5	BRIDGEPORT (N-105)	7.2	6.3	6.8
ENJOY	7.8	7.0	7.4	FERNANDO (HF 112)	7.5	6.0	6.8
RAYMOND	7.5	7.3	7.4	KOKET	7.2	6.3	6.8
BARGREEN	7.7	7.0	7.3	MOLINDA	6.8	6.7	6.8
RAINBOW	7.5	7.0	7.3	RELIANT-NO ENDOPHYTE	6.5	7.0	6.8
SIMONE (LD 3485)	7.5	7.0	7.3	SERRA	6.5	7.0	6.8
BARNICA	7.7	6.7	7.2	SILVANA	6.5	7.0	6.8
SCARLET	7.7	6.7	7.2	SMIRNA (ZW 42-160)	7.5	6.0	6.8
CAPITOL	7.3	7.0	7.2	SOUTHPORT	6.8	6.7	6.8
BANNER	7.2	7.0	7.1	DAWSON	7.0	6.3	6.7
BILJART	7.2	7.0	7.1	EPSOM	7.0	6.3	6.7
CAMARO	7.2	7.0	7.1	SEABREEZE (FRT-30149)	7.0	6.3	6.7
MARY	7.2	7.0	7.1	BIGHORN	6.2	7.0	6.6
PUMA	7.2	7.0	7.1	COMFORT (HF 102)	7.2	6.0	6.6
TIFFANY (PST-4CD)	7.5	6.7	7.1	SUNSET (ZW 42-158)	6.5	6.7	6.6
WILMA	7.5	6.7	7.1	TALUS (LD 3438)	6.8	6.3	6.6
89.LKR	.	7.0	7.0	RELIANT-W/ ENDOPHYTE	6.7	6.3	6.5
BRIGADE (MELODY)	7.0	7.0	7.0	ELANOR	7.0	5.7	6.3
DISCOVERY (PST-4HD)	7.0	7.0	7.0	HF 138	7.0	5.7	6.3
LONGFELLOW	7.0	7.0	7.0	FLYER	6.5	6.0	6.3
NAPOLI (LD 3488)	7.3	6.7	7.0	FRANKLIN	6.5	6.0	6.3
PROFORMER (JMB-89)	7.0	7.0	7.0	BARLOTTE	6.7	5.7	6.2
PST-4FE	7.0	7.0	7.0	HERALD	6.7	5.7	6.2
SHADOW W/ENDO. (PST-SHE)	7.7	6.3	7.0	PST-4NI	6.7	5.7	6.2
SR 3100 (SRX 89-31)	7.0	7.0	7.0	WW RS 138	6.7	5.7	6.2
SR 5000	7.3	6.7	7.0	COLLO (LD 3414)	6.2	6.0	6.1
TROPHY (ESTORIL)	7.0	7.0	7.0	CINDY	6.5	5.7	6.1
VALDA	7.0	7.0	7.0	MX 86	5.2	7.0	6.1
BARLANDER (BAR FR 9F)	7.2	6.7	6.9	SALEM	6.5	5.7	6.1
DIGNITY (OFI 89-200)	7.2	6.7	6.9	SYLVESTER	6.5	5.7	6.1
DOVER (NK 82492)	7.2	6.7	6.9	BARGENA	6.7	5.3	6.0
JAMESTOWN II	7.2	6.7	6.9	PST-4C8	6.3	5.7	6.0
SHADOW	7.2	6.7	6.9	REVERE (NK 88001)	6.7	5.3	6.0
AURORA W/ENDO. (PST-AUE)	6.8	7.0	6.9	JASPER	6.5	5.3	5.9
BARDUR (BAR FO 9A2)	6.8	7.0	6.9	SHADEMASTER	6.5	5.3	5.9
ERG 1143	6.8	7.0	6.9	BELVEDERE	6.0	5.7	5.8
EUREKA	6.8	7.0	6.9	ENSYLVA	6.3	5.3	5.8
JAMESTOWN	6.8	7.0	6.9	BARGENA II (BAR FR8RC3)	6.5	5.0	5.8
PST-4AG	6.8	7.0	6.9	CLAUDIA	6.5	5.0	5.8
SR 3000	6.8	7.0	6.9	PST-43F	6.5	5.0	5.8
ATTILA	6.7	7.0	6.8	PST-4R3	6.2	5.3	5.8
AURORA	6.7	7.0	6.8	VISTA	6.5	5.0	5.8
BARCROWN	7.0	6.7	6.8	WW RS 143	6.5	5.0	5.8
MARKER	6.7	7.0	6.8	BOREAL	6.3	5.0	5.7
SCALDIS	6.7	7.0	6.8	SYLVIA (WW RS 130)	6.0	5.0	5.5
ATLANTA	7.3	6.3	6.8				
BARSKOL (BAR FR 9P)	7.3	6.3	6.8	LSD VALUE	0.6	0.7	0.5
BARREPPPO	6.5	7.0	6.8				

1/ LEAF TEXTURE RATED AT "ID2" IN 1990 & 1991 AND AT "OR9" IN 1990.

2/ 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. LEAF TEXTURE RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	ID2	OR9	MEAN
SUNSET (ZW 42-158)	6.5	6.7	6.6
TALUS (ID 3438)	6.8	6.3	6.6
ELANOR	7.0	5.7	6.3
FLYER	6.5	6.0	6.3
FRANKLIN	6.5	6.0	6.3
HERALD	6.7	5.7	6.2
PST-4NI	6.7	5.7	6.2
WW RS 138	6.7	5.7	6.2
COLLO (ID 3414)	6.2	6.0	6.1
CINDY	6.5	5.7	6.1
SALEM	6.5	5.7	6.1
SYLVESTER	6.5	5.7	6.1
BARGENA	6.7	5.3	6.0
PST-4C8	6.3	5.7	6.0
REVERE (NK 88001)	6.7	5.3	6.0
JASPER	6.5	5.3	5.9
SHADEMASTER	6.5	5.3	5.9
BELVEDEFE	6.0	5.7	5.8
ENSYLVA	6.3	5.3	5.8
BARGENA II (BAR FR8RC3)	6.5	5.0	5.8
CLAUDIA	6.5	5.0	5.8
PST-43F	6.5	5.0	5.8
PST-4R3	6.2	5.3	5.8
VISTA	6.5	5.0	5.8
WW RS 143	6.5	5.0	5.8
BOREAL	6.3	5.0	5.7
SYLVIA (WW RS 130)	6.0	5.0	5.5
LSD VALUE	0.7	0.8	0.6

TABLE 8C. LEAF TEXTURE RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	ID2	OR9	MEAN
NAPOLI (LD 3488)	7.3	6.7	7.0
BARCROWN	7.0	6.7	6.8
MARKER	6.7	7.0	6.8
BARSKOL (BAR FR 9P)	7.3	6.3	6.8
SMIRNA (ZW 42-160)	7.5	6.0	6.8
DAWSON	7.0	6.3	6.7
SEABREEZE (FRT-30149)	7.0	6.3	6.7
COMFORT (HF 102)	7.2	6.0	6.6
HF 138	7.0	5.7	6.3
BARLOTIE	6.7	5.7	6.2
LSD VALUE	0.5	0.8	0.4

1/ LEAF TEXTURE RATED AT "ID2" IN 1990 & 1991 AND AT "OR9" IN 1990.

2/ 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. LEAF TEXTURE RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OR9	MEAN
WALDORF	8.0	7.0	7.5
ENJOY	7.8	7.0	7.4
RAYMOND	7.5	7.3	7.4
BARGREEN	7.7	7.0	7.3
RAINBOW	7.5	7.0	7.3
SIMONE (ID 3485)	7.5	7.0	7.3
BARNICA	7.7	6.7	7.2
SCARLET	7.7	6.7	7.2
CAPITOL	7.3	7.0	7.2
BANNER	7.2	7.0	7.1
CAMARO	7.2	7.0	7.1
MARY	7.2	7.0	7.1
PUMA	7.2	7.0	7.1
TIFFANY (PST-4CD)	7.5	6.7	7.1
WILMA	7.5	6.7	7.1
89.LKR	.	7.0	7.0
LONGFELLOW	7.0	7.0	7.0
PROFORMER (JMB-89)	7.0	7.0	7.0
PST-4FE	7.0	7.0	7.0
SHADOW W/ENDO. (PST-SHE)	7.7	6.3	7.0
SR 5000	7.3	6.7	7.0
TROPHY (ESTORIL)	7.0	7.0	7.0
BARLANDER (BAR FR 9F)	7.2	6.7	6.9
DIGNITY (OFI 89-200)	7.2	6.7	6.9
DOVER (NK 82492)	7.2	6.7	6.9
JAMESTOWN II	7.2	6.7	6.9
SHADOW	7.2	6.7	6.9
ERG 1143	6.8	7.0	6.9
JAMESTOWN	6.8	7.0	6.9
ATLANTA	7.3	6.3	6.8
BRIDGEPORT (N-105)	7.2	6.3	6.8
FERNANDO (HF 112)	7.5	6.0	6.8
KOKET	7.2	6.3	6.8
MOLINDA	6.8	6.7	6.8
SOUTHPORT	6.8	6.7	6.8
EPSOM	7.0	6.3	6.7
LSD VALUE	0.6	0.7	0.5

1/ LEAF TEXTURE RATED AT "ID2" IN 1990 & 1991 AND AT "OR9" IN 1990.

2/ 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. LEAF TEXTURE RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OR9	MEAN
BILJART	7.2	7.0	7.1
BRIGADE (MELODY)	7.0	7.0	7.0
DISCOVERY (PST-4HD)	7.0	7.0	7.0
SR 3100 (SRX 89-31)	7.0	7.0	7.0
VALDA	7.0	7.0	7.0
AURORA W/ENDO. (PST-AUE)	6.8	7.0	6.9
BARDUR (BAR FO 9A2)	6.8	7.0	6.9
EUREKA	6.8	7.0	6.9
PST-4AG	6.8	7.0	6.9
SR 3000	6.8	7.0	6.9
ATTILA	6.7	7.0	6.8
AURORA	6.7	7.0	6.8
SCALDIS	6.7	7.0	6.8
BARREPPPO	6.5	7.0	6.8
RELIANT-NO ENDOPHYTE	6.5	7.0	6.8
SERRA	6.5	7.0	6.8
SILVANA	6.5	7.0	6.8
RELIANT-W/ ENDOPHYTE	6.7	6.3	6.5
LSD VALUE	0.7	0.2	0.5

TABLE 8F. LEAF TEXTURE RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OR9	MEAN
BIGHORN	6.2	7	6.6
MX 86	5.2	7	6.1
LSD VALUE	0.7	0	0.5

1/ LEAF TEXTURE RATED AT "ID2" IN 1990 & 1991 AND AT "OR9" IN 1990.

2/ 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. SEEDLING VIGOR RATINGS OF FINELEAF FESCUE CULTIVARS
1990-1993 DATA

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

NAME	ID2	IL2	MD1	MN1	OR9	PA1	SK1	MEAN
BARGENA	6.7	9.0	4.7	8.0	7.3	8.7	4.7	7.0
ENSYLVA	6.3	9.0	4.3	8.0	7.7	9.0	4.3	7.0
WW RS 143	7.0	8.0	5.0	7.7	7.3	7.7	5.3	6.9
WW RS 138	5.7	8.3	4.3	7.7	8.0	8.3	5.3	6.8
HERALD	7.3	8.0	4.3	7.0	7.0	8.7	5.3	6.8
CLAUDIA	7.3	9.0	4.0	7.0	7.0	8.0	4.7	6.7
BOREAL	5.7	8.7	5.0	6.7	7.3	7.7	5.0	6.6
BARLOTTE	7.7	6.7	4.3	7.0	6.7	7.0	6.3	6.5
SHADEMASTER	6.7	8.0	4.0	7.0	7.0	7.7	5.3	6.5
JASPER	7.0	7.3	4.3	6.5	7.3	6.7	6.0	6.5
SUNSET (ZW 42-158)	5.3	8.3	4.7	7.3	6.3	7.3	5.3	6.4
BARGENA II (BAR FR8RC3)	6.7	9.0	4.0	6.3	6.7	7.0	5.0	6.4
CINDY	5.7	7.7	5.0	7.0	6.7	6.7	6.0	6.4
VISTA	6.7	8.3	5.0	6.3	7.0	6.3	5.0	6.4
PUMA	6.0	8.0	4.0	5.7	6.7	7.0	5.0	6.0
FLYER	6.0	8.0	4.3	6.7	7.0	5.7	4.7	6.0
COMFORT (HF 102)	5.3	7.0	4.3	7.0	7.0	5.7	5.3	6.0
SHADOW	4.7	6.7	4.7	6.0	7.3	7.7	4.7	6.0
PST-43F	6.0	6.7	4.3	6.3	6.7	5.3	5.7	5.9
PST-4NI	4.3	6.7	4.3	6.3	6.3	7.0	6.0	5.9
CAPITOL	5.3	6.3	5.7	5.3	6.7	6.0	5.7	5.9
SR 5000	6.3	6.3	4.3	5.3	6.3	6.7	5.7	5.9
FRANKLIN	6.3	8.7	4.0	6.7	6.0	4.7	4.3	5.8
ENJOY	6.3	6.3	5.3	5.3	6.0	6.3	5.0	5.8
PST-4R3	4.0	8.0	4.0	6.3	6.7	6.3	5.0	5.8
ELANOR	4.7	7.7	4.3	6.3	6.3	6.3	4.7	5.8
JAMESTOWN II	6.0	5.3	4.0	6.0	7.3	5.7	6.0	5.8
MARY	6.3	5.7	5.0	5.7	6.3	5.7	5.7	5.8
BELVEDERE	5.0	7.0	4.0	6.7	5.3	6.7	5.3	5.7
TALUS (LD 3438)	6.3	7.0	4.3	5.0	6.0	7.0	4.3	5.7
PST-4C8	4.3	6.7	4.0	6.0	7.3	6.0	5.3	5.7
RAYMOND	6.3	5.3	4.0	5.3	7.3	6.0	5.3	5.7
BARNICA	4.3	7.0	4.0	5.3	7.0	6.3	5.3	5.6
EPSOM	7.3	5.7	4.0	5.0	6.0	6.0	5.3	5.6
FERNANDO (HF 112)	4.3	6.7	4.3	5.7	7.0	6.0	5.3	5.6
COLLO (LD 3414)	2.5	7.7	4.7	6.0	6.7	6.7	5.0	5.6
JAMESTOWN	5.7	6.0	4.0	6.0	6.3	5.7	5.3	5.6
SYLVIA (WW RS 130)	5.3	8.0	3.7	7.3	6.0	3.3	5.3	5.6
REVERE (NK 88001)	4.0	7.3	3.7	6.3	6.0	6.0	5.7	5.6
SCARLET	6.3	5.7	4.3	5.7	5.3	6.0	5.7	5.6
RAINBOW	6.3	5.7	3.3	5.3	6.0	6.0	6.0	5.5
SALEM	4.3	6.7	4.3	6.0	6.0	6.3	5.0	5.5
BANNER	4.3	6.7	4.3	5.7	6.7	6.0	4.7	5.5
SIMONE (LD 3485)	4.3	6.7	4.0	5.7	6.3	6.3	5.0	5.5
SOUTHPORT	3.7	6.7	4.3	5.7	6.7	5.7	5.7	5.5
TROPHY (ESTORIL)	6.7	4.3	5.0	5.7	5.7	5.3	5.7	5.5
CAMARO	5.3	5.7	4.3	6.0	6.3	5.0	5.7	5.5
BARSKOL (BAR FR 9P)	5.3	6.0	4.3	5.7	6.0	5.3	5.3	5.4
HF 138	3.3	7.0	4.0	6.0	6.7	5.3	5.7	5.4

TABLE 9A. SEEDLING VIGOR RATINGS OF FINELEAF FESCUE CULTIVARS
(CONTINUED) 1990-1993 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 1/								
NAME	ID2	IL2	MD1	MN1	OR9	PA1	SK1	MEAN
NAPOLI (LD 3488)	3.7	6.7	5.0	5.7	5.7	6.0	5.0	5.4
SYLVESTER	5.0	8.7	2.0	6.3	6.0	5.3	4.3	5.4
BRIDGEPORT (N-105)	4.7	6.0	4.3	5.3	6.0	5.7	5.7	5.4
WILMA	6.0	5.7	4.3	5.3	5.3	5.7	5.3	5.4
SMIRNA (ZW 42-160)	4.3	5.7	4.0	6.0	6.0	5.7	5.7	5.3
PROFORMER (JMB-89)	4.0	5.7	4.7	5.3	6.3	5.3	5.7	5.3
TIFFANY (PST-4CD)	3.3	5.3	5.3	5.3	6.0	6.0	5.7	5.3
MOLINDA	5.0	6.0	4.0	5.7	6.0	5.7	4.3	5.2
SERRA	6.0	6.7	4.7	5.0	6.0	2.7	5.3	5.2
BARCROWN	7.0	5.0	4.3	4.7	5.0	4.7	5.3	5.1
DIGNITY (OFI 89-200)	5.3	4.0	4.3	4.7	6.7	4.7	5.0	5.0
SEABREEZE (FRT-30149)	3.0	5.7	4.0	5.0	6.3	4.7	6.0	5.0
WALDORF	5.7	4.7	4.3	4.7	5.7	4.3	5.3	5.0
MARKER	4.3	4.3	4.7	5.0	5.7	4.7	5.7	4.9
BARGREEN	3.3	5.0	4.0	5.0	6.7	4.7	5.3	4.9
LONGFELLOW	5.0	5.0	4.0	5.3	5.0	4.7	5.0	4.9
MX 86	3.7	7.0	4.0	6.3	4.7	3.0	5.3	4.9
PST-4FE	2.7	4.3	4.7	5.7	6.3	5.0	5.3	4.9
SHADOW W/ENDO. (PST-SHE)	2.3	6.0	3.7	5.7	6.3	5.0	5.0	4.9
BARLANDER (BAR FR 9F)	5.7	3.3	4.0	4.7	5.7	5.0	5.3	4.8
DOVER (NK 82492)	6.3	3.7	4.0	5.0	5.3	3.7	5.3	4.8
RELIANT-NO ENDOPHYTE	6.0	5.0	3.7	5.3	5.7	2.7	4.7	4.7
ERG 1143	6.7	3.0	4.0	4.3	5.0	4.7	5.0	4.7
KOKET	3.3	6.0	3.3	5.3	6.0	4.0	4.7	4.7
SR 3000	6.0	4.0	4.0	5.3	4.7	2.3	5.3	4.5
BARDUR (BAR FO 9A2)	5.7	6.0	4.0	4.7	4.0	2.7	4.3	4.5
BRIGADE (MELODY)	6.3	4.0	4.0	5.3	4.3	3.0	4.3	4.5
PST-4AG	4.7	4.7	4.0	5.7	5.3	2.0	4.7	4.4
RELIANT-W/ ENDOPHYTE	4.7	4.7	3.7	5.3	5.3	2.7	4.7	4.4
ATLANTA	3.7	4.7	4.0	5.0	4.7	4.0	4.7	4.4
EUREKA	5.3	5.3	3.7	5.3	3.7	2.3	5.0	4.4
SCALDIS	4.3	5.0	4.3	5.7	5.0	2.0	4.3	4.4
SILVANA	4.3	5.0	4.0	5.3	5.0	2.3	4.7	4.4
DISCOVERY (PST-4HD)	4.0	3.7	4.3	4.3	5.7	3.3	4.7	4.3
AURORA	4.0	4.7	4.7	4.7	4.3	2.0	4.7	4.1
DAWSON	3.0	5.7	2.7	6.3	4.3	2.7	4.3	4.1
ATTILA	3.7	4.3	4.0	4.3	4.7	2.0	4.7	4.0
BILJART	3.3	5.0	3.7	4.3	4.3	2.3	4.7	4.0
VALDA	3.7	4.0	4.0	4.7	4.0	2.3	4.7	3.9
AURORA W/ENDO. (PST-AUE)	2.0	4.3	3.7	5.0	5.0	2.0	4.7	3.8
BIGHORN	4.0	3.3	3.3	4.3	4.0	2.3	5.3	3.8
SR 3100 (SRX 89-31)	3.0	3.3	4.3	4.0	3.7	3.0	4.7	3.7
WARWICK	.	.	3.7	.	.	.	.	3.7
89.LKR	.	.	5.0	.	.	2.0	.	3.5
BARREPP0	1.7	3.7	3.0	4.3	3.7	1.3	3.7	3.0
LSD VALUE	2.1	1.5	1.3	0.9	1.7	1.7	1.1	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 9B. SEEDLING VIGOR RATINGS OF CREEPING RED FESCUE CULTIVARS
1990-1993 DATA
SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 1/

NAME	ID2	IL2	MD1	MN1	OR9	PA1	SK1	MEAN
BARGENA	6.7	9.0	4.7	8.0	7.3	8.7	4.7	7.0
ENSYIVA	6.3	9.0	4.3	8.0	7.7	9.0	4.3	7.0
WW RS 143	7.0	8.0	5.0	7.7	7.3	7.7	5.3	6.9
WW RS 138	5.7	8.3	4.3	7.7	8.0	8.3	5.3	6.8
HERALD	7.3	8.0	4.3	7.0	7.0	8.7	5.3	6.8
CLAUDIA	7.3	9.0	4.0	7.0	7.0	8.0	4.7	6.7
BOREAL	5.7	8.7	5.0	6.7	7.3	7.7	5.0	6.6
SHADEMASTER	6.7	8.0	4.0	7.0	7.0	7.7	5.3	6.5
JASPER	7.0	7.3	4.3	6.5	7.3	6.7	6.0	6.5
SUNSET (ZW 42-158)	5.3	8.3	4.7	7.3	6.3	7.3	5.3	6.4
BARGENA II (BAR FR8RC3)	6.7	9.0	4.0	6.3	6.7	7.0	5.0	6.4
CINDY	5.7	7.7	5.0	7.0	6.7	6.7	6.0	6.4
VISTA	6.7	8.3	5.0	6.3	7.0	6.3	5.0	6.4
FLYER	6.0	8.0	4.3	6.7	7.0	5.7	4.7	6.0
PST-43F	6.0	6.7	4.3	6.3	6.7	5.3	5.7	5.9
PST-4NI	4.3	6.7	4.3	6.3	6.3	7.0	6.0	5.9
FRANKLIN	6.3	8.7	4.0	6.7	6.0	4.7	4.3	5.8
PST-4R3	4.0	8.0	4.0	6.3	6.7	6.3	5.0	5.8
ELANOR	4.7	7.7	4.3	6.3	6.3	6.3	4.7	5.8
BELVEDERE	5.0	7.0	4.0	6.7	5.3	6.7	5.3	5.7
TALUS (LD 3438)	6.3	7.0	4.3	5.0	6.0	7.0	4.3	5.7
PST-4C8	4.3	6.7	4.0	6.0	7.3	6.0	5.3	5.7
COLLO (LD 3414)	2.5	7.7	4.7	6.0	6.7	6.7	5.0	5.6
SYLVIA (WW RS 130)	5.3	8.0	3.7	7.3	6.0	3.3	5.3	5.6
REVERE (NK 88001)	4.0	7.3	3.7	6.3	6.0	6.0	5.7	5.6
SALEM	4.3	6.7	4.3	6.0	6.0	6.3	5.0	5.5
SYLVESTER	5.0	8.7	2.0	6.3	6.0	5.3	4.3	5.4
LSD VALUE	2.2	1.2	1.2	0.9	1.8	2.2	1.0	0.6

TABLE 9C. SEEDLING VIGOR RATINGS OF SLENDER CREEPING FESCUE CULTIVARS
1990-1993 DATA
SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	ID2	IL2	MD1	MN1	OR9	PA1	SK1	MEAN
BARLOTTE	7.7	6.7	4.3	7.0	6.7	7.0	6.3	6.5
COMFORT (HF 102)	5.3	7.0	4.3	7.0	7.0	5.7	5.3	6.0
BARSKOL (BAR FR 9P)	5.3	6.0	4.3	5.7	6.0	5.3	5.3	5.4
HF 138	3.3	7.0	4.0	6.0	6.7	5.3	5.7	5.4
NAPOLI (LD 3488)	3.7	6.7	5.0	5.7	5.7	6.0	5.0	5.4
SMIRNA (ZW 42-160)	4.3	5.7	4.0	6.0	6.0	5.7	5.7	5.3
BARCROWN	7.0	5.0	4.3	4.7	5.0	4.7	5.3	5.1
SEABREEZE (FRT-30149)	3.0	5.7	4.0	5.0	6.3	4.7	6.0	5.0
MARKER	4.3	4.3	4.7	5.0	5.7	4.7	5.7	4.9
DAWSON	3.0	5.7	2.7	6.3	4.3	2.7	4.3	4.1
LSD VALUE	1.9	1.4	1.5	1.1	1.6	1.2	1.0	0.5

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

TABLE 9D. SEEDLING VIGOR RATINGS OF CHEWINGS FESCUE CULTIVARS
1990-1993 DATA

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

NAME	ID2	IL2	MD1	MN1	OR9	PA1	SK1	MEAN
PUMA	6.0	8.0	4.0	5.7	6.7	7.0	5.0	6.0
SHADOW	4.7	6.7	4.7	6.0	7.3	7.7	4.7	6.0
CAPITOL	5.3	6.3	5.7	5.3	6.7	6.0	5.7	5.9
SR 5000	6.3	6.3	4.3	5.3	6.3	6.7	5.7	5.9
ENJOY	6.3	6.3	5.3	5.3	6.0	6.3	5.0	5.8
JAMESTOWN II	6.0	5.3	4.0	6.0	7.3	5.7	6.0	5.8
MARY	6.3	5.7	5.0	5.7	6.3	5.7	5.7	5.8
RAYMOND	6.3	5.3	4.0	5.3	7.3	6.0	5.3	5.7
BARNICA	4.3	7.0	4.0	5.3	7.0	6.3	5.3	5.6
EPSOM	7.3	5.7	4.0	5.0	6.0	6.0	5.3	5.6
FERNANDO (HF 112)	4.3	6.7	4.3	5.7	7.0	6.0	5.3	5.6
JAMESTOWN	5.7	6.0	4.0	6.0	6.3	5.7	5.3	5.6
SCARLET	6.3	5.7	4.3	5.7	5.3	6.0	5.7	5.6
RAINBOW	6.3	5.7	3.3	5.3	6.0	6.0	6.0	5.5
BANNER	4.3	6.7	4.3	5.7	6.7	6.0	4.7	5.5
SIMONE (LD 3485)	4.3	6.7	4.0	5.7	6.3	6.3	5.0	5.5
SOUTHPORT	3.7	6.7	4.3	5.7	6.7	5.7	5.7	5.5
TROPHY (ESTORIL)	6.7	4.3	5.0	5.7	5.7	5.3	5.7	5.5
CAMARO	5.3	5.7	4.3	6.0	6.3	5.0	5.7	5.5
BRIDGEPORT (N-105)	4.7	6.0	4.3	5.3	6.0	5.7	5.7	5.4
WILMA	6.0	5.7	4.3	5.3	5.3	5.7	5.3	5.4
PROFORMER (JMB-89)	4.0	5.7	4.7	5.3	6.3	5.3	5.7	5.3
TIFFANY (PST-4CD)	3.3	5.3	5.3	5.3	6.0	6.0	5.7	5.3
MOLINDA	5.0	6.0	4.0	5.7	6.0	5.7	4.3	5.2
DIGNITY (OFI 89-200)	5.3	4.0	4.3	4.7	6.7	4.7	5.0	5.0
WALDORF	5.7	4.7	4.3	4.7	5.7	4.3	5.3	5.0
BARGREEN	3.3	5.0	4.0	5.0	6.7	4.7	5.3	4.9
LONGFELLOW	5.0	5.0	4.0	5.3	5.0	4.7	5.0	4.9
PST-4FE	2.7	4.3	4.7	5.7	6.3	5.0	5.3	4.9
SHADOW W/ENDO. (PST-SHE)	2.3	6.0	3.7	5.7	6.3	5.0	5.0	4.9
BARLANDER (BAR FR 9F)	5.7	3.3	4.0	4.7	5.7	5.0	5.3	4.8
DOVER (NK 82492)	6.3	3.7	4.0	5.0	5.3	3.7	5.3	4.8
ERG 1143	6.7	3.0	4.0	4.3	5.0	4.7	5.0	4.7
KOKET	3.3	6.0	3.3	5.3	6.0	4.0	4.7	4.7
ATLANTA	3.7	4.7	4.0	5.0	4.7	4.0	4.7	4.4
89.LKR	.	.	5.0	.	.	2.0	.	3.5
LSD VALUE	2.2	1.7	1.3	1.0	1.4	1.6	1.3	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 9E. SEEDLING VIGOR RATINGS OF HARD FESCUE CULTIVARS
1990-1993 DATA

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

NAME	ID2	IL2	MD1	MN1	OR9	PA1	SK1	MEAN
SERRA	6.0	6.7	4.7	5.0	6.0	2.7	5.3	5.2
RELIANT-NO ENDOPHYTE	6.0	5.0	3.7	5.3	5.7	2.7	4.7	4.7
SR 3000	6.0	4.0	4.0	5.3	4.7	2.3	5.3	4.5
BARDUR (BAR FO 9A2)	5.7	6.0	4.0	4.7	4.0	2.7	4.3	4.5
BRIGADE (MELODY)	6.3	4.0	4.0	5.3	4.3	3.0	4.3	4.5
PST-4AG	4.7	4.7	4.0	5.7	5.3	2.0	4.7	4.4
RELIANT-W/ ENDOPHYTE	4.7	4.7	3.7	5.3	5.3	2.7	4.7	4.4
EUREKA	5.3	5.3	3.7	5.3	3.7	2.3	5.0	4.4
SCALDIS	4.3	5.0	4.3	5.7	5.0	2.0	4.3	4.4
SILVANA	4.3	5.0	4.0	5.3	5.0	2.3	4.7	4.4
DISCOVERY (PST-4HD)	4.0	3.7	4.3	4.3	5.7	3.3	4.7	4.3
AURORA	4.0	4.7	4.7	4.7	4.3	2.0	4.7	4.1
ATTILA	3.7	4.3	4.0	4.3	4.7	2.0	4.7	4.0
BILJART	3.3	5.0	3.7	4.3	4.3	2.3	4.7	4.0
VALDA	3.7	4.0	4.0	4.7	4.0	2.3	4.7	3.9
AURORA W/ENDO. (PST-AUE)	2.0	4.3	3.7	5.0	5.0	2.0	4.7	3.8
SR 3100 (SRX 89-31)	3.0	3.3	4.3	4.0	3.7	3.0	4.7	3.7
WARWICK	.	.	3.7	.	.	.	.	3.7
BARREPP0	1.7	3.7	3.0	4.3	3.7	1.3	3.7	3.0
LSD VALUE	1.8	1.6	1.3	0.9	2.1	1.2	0.9	0.6

TABLE 9F. SEEDLING VIGOR RATINGS OF SHEEP FESCUE CULTIVARS
1990-1993 DATA

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

NAME	ID2	IL2	MD1	MN1	OR9	PA1	SK1	MEAN
MX 86	3.7	7.0	4.0	6.3	4.7	3.0	5.3	4.9
BIGHORN	4.0	3.3	3.3	4.3	4.0	2.3	5.3	3.8
LSD VALUE	2.4	1.7	0.7	0.9	2.1	0.7	0.9	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 10A. SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	ID2	OH2	OR9	PA1	SK1	MEAN
TIFFANY (PST-4CD)	8.0	6.5	5.7	5.7	6.0	6.4
89.LKR	.	.	6.0	6.7	.	6.3
BRIDGEPORT (N-105)	7.7	6.2	6.3	6.0	5.3	6.3
JASPER	7.0	6.3	5.7	5.3	6.3	6.1
SR 3000	6.7	6.8	4.7	6.7	5.7	6.1
RAINBOW	7.7	5.5	6.3	5.3	5.7	6.1
SCARLET	8.0	5.5	6.0	6.3	4.7	6.1
SMIRNA (ZW 42-160)	6.7	5.7	6.0	6.3	5.7	6.1
RELIANT-NO ENDOPHYTE	6.0	7.0	5.3	6.3	5.7	6.1
TROPHY (ESTORIL)	7.3	5.2	6.0	5.7	6.0	6.0
CAPITOL	7.7	5.3	6.0	5.0	6.0	6.0
NAPOLI (LD 3488)	7.3	5.3	5.3	5.7	6.3	6.0
DIGNITY (OFI 89-200)	7.0	5.8	6.0	6.0	5.0	6.0
JAMESTOWN II	6.7	5.8	6.7	5.3	5.3	6.0
SHADOW W/ENDO. (PST-SHE)	6.7	6.0	6.3	5.0	5.7	5.9
SR 5000	7.0	6.7	6.0	5.3	4.7	5.9
PST-43F	6.3	6.0	6.7	6.3	4.3	5.9
PROFORMER (JMB-89)	5.0	6.8	6.3	5.7	5.7	5.9
MARY	8.0	4.5	6.3	5.3	5.3	5.9
SOUTHPORT	6.3	6.5	6.3	5.0	5.3	5.9
EPSOM	6.7	5.0	5.7	6.0	6.0	5.9
PST-4FE	6.0	6.7	5.7	5.3	5.7	5.9
PST-4NI	5.7	6.3	6.3	5.0	6.0	5.9
BARGREEN	6.7	5.2	6.0	6.0	5.3	5.8
LONGFELLOW	5.7	6.2	5.7	6.0	5.7	5.8
RAYMOND	6.7	5.2	7.0	5.3	5.0	5.8
RELIANT-W/ ENDOPHYTE	6.3	6.2	4.3	6.7	5.7	5.8
BARDUR (BAR FO 9A2)	5.3	6.5	4.3	7.3	5.7	5.8
FERNANDO (HF 112)	7.3	4.5	6.3	5.7	5.3	5.8
SHADEMASTER	6.7	6.7	5.7	4.7	5.3	5.8
WILMA	6.7	5.7	5.7	5.0	6.0	5.8
MARKER	7.3	4.5	5.7	5.7	5.7	5.8
BARREPPPO	7.3	5.2	3.7	6.3	6.3	5.8
BARSKOL (BAR FR 9P)	7.7	4.5	5.3	6.0	5.3	5.8
ENJOY	7.7	4.8	6.0	5.3	5.0	5.8
JAMESTOWN	6.3	6.8	5.7	4.3	5.7	5.8
ATLANTA	6.3	5.0	5.7	6.0	5.7	5.7
AURORA W/ENDO. (PST-AUE)	5.7	6.3	4.7	6.7	5.3	5.7
DAWSON	6.7	5.3	4.7	5.3	6.7	5.7
KOKET	7.7	5.3	5.7	4.3	5.7	5.7
DOVER (NK 82492)	6.3	6.0	5.7	5.3	5.3	5.7
SHADOW	6.3	6.2	6.7	4.3	5.0	5.7
BARLANDER (BAR FR 9F)	7.7	4.7	5.7	5.7	4.7	5.7
PUMA	6.0	6.3	6.0	4.7	5.3	5.7
SERRA	5.7	6.8	3.7	6.7	5.3	5.6
WALDORF	6.7	5.2	6.0	5.3	5.0	5.6
DISCOVERY (PST-4HD)	5.0	6.7	4.7	7.0	4.7	5.6
BARCROWN	7.7	4.3	5.3	5.7	5.0	5.6
BARLOTTE	6.3	5.0	6.0	5.0	5.7	5.6

SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	ID2	OH2	OR9	PA1	SK1	MEAN
EUREKA	5.7	6.3	3.3	6.3	6.3	5.6
PST-4AG	5.3	6.0	4.7	6.7	5.3	5.6
PST-4C8	6.7	5.7	5.7	5.0	5.0	5.6
SALEM	6.0	6.3	5.3	4.7	5.7	5.6
BRIGADE (MELODY)	5.7	6.5	4.0	6.7	5.0	5.6
ELANOR	5.7	5.2	5.7	5.7	5.7	5.6
SEABREEZE (FRT-30149)	6.0	5.2	6.0	5.0	5.7	5.6
CAMARO	6.0	5.8	5.7	5.3	5.0	5.6
HERALD	5.3	5.8	6.0	4.7	6.0	5.6
AURORA	4.7	6.0	4.3	6.7	6.0	5.5
BILJART	6.0	6.0	4.0	6.3	5.3	5.5
PST-4R3	5.7	6.0	5.3	5.3	5.3	5.5
WW RS 138	5.7	5.5	5.7	5.0	5.7	5.5
COLLO (LD 3414)	5.7	5.2	5.7	5.3	5.7	5.5
CINDY	5.0	5.7	5.3	4.7	6.7	5.5
SCALDIS	5.0	6.7	4.3	6.3	5.0	5.5
MOLINDA	6.0	5.2	5.7	5.0	5.3	5.4
VISTA	6.0	6.2	5.3	5.0	4.7	5.4
BANNER	6.7	5.8	5.3	4.3	5.0	5.4
SIMONE (LD 3485)	6.3	4.5	6.3	5.7	4.3	5.4
BARNICA	7.0	5.3	5.0	5.0	4.7	5.4
ERG 1143	6.3	4.7	5.0	5.7	5.3	5.4
VALDA	4.7	5.7	3.7	6.3	6.7	5.4
WW RS 143	5.7	5.7	5.7	4.3	5.7	5.4
ATTILA	4.3	5.8	4.0	6.7	6.0	5.4
SILVANA	4.7	5.5	4.0	6.0	6.3	5.3
FLYER	5.0	5.3	5.0	5.7	5.3	5.3
SYLVIA (WW RS 130)	5.7	5.7	4.7	5.3	5.0	5.3
HF 138	5.3	5.2	5.3	4.7	5.7	5.2
REVERE (NK 88001)	5.0	4.7	5.0	5.0	6.3	5.2
FRANKLIN	4.0	5.8	5.3	5.3	5.3	5.2
BARGENA	5.0	5.7	5.3	4.0	5.7	5.1
BOREAL	6.0	5.3	5.3	4.3	4.7	5.1
TALUS (LD 3438)	6.0	4.8	4.7	5.3	4.7	5.1
CLAUDIA	5.0	6.0	4.7	3.3	6.3	5.1
SUNSET (ZW 42-158)	5.0	5.3	5.0	4.3	5.7	5.1
SYLVESTER	5.7	5.5	5.0	4.7	4.3	5.0
COMFORT (HF 102)	6.3	4.3	5.3	4.0	5.0	5.0
BARGENA II (BAR FR8RC3)	5.0	5.2	5.7	4.0	5.0	5.0
BIGHORN	4.3	6.2	3.3	6.3	4.7	5.0
SR 3100 (SRX 89-31)	4.3	6.2	3.7	5.7	5.0	5.0
ENSYLVA	4.0	6.0	5.0	4.0	5.3	4.9
BELVEDERE	4.3	5.7	5.0	4.3	4.7	4.8
MX 86	2.7	6.5	4.0	5.3	5.0	4.7
LSD VALUE	1.9	1.8	1.2	1.1	1.2	0.8

1/ SPRING DENSITY RATED AT "ID2" IN 1991, AT "OH2" IN 1992, AT "OR9" IN 1990 AND AT "PA1" & "SK1" IN 1993.

2/ 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. SPRING DENSITY RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	ID2	OH2	OR9	PA1	SK1	MEAN
JASPER	7.0	6.3	5.7	5.3	6.3	6.1
PST-43F	6.3	6.0	6.7	6.3	4.3	5.9
PST-4NI	5.7	6.3	6.3	5.0	6.0	5.9
SHADEMASTER	6.7	6.7	5.7	4.7	5.3	5.8
PST-4C8	6.7	5.7	5.7	5.0	5.0	5.6
SALEM	6.0	6.3	5.3	4.7	5.7	5.6
ELANOR	5.7	5.2	5.7	5.7	5.7	5.6
HERALD	5.3	5.8	6.0	4.7	6.0	5.6
PST-4R3	5.7	6.0	5.3	5.3	5.3	5.5
WW RS 138	5.7	5.5	5.7	5.0	5.7	5.5
COLLO (LD 3414)	5.7	5.2	5.7	5.3	5.7	5.5
CINDY	5.0	5.7	5.3	4.7	6.7	5.5
VISTA	6.0	6.2	5.3	5.0	4.7	5.4
WW RS 143	5.7	5.7	5.7	4.3	5.7	5.4
FLYER	5.0	5.3	5.0	5.7	5.3	5.3
SYLVIA (WW RS 130)	5.7	5.7	4.7	5.3	5.0	5.3
REVERE (NK 88001)	5.0	4.7	5.0	5.0	6.3	5.2
FRANKLIN	4.0	5.8	5.3	5.3	5.3	5.2
BARGENA	5.0	5.7	5.3	4.0	5.7	5.1
BOREAL	6.0	5.3	5.3	4.3	4.7	5.1
TALUS (LD 3438)	6.0	4.8	4.7	5.3	4.7	5.1
CLAUDIA	5.0	6.0	4.7	3.3	6.3	5.1
SUNSET (ZW 42-158)	5.0	5.3	5.0	4.3	5.7	5.1
SYLVESTER	5.7	5.5	5.0	4.7	4.3	5.0
BARGENA II (BAR FR&RC3)	5.0	5.2	5.7	4.0	5.0	5.0
ENSYLVA	4.0	6.0	5.0	4.0	5.3	4.9
BELVEDERE	4.3	5.7	5.0	4.3	4.7	4.8
LSD VALUE	2.2	1.8	1.0	1.0	1.1	0.8

TABLE 10C. SPRING DENSITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	ID2	OH2	OR9	PA1	SK1	MEAN
SMIRNA (ZW 42-160)	6.7	5.7	6.0	6.3	5.7	6.1
NAPOLI (LD 3488)	7.3	5.3	5.3	5.7	6.3	6.0
MARKER	7.3	4.5	5.7	5.7	5.7	5.8
BARSKOL (BAR FR 9P)	7.7	4.5	5.3	6.0	5.3	5.8
DAWSON	6.7	5.3	4.7	5.3	6.7	5.7
BARCROWN	7.7	4.3	5.3	5.7	5.0	5.6
BARLOTTE	6.3	5.0	6.0	5.0	5.7	5.6
SEABREEZE (FRT-30149)	6.0	5.2	6.0	5.0	5.7	5.6
HF 138	5.3	5.2	5.3	4.7	5.7	5.2
COMFORT (HF 102)	6.3	4.3	5.3	4.0	5.0	5.0
LSD VALUE	1.8	2.8	1.2	0.9	1.2	1.1

- 1/ SPRING DENSITY RATED AT "ID2" IN 1991, AT "OH2" IN 1992, AT "OR9" IN 1990 AND AT "PA1" & "SK1" IN 1993.
2/ 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. SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OH2	OR9	PA1	SK1	MEAN
TIFFANY (PST-4CD)	8.0	6.5	5.7	5.7	6.0	6.4
89.LKR	.	.	6.0	6.7	.	6.3
BRIDGEPORT (N-105)	7.7	6.2	6.3	6.0	5.3	6.3
RAINBOW	7.7	5.5	6.3	5.3	5.7	6.1
SCARLET	8.0	5.5	6.0	6.3	4.7	6.1
TROPHY (ESTORIL)	7.3	5.2	6.0	5.7	6.0	6.0
CAPITOL	7.7	5.3	6.0	5.0	6.0	6.0
DIGNITY (OFI 89-200)	7.0	5.8	6.0	6.0	5.0	6.0
JAMESTOWN II	6.7	5.8	6.7	5.3	5.3	6.0
SHADOW W/ENDO. (PST-SHE)	6.7	6.0	6.3	5.0	5.7	5.9
SR 5000	7.0	6.7	6.0	5.3	4.7	5.9
PROFORMER (JMB-89)	5.0	6.8	6.3	5.7	5.7	5.9
MARY	8.0	4.5	6.3	5.3	5.3	5.9
SOUTHPORT	6.3	6.5	6.3	5.0	5.3	5.9
EPSOM	6.7	5.0	5.7	6.0	6.0	5.9
PST-4FE	6.0	6.7	5.7	5.3	5.7	5.9
BARGREEN	6.7	5.2	6.0	6.0	5.3	5.8
LONGFELLOW	5.7	6.2	5.7	6.0	5.7	5.8
RAYMOND	6.7	5.2	7.0	5.3	5.0	5.8
FERNANDO (HF 112)	7.3	4.5	6.3	5.7	5.3	5.8
WILMA	6.7	5.7	5.7	5.0	6.0	5.8
ENJOY	7.7	4.8	6.0	5.3	5.0	5.8
JAMESTOWN	6.3	6.8	5.7	4.3	5.7	5.8
ATLANTA	6.3	5.0	5.7	6.0	5.7	5.7
KOKET	7.7	5.3	5.7	4.3	5.7	5.7
DOVER (NK 82492)	6.3	6.0	5.7	5.3	5.3	5.7
SHADOW	6.3	6.2	6.7	4.3	5.0	5.7
BARLANDER (BAR FR 9F)	7.7	4.7	5.7	5.7	4.7	5.7
PUMA	6.0	6.3	6.0	4.7	5.3	5.7
WALDORF	6.7	5.2	6.0	5.3	5.0	5.6
CAMARO	6.0	5.8	5.7	5.3	5.0	5.6
MOLINDA	6.0	5.2	5.7	5.0	5.3	5.4
BANNER	6.7	5.8	5.3	4.3	5.0	5.4
SIMONE (LD 3485)	6.3	4.5	6.3	5.7	4.3	5.4
BARNICA	7.0	5.3	5.0	5.0	4.7	5.4
ERG 1143	6.3	4.7	5.0	5.7	5.3	5.4
LSD VALUE	1.7	1.7	1.2	1.1	1.3	0.8

1/ SPRING DENSITY RATED AT "ID2" IN 1991, AT "OH2" IN 1992, AT "OR9" IN 1990 AND AT "PA1" & "SK1" IN 1993.

2/ 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. SPRING DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OH2	OR9	PA1	SK1	MEAN
SR 3000	6.7	6.8	4.7	6.7	5.7	6.1
RELIANT-NO ENDOPHYTE	6.0	7.0	5.3	6.3	5.7	6.1
RELIANT-W/ ENDOPHYTE	6.3	6.2	4.3	6.7	5.7	5.8
BARDUR (BAR FO 9A2)	5.3	6.5	4.3	7.3	5.7	5.8
BARREPO	7.3	5.2	3.7	6.3	6.3	5.8
AURORA W/ENDO. (PST-AUE)	5.7	6.3	4.7	6.7	5.3	5.7
SERRA	5.7	6.8	3.7	6.7	5.3	5.6
DISCOVERY (PST-4HD)	5.0	6.7	4.7	7.0	4.7	5.6
EUREKA	5.7	6.3	3.3	6.3	6.3	5.6
PST-4AG	5.3	6.0	4.7	6.7	5.3	5.6
BRIGADE (MELODY)	5.7	6.5	4.0	6.7	5.0	5.6
AURORA	4.7	6.0	4.3	6.7	6.0	5.5
BILJART	6.0	6.0	4.0	6.3	5.3	5.5
SCALDIS	5.0	6.7	4.3	6.3	5.0	5.5
VALDA	4.7	5.7	3.7	6.3	6.7	5.4
ATTILA	4.3	5.8	4.0	6.7	6.0	5.4
SILVANA	4.7	5.5	4.0	6.0	6.3	5.3
SR 3100 (SRX 89-31)	4.3	6.2	3.7	5.7	5.0	5.0
LSD VALUE	1.8	1.1	1.3	1.2	1.2	0.6

TABLE 10F. SPRING DENSITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OH2	OR9	PA1	SK1	MEAN
BIGHORN	4.3	6.2	3.3	6.3	4.7	5.0
MX 86	2.7	6.5	4.0	5.3	5.0	4.7
LSD VALUE	0.9	0.7	1.3	0.9	1.7	0.5

1/ SPRING DENSITY RATED AT "ID2" IN 1991, AT "OH2" IN 1992, AT "OR9" IN 1990 AND AT "PA1" & "SK1" IN 1993.

2/ 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.

SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	ID2	OR9	SK1	MEAN	NAME	ID2	OR9	SK1	MEAN
PARCROWN	7.3	7.3	6.0	6.9	CAMARO	7.3	5.7	5.3	6.1
NAPOLI (LD 3488)	7.0	6.7	6.7	6.8	DOVER (NK 82492)	7.3	5.7	5.3	6.1
JASPER	7.7	6.3	6.3	6.8	MARY	7.0	6.0	5.3	6.1
SMIRNA (ZW 42-160)	7.5	6.0	6.7	6.7	PST-4NI	6.3	6.0	6.0	6.1
89.LKR	.	6.7	.	6.7	RAINBOW	7.0	5.3	6.0	6.1
PARSKOL (BAR FR 9P)	7.7	6.0	6.3	6.7	REVERE (NK 88001)	6.3	5.7	6.3	6.1
CINDY	7.3	6.0	6.7	6.7	BARLANDER (BAR FR 9F)	6.7	6.3	5.0	6.0
DAWSON	7.3	6.0	6.7	6.7	COLLO (LD 3414)	7.0	5.0	6.0	6.0
HERALD	7.0	6.3	6.7	6.7	ERG 1143	6.0	6.0	6.0	6.0
MARKER	7.0	6.3	6.7	6.7	RAYMOND	7.3	5.3	5.3	6.0
DIGNITY (OFI 89-200)	7.3	6.7	5.7	6.6	SHADEMASTER	6.0	6.0	6.0	6.0
EST-4FE	7.3	6.7	5.7	6.6	SILVANA	6.0	5.3	6.7	6.0
TROPHY (ESTORIL)	7.7	5.7	6.3	6.6	SIMONE (LD 3485)	7.7	5.3	5.0	6.0
BARLOTTE	7.7	5.7	6.0	6.4	SR 3000	6.3	5.3	6.3	6.0
TIFFANY (PST-4CD)	6.7	6.0	6.7	6.4	SYLVIA (WW RS 130)	7.0	6.0	5.0	6.0
CAPITOL	7.3	6.0	6.0	6.4	WALDORF	7.0	5.3	5.7	6.0
KOKET	7.3	5.7	6.3	6.4	FLYER	6.5	5.7	5.7	5.9
LONGFELLOW	6.3	6.7	6.3	6.4	FERNANDO (HF 112)	7.0	5.0	5.7	5.9
SEABREEZE (FRT-30149)	7.0	6.3	6.0	6.4	VISTA	6.3	5.7	5.7	5.9
SR 5000	7.7	6.3	5.3	6.4	BARGENA II (BAR FR8RC3)	6.3	6.0	5.3	5.9
ARDUR (BAR FO 9A2)	7.0	6.0	6.0	6.3	SUNSET (ZW 42-158)	7.0	5.3	5.3	5.9
BARGREEN	7.3	5.7	6.0	6.3	PST-4AG	6.0	5.7	5.7	5.8
JAMESTOWN	7.0	6.0	6.0	6.3	BRIGADE (MELODY)	6.7	5.3	5.3	5.8
JAMESTOWN II	7.3	6.0	5.7	6.3	COMFORT (HF 102)	6.3	5.3	5.7	5.8
MOLINDA	6.7	6.0	6.3	6.3	DISCOVERY (PST-4HD)	6.0	6.0	5.3	5.8
EST-43F	7.0	6.3	5.7	6.3	RELIANT-NO ENDOPHYTE	5.7	5.3	6.3	5.8
EST-4C8	7.7	6.0	5.3	6.3	SCARLET	7.7	5.3	4.3	5.8
FUMA	7.0	6.3	5.7	6.3	TALUS (LD 3438)	7.0	5.3	5.0	5.8
SHADOW	6.7	6.7	5.7	6.3	VALDA	6.0	5.0	6.3	5.8
SHADOW W/ENDO. (PST-SHE)	6.7	6.0	6.3	6.3	ATTILA	5.7	5.3	6.0	5.7
WILMA	7.3	5.7	6.0	6.3	BARGENA	6.0	6.0	5.0	5.7
WW RS 143	6.3	6.3	6.3	6.3	BARREPPPO	5.7	5.0	6.3	5.7
BARNICA	7.7	6.0	5.0	6.2	BILJART	6.3	5.0	5.7	5.7
CLAUDIA	6.7	6.0	6.0	6.2	FRANKLIN	6.0	5.3	5.7	5.7
ELANOR	7.0	5.7	6.0	6.2	RELIANT-W/ ENDOPHYTE	6.3	5.3	5.3	5.7
ENJOY	7.7	5.7	5.3	6.2	SR 3100 (SRX 89-31)	6.7	5.0	5.3	5.7
HF 138	7.0	6.0	5.7	6.2	SERRA	6.0	5.0	5.7	5.6
PROFORMER (JMB-89)	5.7	6.7	6.3	6.2	SYLVESTER	6.7	5.7	4.3	5.6
EST-4R3	7.0	5.7	6.0	6.2	AURORA W/ENDO. (PST-AUE)	6.0	5.3	5.3	5.6
SALEM	7.0	5.7	6.0	6.2	BELVEDERE	5.0	5.7	5.7	5.4
BANNER	7.3	6.0	5.3	6.2	ENSYLVA	5.3	5.3	5.7	5.4
BOREAL	7.3	6.3	5.0	6.2	AURORA	5.5	5.0	5.7	5.4
SOUTHPORT	7.3	6.0	5.3	6.2	SCALDIS	5.0	5.0	5.7	5.2
ATLANTA	6.5	5.7	6.3	6.2	BIGHORN	3.7	5.0	5.3	4.7
EPSOM	7.0	5.7	5.7	6.1	MX 86	3.5	5.0	5.3	4.6
EUREKA	6.7	5.0	6.7	6.1					
WW RS 138	6.7	6.0	5.7	6.1	LSO VALUE	1.3	0.9	1.2	0.7
BRIDGEPORT (N-105)	6.3	6.7	5.3	6.1					

1/ SUMMER DENSITY RATED AT "ID2" & "OR9" IN 1990 AND AT "SK1" IN 1993.

2/ 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. SUMMER DENSITY RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	ID2	OR9	SK1	MEAN
JASPER	7.7	6.3	6.3	6.8
CINDY	7.3	6.0	6.7	6.7
HERALD	7.0	6.3	6.7	6.7
PST-43F	7.0	6.3	5.7	6.3
PST-4C8	7.7	6.0	5.3	6.3
WW RS 143	6.3	6.3	6.3	6.3
CLAUDIA	6.7	6.0	6.0	6.2
ELANOR	7.0	5.7	6.0	6.2
PST-4R3	7.0	5.7	6.0	6.2
SALEM	7.0	5.7	6.0	6.2
BOREAL	7.3	6.3	5.0	6.2
WW RS 138	6.7	6.0	5.7	6.1
PST-4NI	6.3	6.0	6.0	6.1
REVERE (NK 88001)	6.3	5.7	6.3	6.1
COLLO (LD 3414)	7.0	5.0	6.0	6.0
SHADEMASTER	6.0	6.0	6.0	6.0
SYLVIA (WW RS 130)	7.0	6.0	5.0	6.0
FLYER	6.5	5.7	5.7	5.9
VISTA	6.3	5.7	5.7	5.9
BARGENA II (BAR FR8RC3)	6.3	6.0	5.3	5.9
SUNSET (ZW 42-158)	7.0	5.3	5.3	5.9
TALUS (LD 3438)	7.0	5.3	5.0	5.8
BARGENA	6.0	6.0	5.0	5.7
FRANKLIN	6.0	5.3	5.7	5.7
SYLVESTER	6.7	5.7	4.3	5.6
BELVEDERE	5.0	5.7	5.7	5.4
ENSYLVA	5.3	5.3	5.7	5.4
LSD VALUE	1.3	0.9	1.3	0.7

TABLE 11C. SUMMER DENSITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	ID2	OR9	SK1	MEAN
BARCROWN	7.3	7.3	6.0	6.9
NAPOLI (LD 3488)	7.0	6.7	6.7	6.8
SMIRNA (ZW 42-160)	7.5	6.0	6.7	6.7
BARSKOL (BAR FR 9P)	7.7	6.0	6.3	6.7
DAWSON	7.3	6.0	6.7	6.7
MARKER	7.0	6.3	6.7	6.7
BARLOTTE	7.7	5.7	6.0	6.4
SEABREEZE (FRT-30149)	7.0	6.3	6.0	6.4
HF 138	7.0	6.0	5.7	6.2
COMFORT (HF 102)	6.3	5.3	5.7	5.8
LSD VALUE	1.3	0.9	0.9	0.6

1/ SUMMER DENSITY RATED AT "ID2" & "OR9" IN 1990 AND AT "SK1" IN 1993.

2/ 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. SUMMER DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OR9	SK1	MEAN
89.LKR	.	6.7	.	6.7
DIGNITY (OFI 89-200)	7.3	6.7	5.7	6.6
PST-4FE	7.3	6.7	5.7	6.6
TROPHY (ESTORIL)	7.7	5.7	6.3	6.6
TIFFANY (PST-4CD)	6.7	6.0	6.7	6.4
CAPITOL	7.3	6.0	6.0	6.4
KOKET	7.3	5.7	6.3	6.4
LONGFELLOW	6.3	6.7	6.3	6.4
SR 5000	7.7	6.3	5.3	6.4
BARGREEN	7.3	5.7	6.0	6.3
JAMESTOWN	7.0	6.0	6.0	6.3
JAMESTOWN II	7.3	6.0	5.7	6.3
MOLINDA	6.7	6.0	6.3	6.3
PUMA	7.0	6.3	5.7	6.3
SHADOW	6.7	6.7	5.7	6.3
SHADOW W/ENDO. (PST-SHE)	6.7	6.0	6.3	6.3
WILMA	7.3	5.7	6.0	6.3
BARNICA	7.7	6.0	5.0	6.2
ENJOY	7.7	5.7	5.3	6.2
PROFORMER (JMB-89)	5.7	6.7	6.3	6.2
BANNER	7.3	6.0	5.3	6.2
SOUTHPORT	7.3	6.0	5.3	6.2
ATLANTA	6.5	5.7	6.3	6.2
EPSOM	7.0	5.7	5.7	6.1
BRIDGEPORT (N-105)	6.3	6.7	5.3	6.1
CAMARO	7.3	5.7	5.3	6.1
DOVER (NK 82492)	7.3	5.7	5.3	6.1
MARY	7.0	6.0	5.3	6.1
RAINBOW	7.0	5.3	6.0	6.1
BARLANDER (BAR FR 9F)	6.7	6.3	5.0	6.0
ERG 1143	6.0	6.0	6.0	6.0
RAYMOND	7.3	5.3	5.3	6.0
SIMONE (LD 3485)	7.7	5.3	5.0	6.0
WALDORF	7.0	5.3	5.7	6.0
FERNANDO (HF 112)	7.0	5.0	5.7	5.9
SCARLET	7.7	5.3	4.3	5.8
LSD VALUE	1.2	0.9	1.2	0.7

1/ SUMMER DENSITY RATED AT "ID2" & "OR9" IN 1990 AND AT "SK1" IN 1993.

2/ 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. SUMMER DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OR9	SK1	MEAN
BARDUR (BAR FO 9A2)	7.0	6.0	6.0	6.3
EUREKA	6.7	5.0	6.7	6.1
SILVANA	6.0	5.3	6.7	6.0
SR 3000	6.3	5.3	6.3	6.0
PST-4AG	6.0	5.7	5.7	5.8
BRIGADE (MELODY)	6.7	5.3	5.3	5.8
DISCOVERY (PST-4HD)	6.0	6.0	5.3	5.8
RELIANT-NO ENDOPHYTE	5.7	5.3	6.3	5.8
VALDA	6.0	5.0	6.3	5.8
ATTLA	5.7	5.3	6.0	5.7
BARREPPPO	5.7	5.0	6.3	5.7
BILJART	6.3	5.0	5.7	5.7
RELIANT-W/ ENDOPHYTE	6.3	5.3	5.3	5.7
SR 3100 (SRX 89-31)	6.7	5.0	5.3	5.7
SERRA	6.0	5.0	5.7	5.6
AURORA W/ENDO. (PST-AUE)	6.0	5.3	5.3	5.6
AURORA	5.5	5.0	5.7	5.4
SCALDIS	5.0	5.0	5.7	5.2
LSD VALUE	1.4	0.8	1.0	0.6

TABLE 11F. SUMMER DENSITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OR9	SK1	MEAN
BIGHORN	3.7	5	5.3	4.7
MX 86	3.5	5	5.3	4.6
LSD VALUE	1.1	0	1.5	0.6

1/ SUMMER DENSITY RATED AT "ID2" & "OR9" IN 1990 AND AT "SK1" IN 1993.

2/ 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 12A.

FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	ID2	PA1	SK1	MEAN	NAME	ID2	PA1	SK1	MEAN
89.LKR	.	8.3	.	8.3	PST-4NI	6.2	6.7	6.3	6.4
MARKER	7.7	8.0	7.0	7.6	RELIANT-W/ ENDOPHYTE	5.5	8.0	5.7	6.4
SMIRNA (ZW 42-160)	7.8	7.3	7.0	7.4	WIIMA	6.8	6.3	6.0	6.4
TIFFANY (PST-4CD)	7.8	7.0	7.3	7.4	AURORA W/ENDO. (PST-AUE)	5.8	7.7	5.7	6.4
CINDY	7.3	7.0	7.7	7.3	BRIDGEPORT (N-105)	7.3	6.3	5.3	6.3
BARDUR (BAR FO 9A2)	7.3	8.0	6.7	7.3	PST-4R3	7.2	5.3	6.3	6.3
EJREKA	6.7	8.3	6.7	7.2	FERNANDO (HF 112)	7.2	6.0	5.7	6.3
ATTILA	6.5	9.0	6.0	7.2	PST-4FE	7.2	7.0	4.7	6.3
SR 3000	7.2	8.3	6.0	7.2	SIMONE (LD 3485)	7.2	5.7	6.0	6.3
DAWSON	7.0	7.7	6.7	7.1	VISTA	7.2	5.3	6.3	6.3
VALDA	5.7	9.0	6.7	7.1	JAMESTOWN	6.8	6.3	5.7	6.3
NAPOLI (LD 3488)	7.2	6.7	7.3	7.1	BIGHORN	5.0	7.7	6.0	6.2
SERRA	7.2	8.0	6.0	7.1	KOKET	6.7	5.7	6.3	6.2
SHADOW W/ENDO. (PST-SHE)	7.2	7.0	6.7	6.9	SOUTHPORT	6.7	6.7	5.3	6.2
TROPHY (ESTORIL)	7.2	6.7	7.0	6.9	BANNER	6.8	6.0	5.7	6.2
WALDORF	7.2	7.0	6.7	6.9	BARNICA	7.2	6.7	4.7	6.2
RELIANT-NO ENDOPHYTE	6.0	8.0	6.7	6.9	RAINBOW	7.5	5.3	5.7	6.2
BILJART	6.3	8.0	6.3	6.9	PUMA	7.0	5.7	5.7	6.1
EST-4AG	6.2	8.3	6.0	6.8	WW RS 143	6.7	6.0	5.7	6.1
SCALDIS	6.5	8.7	5.3	6.8	DIGNITY (OFI 89-200)	7.0	5.3	6.0	6.1
AURORA	6.0	8.3	6.0	6.8	EPSOM	7.0	5.3	6.0	6.1
BARCROWN	6.7	8.0	5.7	6.8	SHADEMASTER	6.3	6.3	5.7	6.1
JASPER	7.7	6.0	6.7	6.8	SHADOW	6.3	6.7	5.3	6.1
MARY	7.7	6.7	6.0	6.8	CLAUDIA	6.2	6.0	6.0	6.1
HF 138	7.0	7.0	6.3	6.8	PST-43F	7.2	5.3	5.7	6.1
LONGFELLOW	6.3	7.3	6.7	6.8	ERG 1143	6.5	5.3	6.3	6.1
DISCOVERY (PST-4HD)	5.6	8.3	6.3	6.8	BELVEDERE	5.8	6.3	6.0	6.0
SILVANA	5.6	8.3	6.3	6.8	COLLO (LD 3414)	6.0	5.7	6.3	6.0
CAPITOL	7.2	7.0	6.0	6.7	REVERE (NK 88001)	6.3	5.3	6.3	6.0
SEABREEZE (FRT-30149)	6.8	7.0	6.3	6.7	SUNSET (ZW 42-158)	6.0	6.7	5.3	6.0
BARGREEN	7.0	7.0	6.0	6.7	TALUS (LD 3438)	7.0	5.7	5.3	6.0
SALEM	7.0	6.7	6.3	6.7	WW RS 138	6.3	6.3	5.3	6.0
BARLOTTE	7.2	7.0	5.7	6.6	BARGENA	6.2	6.0	5.7	5.9
BARSKOL (BAR FR 9P)	7.2	6.7	6.0	6.6	DOVER (NK 82492)	7.2	5.7	5.0	5.9
COMFORT (HF 102)	7.2	6.7	6.0	6.6	BARREPPPO	5.8	5.7	6.3	5.9
ENJOY	7.2	7.0	5.7	6.6	CAMARO	6.8	5.7	5.3	5.9
EST-4C8	7.2	7.0	5.7	6.6	FLYER	6.2	5.3	6.0	5.8
JAMESTOWN II	6.8	7.0	6.0	6.6	BARGENA II (BAR FR8RC3)	5.5	5.7	6.0	5.7
SCARLET	7.8	6.0	6.0	6.6	ENSYLVA	5.3	6.0	5.7	5.7
HERALD	6.0	6.7	7.0	6.6	ELANOR	6.5	5.0	5.3	5.6
ATLANTA	7.0	6.3	6.3	6.6	BOREAL	5.8	5.3	5.3	5.5
BRIGADE (MELODY)	6.0	8.7	5.0	6.6	MX 86	4.0	7.7	4.7	5.4
SR 5000	7.3	7.0	5.3	6.6	SYLVESTER	6.5	4.7	5.0	5.4
BARLANDER (BAR FR 9F)	7.5	7.0	5.0	6.5	SYLVIA (WW RS 130)	6.3	5.0	4.7	5.3
MOLINDA	7.2	6.3	6.0	6.5	FRANKLIN	4.8	4.3	5.7	4.9
RAYMOND	7.2	6.3	6.0	6.5					
PROFORMER (JMB-89)	6.3	6.7	6.3	6.4	LSD VALUE	1.1	1.4	1.4	0.8
SR 3100 (SRX 89-31)	6.7	7.3	5.3	6.4					

1/ FALL DENSITY RATED AT "ID2" IN 1990 & 1991, AT "PA1" IN 1991 AND AT "SK1" IN 1993.

2/ 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 12B. FALL DENSITY RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	ID2	PA1	SK1	MEAN
CINDY	7.3	7.0	7.7	7.3
JASPER	7.7	6.0	6.7	6.8
SALEM	7.0	6.7	6.3	6.7
PST-4C8	7.2	7.0	5.7	6.6
HERALD	6.0	6.7	7.0	6.6
PST-4NI	6.2	6.7	6.3	6.4
PST-4R3	7.2	5.3	6.3	6.3
VISTA	7.2	5.3	6.3	6.3
WW RS 143	6.7	6.0	5.7	6.1
SHADEMASTER	6.3	6.3	5.7	6.1
CLAUDIA	6.2	6.0	6.0	6.1
PST-43F	7.2	5.3	5.7	6.1
BELVEDERE	5.8	6.3	6.0	6.0
COLLO (LD 3414)	6.0	5.7	6.3	6.0
REVERE (NK 88001)	6.3	5.3	6.3	6.0
SUNSET (ZW 42-158)	6.0	6.7	5.3	6.0
TALUS (LD 3438)	7.0	5.7	5.3	6.0
WW RS 138	6.3	6.3	5.3	6.0
BARGENA	6.2	6.0	5.7	5.9
FLYER	6.2	5.3	6.0	5.8
BARGENA II (BAR FR8RC3)	5.5	5.7	6.0	5.7
ENSYLVA	5.3	6.0	5.7	5.7
ELANOR	6.5	5.0	5.3	5.6
BOREAL	5.8	5.3	5.3	5.5
SYLVESTER	6.5	4.7	5.0	5.4
SYLVIA (WW RS 130)	6.3	5.0	4.7	5.3
FRANKLIN	4.8	4.3	5.7	4.9
LSD VALUE	1.0	1.8	1.3	0.7

TABLE 12C. FALL DENSITY RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	ID2	PA1	SK1	MEAN
MARKER	7.7	8.0	7.0	7.6
SMIRNA (ZW 42-160)	7.8	7.3	7.0	7.4
DAWSON	7.0	7.7	6.7	7.1
NAPOLI (LD 3488)	7.2	6.7	7.3	7.1
BARCROWN	6.7	8.0	5.7	6.8
HF 138	7.0	7.0	6.3	6.8
SEABREEZE (FRT-30149)	6.8	7.0	6.3	6.7
BARLOTTE	7.2	7.0	5.7	6.6
BARSKOL (BAR FR 9P)	7.2	6.7	6.0	6.6
COMFORT (HF 102)	7.2	6.7	6.0	6.6
LSD VALUE	1.1	0.8	0.9	0.6

1/ FALL DENSITY RATED AT "ID2" IN 1990 & 1991, AT "PA1" IN 1991 AND AT "SK1" IN 1993.

2/ 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 12D. FALL DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	PA1	SK1	MEAN
89.LKR	.	8.3	.	8.3
TIFFANY (PST-4CD)	7.8	7.0	7.3	7.4
SHADOW W/END. (PST-SHE)	7.2	7.0	6.7	6.9
TROPHY (ESTORIL)	7.2	6.7	7.0	6.9
WALDORF	7.2	7.0	6.7	6.9
MARY	7.7	6.7	6.0	6.8
LONGFELLOW	6.3	7.3	6.7	6.8
CAPITOL	7.2	7.0	6.0	6.7
BARGREEN	7.0	7.0	6.0	6.7
ENJOY	7.2	7.0	5.7	6.6
JAMESTOWN II	6.8	7.0	6.0	6.6
SCARLET	7.8	6.0	6.0	6.6
ATLANTA	7.0	6.3	6.3	6.6
SR 5000	7.3	7.0	5.3	6.6
BARLANDER (BAR FR 9F)	7.5	7.0	5.0	6.5
MOLINDA	7.2	6.3	6.0	6.5
RAYMOND	7.2	6.3	6.0	6.5
PROFORMER (JMB-89)	6.3	6.7	6.3	6.4
WILMA	6.8	6.3	6.0	6.4
BRIDGEPORT (N-105)	7.3	6.3	5.3	6.3
FERNANDO (HF 112)	7.2	6.0	5.7	6.3
PST-4FE	7.2	7.0	4.7	6.3
SIMONE (LD 3485)	7.2	5.7	6.0	6.3
JAMESTOWN	6.8	6.3	5.7	6.3
KOKET	6.7	5.7	6.3	6.2
SOUTHPORT	6.7	6.7	5.3	6.2
BANNER	6.8	6.0	5.7	6.2
BARNICA	7.2	6.7	4.7	6.2
RAINBOW	7.5	5.3	5.7	6.2
PUMA	7.0	5.7	5.7	6.1
DIGNITY (OFI 89-200)	7.0	5.3	6.0	6.1
EPSOM	7.0	5.3	6.0	6.1
SHADOW	6.3	6.7	5.3	6.1
ERG 1143	6.5	5.3	6.3	6.1
DOVER (NK 82492)	7.2	5.7	5.0	5.9
CAMARO	6.8	5.7	5.3	5.9
LSD VALUE	1.1	1.4	1.6	0.8

1/ FALL DENSITY RATED AT "ID2" IN 1990 & 1991, AT "PA1" IN 1991 AND AT "SK1" IN 1993.

2/ 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 12E. FALL DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	PA1	SK1	MEAN
BARDUR (BAR FO 9A2)	7.3	8.0	6.7	7.3
EUREKA	6.7	8.3	6.7	7.2
ATTILA	6.5	9.0	6.0	7.2
SR 3000	7.2	8.3	6.0	7.2
VALDA	5.7	9.0	6.7	7.1
SERRA	7.2	8.0	6.0	7.1
RELIANT-NO ENDOPHYTE	6.0	8.0	6.7	6.9
BILJART	6.3	8.0	6.3	6.9
PST-4AG	6.2	8.3	6.0	6.8
SCALDIS	6.5	8.7	5.3	6.8
AURORA	6.0	8.3	6.0	6.8
DISCOVERY (PST-4HD)	5.6	8.3	6.3	6.8
SILVANA	5.6	8.3	6.3	6.8
BRIGADE (MELODY)	6.0	8.7	5.0	6.6
SR 3100 (SRX 89-31)	6.7	7.3	5.3	6.4
RELIANT-W/ ENDOPHYTE	5.5	8.0	5.7	6.4
AURORA W/ENDO. (PST-AUE)	5.8	7.7	5.7	6.4
BARREPPPO	5.8	5.7	6.3	5.9
LSD VALUE	1.3	1.0	1.3	0.8

TABLE 12F. FALL DENSITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	PA1	SK1	MEAN
BIGHORN	5.0	7.7	6.0	6.2
MX 86	4.0	7.7	4.7	5.4
LSD VALUE	1.1	0.9	1.3	0.7

1/ FALL DENSITY RATED AT "ID2" IN 1990 & 1991, AT "PA1" IN 1991 AND AT "SK1" IN 1993.

2/ 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 13A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	ID2	PA2	UB1	MEAN	NAME	ID2	PA2	UB1	MEAN
WARWICK	.	.	97.7	97.7	BARGENA II (BAR FR8RC3)	87.2	92.0	50.0	76.4
SR 5000	94.0	94.0	95.0	94.3	BIGHORN	50.0	89.0	90.0	76.3
SERRA	85.0	94.0	99.0	92.7	FLYER	78.8	91.7	58.3	76.3
SR 3000	85.0	94.0	96.3	91.8	PST-4C8	81.5	91.3	55.0	75.9
JAMESTOWN II	88.0	91.7	93.0	90.9	BOREAL	89.7	93.0	45.0	75.9
BRIDGEPORT (N-105)	90.3	91.3	90.0	90.6	PST-4FE	87.2	82.3	56.7	75.4
EUREKA	78.3	95.0	97.7	90.3	SEABREEZE (FRT-30149)	80.7	88.0	56.7	75.1
LONGFELLOW	85.7	91.7	93.0	90.1	DOVER (NK 82492)	84.8	93.3	46.7	74.9
SHADOW W/ENDO. (PST-SHE)	85.7	90.0	90.0	88.6	ELANOR	84.8	90.0	48.3	74.4
SOUTHPORT	86.3	88.3	90.0	88.2	BARGREEN	82.3	93.3	46.7	74.1
BRIGADE (MELODY)	74.2	92.3	97.7	88.1	COLLO (LD 3414)	81.6	85.7	55.0	74.1
SCALDIS	70.8	91.3	97.7	86.6	JAMESTOWN	70.7	94.0	56.7	73.8
BILJART	74.2	90.7	93.3	86.1	ATLANTA	77.5	81.7	61.7	73.6
TIFFANY (PST-4CD)	88.8	89.0	80.0	85.9	BARIOTTE	89.8	96.0	35.0	73.6
SILVANA	75.8	91.3	90.0	85.7	REVERE (NK 88001)	79.2	.	66.7	72.9
DIGNITY (OFI 89-200)	89.0	90.0	76.7	85.2	EPSOM	71.7	.	73.3	72.5
RELIANT-NO ENDOPHYTE	82.3	95.0	78.3	85.2	BARCROWN	87.2	94.0	35.0	72.1
PROFORMER (JMB-89)	73.2	90.7	91.7	85.2	CAPITOL	80.5	94.0	41.7	72.1
PST-43F	91.5	90.7	73.3	85.2	ENJOY	93.0	92.3	28.3	71.2
SHADEMASTER	84.8	92.3	78.3	85.2	MARKER	91.3	89.0	33.3	71.2
SR 3100 (SRX 89-31)	65.8	90.0	99.0	84.9	SYLVESTER	88.0	83.3	41.7	71.0
WALDORF	86.5	92.3	75.0	84.6	HF 138	80.7	86.7	41.7	69.7
VISTA	88.0	94.0	70.0	84.0	MOLINDA	90.7	91.7	26.7	69.7
VALDA	70.0	93.3	88.3	83.9	COMFORT (HF 102)	89.0	94.0	25.3	69.4
JASPER	89.2	91.3	70.0	83.5	BARSKOL (BAR FR 9P)	95.5	93.0	18.3	68.9
PST-4R3	78.8	90.0	81.7	83.5	MARY	93.8	94.0	19.0	68.9
PST-4AG	62.5	92.3	95.0	83.3	CINDY	84.0	93.3	28.3	68.6
RELIANT-W/ ENDOPHYTE	71.5	92.3	85.0	82.9	SYLVIA (WW RS 130)	90.8	80.0	33.3	68.1
BANNER	85.7	91.3	71.7	82.9	NAPOLI (LD 3488)	88.2	89.0	26.7	67.9
BARBUR (BAR FO 9A2)	67.5	94.0	86.7	82.7	RAYMOND	84.8	92.3	26.7	67.9
MX 86	60.8	89.0	97.7	82.5	BARREPPPO	76.7	45.0	81.7	67.8
WW RS 143	89.0	95.0	63.3	82.4	BARNICA	83.8	92.3	26.7	67.6
AURORA	57.5	93.0	96.3	82.3	PUMA	80.5	93.3	28.3	67.4
PST-4NI	78.3	93.3	73.3	81.7	SCARLET	91.7	88.3	22.0	67.3
TALUS (LD 3438)	79.0	91.7	73.3	81.3	ERG 1143	86.5	89.0	23.3	66.3
SALEM	84.8	88.3	70.0	81.1	TROPHY (ESTORIL)	83.2	90.7	25.0	66.3
WW RS 138	89.8	93.0	60.0	80.9	RAINBOW	85.8	90.7	21.7	66.1
89.IKR	.	93.3	68.3	80.8	CAMARO	82.2	89.0	25.3	65.5
BARGENA	86.5	93.3	61.7	80.5	SUNSET (ZW 42-158)	69.8	93.3	33.3	65.5
SHADOW	81.5	93.3	65.0	79.9	BARLANDER (BAR FR 9F)	90.7	92.3	8.7	63.9
BELVEDERE	74.8	90.7	73.3	79.6	SMIRNA (ZW 42-160)	83.8	.	43.3	63.6
ATTILA	65.8	89.0	83.3	79.4	FRANKLIN	68.3	90.7	30.0	63.0
AURORA W/ENDO. (PST-AUE)	72.3	87.3	78.3	79.3	FERNANDO (HF 112)	79.8	92.0	16.7	62.8
CLAUDIA	90.7	93.3	53.3	79.1	SIMONE (LD 3485)	84.8	89.7	10.0	61.5
HERALD	84.8	90.7	58.3	77.9	DAWSON	87.2	41.7	55.0	61.3
DISCOVERY (PST-4HD)	45.0	92.3	96.3	77.9	KOKET	76.3	81.7	10.0	56.0
ENSYLVA	90.0	91.7	51.7	77.8					
WILMA	88.2	90.0	51.7	76.6	LSD VALUE	22.1	9.5	26.2	13.7

1/ PERCENT LIVING GROUND COVER (SPRING) RATED AT "ID2" IN 1990 & 1991, AT "PA2" IN 1991 AND AT "UB1" IN 1992.

2/ 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 13B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	ID2	PA2	UB1	MEAN
PST-43F	91.5	90.7	73.3	85.2
SHADEMASTER	84.8	92.3	78.3	85.2
VISTA	88.0	94.0	70.0	84.0
JASPER	89.2	91.3	70.0	83.5
PST-4R3	78.8	90.0	81.7	83.5
WW RS 143	89.0	95.0	63.3	82.4
PST-4NI	78.3	93.3	73.3	81.7
TALUS (LD 3438)	79.0	91.7	73.3	81.3
SALEM	84.8	88.3	70.0	81.1
WW RS 138	89.8	93.0	60.0	80.9
BARGENA	86.5	93.3	61.7	80.5
BELVEDERE	74.8	90.7	73.3	79.6
CLAUDIA	90.7	93.3	53.3	79.1
HERALD	84.8	90.7	58.3	77.9
ENSYLVA	90.0	91.7	51.7	77.8
BARGENA II (BAR FR8RC3)	87.2	92.0	50.0	76.4
FLYER	78.8	91.7	58.3	76.3
PST-4C8	81.5	91.3	55.0	75.9
BOREAL	89.7	93.0	45.0	75.9
ELANOR	84.8	90.0	48.3	74.4
COLLO (LD 3414)	81.6	85.7	55.0	74.1
REVERE (NK 88001)	79.2	.	66.7	72.9
SYLVESTER	88.0	83.3	41.7	71.0
CINDY	84.0	93.3	28.3	68.6
SYLVIA (WW RS 130)	90.8	80.0	33.3	68.1
SUNSET (ZW 42-158)	69.8	93.3	33.3	65.5
FRANKLIN	68.3	90.7	30.0	63.0
LSD VALUE	21.6	5.8	18.6	12.4

TABLE 13C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	ID2	PA2	UB1	MEAN
SEABREEZE (ERT-30149)	80.7	88.0	56.7	75.1
BARLOTTE	89.8	96.0	35.0	73.6
BARCROWN	87.2	94.0	35.0	72.1
MARKER	91.3	89.0	33.3	71.2
HF 138	80.7	86.7	41.7	69.7
COMFORT (HF 102)	89.0	94.0	25.3	69.4
BARSKOL (BAR FR 9P)	95.5	93.0	18.3	68.9
NAPOLI (LD 3488)	88.2	89.0	26.7	67.9
SMIRNA (ZW 42-160)	83.8	.	43.3	63.6
DAWSON	87.2	41.7	55.0	61.3
LSD VALUE	16.1	18.5	38.7	13.5

- 1/ PERCENT LIVING GROUND COVER (SPRING) RATED AT "ID2" IN 1990 & 1991, AT "PA2" IN 1991 AND AT "UB1" IN 1992.
2/ 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 13D. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	ID2	PA2	UB1	MEAN
SR 5000	94.0	94.0	95.0	94.3
JAMESTOWN II	88.0	91.7	93.0	90.9
BRIDGEPORT (N-105)	90.3	91.3	90.0	90.6
LONGFELLOW	85.7	91.7	93.0	90.1
SHADOW W/ENDO. (PST-SHE)	85.7	90.0	90.0	88.6
SOUTHPORT	86.3	88.3	90.0	88.2
TIFFANY (PST-4CD)	88.8	89.0	80.0	85.9
DIGNITY (OFI 89-200)	89.0	90.0	76.7	85.2
PROFORMER (JMB-89)	73.2	90.7	91.7	85.2
WALDORF	86.5	92.3	75.0	84.6
BANNER	85.7	91.3	71.7	82.9
89.LKR	.	93.3	68.3	80.8
SHADOW	81.5	93.3	65.0	79.9
WILMA	88.2	90.0	51.7	76.6
PST-4FE	87.2	82.3	56.7	75.4
DOVER (NK 82492)	84.8	93.3	46.7	74.9
BARGREEN	82.3	93.3	46.7	74.1
JAMESTOWN	70.7	94.0	56.7	73.8
ATLANTA	77.5	81.7	61.7	73.6
EPSOM	71.7	.	73.3	72.5
CAPITOL	80.5	94.0	41.7	72.1
ENJOY	93.0	92.3	28.3	71.2
MOLINDA	90.7	91.7	26.7	69.7
MARY	93.8	94.0	19.0	68.9
RAYMOND	84.8	92.3	26.7	67.9
BARNICA	83.8	92.3	26.7	67.6
PUMA	80.5	93.3	28.3	67.4
SCARLET	91.7	88.3	22.0	67.3
ERG 1143	86.5	89.0	23.3	66.3
TROPHY (ESTORIL)	83.2	90.7	25.0	66.3
RAINBOW	85.8	90.7	21.7	66.1
CAMARO	82.2	89.0	25.3	65.5
BARLANDER (BAR FR 9F)	90.7	92.3	8.7	63.9
FERNANDO (HF 112)	79.8	92.0	16.7	62.8
SIMONE (LD 3485)	84.8	89.7	10.0	61.5
KOKET	76.3	81.7	10.0	56.0
LSD VALUE	19.3	6.3	31.8	13.0

1/ PERCENT LIVING GROUND COVER (SPRING) RATED AT "ID2" IN 1990 & 1991, AT "PA2" IN 1991 AND AT "UB1" IN 1992.

2/ 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 13E. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	ID2	PA2	UB1	MEAN
WARWICK	.	.	97.7	97.7
SERRA	85.0	94.0	99.0	92.7
SR 3000	85.0	94.0	96.3	91.8
EUREKA	78.3	95.0	97.7	90.3
BRIGADE (MELODY)	74.2	92.3	97.7	88.1
SCALDIS	70.8	91.3	97.7	86.6
BILJART	74.2	90.7	93.3	86.1
SILVANA	75.8	91.3	90.0	85.7
RELIANT-NO ENDOPHYTE	82.3	95.0	78.3	85.2
SR 3100 (SRX 89-31)	65.8	90.0	99.0	84.9
VALDA	70.0	93.3	88.3	83.9
PST-4AG	62.5	92.3	95.0	83.3
RELIANT-W/ ENDOPHYTE	71.5	92.3	85.0	82.9
BARDUR (BAR FO 9A2)	67.5	94.0	86.7	82.7
AURORA	57.5	93.0	96.3	82.3
ATTILA	65.8	89.0	83.3	79.4
AURORA W/ENDO. (PST-AUE)	72.3	87.3	78.3	79.3
DISCOVERY (PST-4HD)	45.0	92.3	96.3	77.9
BARREPPPO	76.7	45.0	81.7	67.8
LSD VALUE	28.0	12.3	14.0	16.5

TABLE 13F. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	ID2	PA2	UB1	MEAN
MX 86	60.8	89.0	97.7	82.5
BIGHORN	50.0	89.0	90.0	76.3
LSD VALUE	36.0	5.8	10.2	19.2

1/ PERCENT LIVING GROUND COVER (SPRING) RATED AT "ID2" IN 1990 & 1991, AT "PA2" IN 1991 AND AT "UB1" IN 1992.

2/ 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 14A.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ID2	NJ1	NJ3	PA2	UB1	MEAN	NAME	ID2	NJ1	NJ3	PA2	UB1	MEAN
WARWICK	.	85.0	91.5	.	95.0	90.5	PUMA	91.0	33.3	21.0	91.7	36.7	54.7
BRIDGEPORT (N-105)	97.5	80.0	83.3	86.7	93.0	88.1	COMFORT (HF 102)	94.3	23.3	19.0	88.3	48.3	54.7
SR 5000	97.5	77.3	80.5	90.0	95.0	88.1	BARDUR (BAR FO 9A2)	71.3	8.3	4.8	93.3	90.0	53.6
SR 3100 (SRX 89-31)	81.2	85.7	93.8	81.7	97.7	88.0	TALUS (LD 3438)	89.5	25.0	22.2	85.0	45.0	53.3
SOUTHPORT	94.3	81.7	85.2	81.7	91.3	86.8	CAPITOL	87.8	28.3	16.8	88.3	45.0	53.3
PROFORMER (JMB-89)	94.3	78.3	80.3	88.3	91.7	86.6	HF 138	94.3	33.3	21.7	73.3	43.3	53.2
DISCOVERY (PST-4HD)	64.8	89.7	86.8	91.7	97.7	86.1	ENSYLVA	92.8	23.3	32.5	90.0	26.7	53.1
TIFFANY (PST-4CD)	97.5	75.0	83.2	81.7	93.3	86.1	SEABREEZE (FRT-30149)	87.2	36.7	34.7	81.7	25.0	53.0
SHADOW W/ENDO. (PST-SHE)	96.0	81.0	78.8	85.0	88.3	85.8	ATLANTA	87.5	21.7	28.7	63.3	63.3	52.9
SERRA	89.5	66.7	64.7	93.3	96.3	82.1	FLYER	89.5	33.3	15.2	88.3	35.0	52.3
JAMESTOWN II	94.3	79.0	57.2	86.7	91.7	81.8	BARSKOL (BAR FR 9P)	95.8	25.0	42.5	90.0	7.0	52.1
RELIANT-W/ ENDOPHYTE	77.8	80.7	86.7	88.3	73.3	81.4	COLLO (LD 3414)	81.6	33.3	39.2	76.7	28.3	51.8
SCALDIS	72.8	66.7	66.7	90.0	88.3	76.9	SCARLET	96.0	28.3	10.7	81.7	41.7	51.7
DIGNITY (OFI 89-200)	96.0	50.0	69.2	85.0	78.3	75.7	PST-4C8	94.5	21.7	22.0	83.3	35.0	51.3
LONGFELLOW	94.5	43.3	58.3	85.0	91.3	74.5	HERALD	89.3	26.7	29.8	85.0	25.0	51.2
PST-4R3	86.0	73.3	82.8	71.7	53.3	73.4	ERG 1143	92.8	18.3	19.5	83.3	41.7	51.1
BRIGADE (MELODY)	82.8	61.7	31.5	91.7	99.0	73.3	BARLOTTE	96.0	30.0	22.7	93.3	13.3	51.1
VALDA	78.8	56.7	45.8	91.7	93.3	73.3	RAINBOW	92.8	35.0	15.5	86.7	25.0	51.0
MX 86	56.5	68.3	56.3	91.7	91.7	72.9	BARGENA	90.5	36.7	16.8	88.3	21.7	50.8
WALDORF	91.2	48.3	56.7	90.0	78.3	72.9	MARKER	94.5	10.0	34.5	78.3	36.7	50.8
SR 3000	86.2	65.0	18.8	93.3	99.0	72.5	PST-4NI	87.8	26.7	24.0	85.0	25.0	49.7
SHADEMASTER	91.2	63.3	58.7	85.0	55.0	70.6	SMIRNA (ZW 42-160)	97.5	36.7	14.0	.	50.0	49.5
SILVANA	72.2	58.3	29.8	91.7	91.3	68.7	BARREPO	76.2	35.0	14.7	40.0	80.0	49.2
EPSOM	94.3	63.3	52.8	.	60.0	67.6	WW RS 138	97.5	11.0	31.5	85.0	20.0	49.0
EUREKA	84.5	51.7	12.8	91.7	96.3	67.4	MOLINDA	92.8	20.0	23.2	90.0	18.3	48.9
BANNER	94.3	46.7	56.7	80.0	58.3	67.2	NAPOLI (LD 3488)	94.3	20.0	33.3	81.7	15.0	48.9
89.LKR	.	45.0	50.3	90.0	78.3	65.9	BELVEDERE	75.5	30.0	30.0	78.3	30.0	48.8
PST-4AG	80.5	53.3	9.0	90.0	96.3	65.8	BARGENA II (BAR FR8RC3)	82.8	35.0	21.2	86.7	15.0	48.1
RELIANT-NO ENDOPHYTE	81.3	67.3	12.5	93.3	74.7	65.8	CAMARO	89.5	23.3	29.7	80.0	17.0	47.9
JAMESTOWN	87.7	36.7	44.2	93.3	66.7	65.7	BARLANDER (BAR FR 9F)	94.5	27.3	17.3	86.7	12.3	47.6
PST-4FE	97.5	48.3	36.0	68.3	73.3	64.7	ELANOR	91.2	18.3	34.7	78.3	13.3	47.2
BIGHORN	66.3	46.7	20.8	90.0	95.0	63.8	CLAUDIA	89.3	25.0	19.2	81.7	18.3	46.7
AURORA	72.8	36.7	20.0	88.3	93.3	62.2	CINDY	96.0	15.0	25.0	81.7	15.0	46.5
BARGREEN	92.7	26.7	47.0	91.7	48.3	61.3	FERNANDO (HF 112)	95.8	16.7	18.3	81.7	18.3	46.2
SHADOW	86.0	35.0	34.3	91.7	58.3	61.1	SYLVESTER	94.3	21.7	30.8	63.3	18.3	45.7
VISTA	89.5	45.0	38.8	86.7	43.3	60.7	BARNICA	95.8	13.3	13.2	83.3	21.7	45.5
DOVER (NK 82492)	92.8	20.0	49.2	86.7	50.0	59.7	SUNSET (ZW 42-158)	77.8	31.7	14.8	83.3	16.7	44.9
BILJART	84.5	26.7	9.7	93.3	81.0	59.0	SIMONE (LD 3485)	94.2	15.0	14.5	86.7	13.3	44.7
MARY	97.5	21.7	23.3	93.3	55.0	58.2	WW RS 143	89.5	16.7	11.2	88.3	16.7	44.5
AURORA W/ENDO. (PST-AUE)	74.5	40.0	21.8	85.0	65.0	57.3	FRANKLIN	78.0	20.0	30.2	83.3	8.3	44.0
ATTILA	79.5	23.3	7.5	81.7	93.0	57.0	REVERE (NK 88001)	80.7	36.7	28.7	.	23.3	42.3
TROPHY (ESTORIL)	92.7	48.3	21.0	81.7	40.0	56.7	DAWSON	94.3	28.3	9.5	41.7	35.0	41.8
ENJOY	99.0	19.3	21.3	90.0	53.3	56.6	BOREAL	89.3	11.7	13.7	83.3	10.7	41.7
RAYMOND	92.2	31.7	20.5	90.0	48.3	56.5	SYLVIA (WW RS 130)	92.8	21.7	20.0	60.0	5.0	39.9
BARCROWN	89.5	30.0	27.7	93.3	41.7	56.4	KOKET	87.8	15.0	11.7	66.7	11.7	38.6
PST-43F	94.3	53.3	17.7	81.7	35.0	56.4							
SALEM	87.8	40.0	30.5	78.3	38.3	55.0	LSD VALUE	20.2	27.9	20.8	11.5	24.1	10.2
WILMA	92.8	18.3	29.8	78.3	55.0	54.9							
JASPER	94.5	26.7	22.8	88.3	41.7	54.8							

1/ PERCENT LIVING GROUND COVER (SUMMER) RATED AT "ID2" IN 1990 & 1991, AT "NJ1" IN 1993, AT "NJ3" IN 1992 & 1993 AND AT "PA2" & "UB1" IN 1991.
2/ 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 14B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ID2	NJ1	NJ3	PA2	UB1	MEAN
PST-4R3	86.0	73.3	82.8	71.7	53.3	73.4
SHADEMASTER	91.2	63.3	58.7	85.0	55.0	70.6
VISTA	89.5	45.0	38.8	86.7	43.3	60.7
PST-43F	94.3	53.3	17.7	81.7	35.0	56.4
SALEM	87.8	40.0	30.5	78.3	38.3	55.0
JASPER	94.5	26.7	22.8	88.3	41.7	54.8
TALUS (LD 3438)	89.5	25.0	22.2	85.0	45.0	53.3
ENSYLVA	92.8	23.3	32.5	90.0	26.7	53.1
FLYER	89.5	33.3	15.2	88.3	35.0	52.3
COLLO (LD 3414)	81.6	33.3	39.2	76.7	28.3	51.8
PST-4C8	94.5	21.7	22.0	83.3	35.0	51.3
HERALD	89.3	26.7	29.8	85.0	25.0	51.2
BARGENA	90.5	36.7	16.8	88.3	21.7	50.8
PST-4NI	87.8	26.7	24.0	85.0	25.0	49.7
WW RS 138	97.5	11.0	31.5	85.0	20.0	49.0
BELVEDERE	75.5	30.0	30.0	78.3	30.0	48.8
BARGENA II (BAR FR8RC3)	82.8	35.0	21.2	86.7	15.0	48.1
ELANOR	91.2	18.3	34.7	78.3	13.3	47.2
CLAUDIA	89.3	25.0	19.2	81.7	18.3	46.7
CINDY	96.0	15.0	25.0	81.7	15.0	46.5
SYLVESTER	94.3	21.7	30.8	63.3	18.3	45.7
SUNSET (ZW 42-158)	77.8	31.7	14.8	83.3	16.7	44.9
WW RS 143	89.5	16.7	11.2	88.3	16.7	44.5
FRANKLIN	78.0	20.0	30.2	83.3	8.3	44.0
REVERE (NK 88001)	80.7	36.7	28.7	.	23.3	42.3
BOREAL	89.3	11.7	13.7	83.3	10.7	41.7
SYLVIA (WW RS 130)	92.8	21.7	20.0	60.0	5.0	39.9
LSD VALUE	19.0	25.0	20.7	13.0	17.4	9.5

TABLE 14C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ID2	NJ1	NJ3	PA2	UB1	MEAN
BARCROWN	89.5	30.0	27.7	93.3	41.7	56.4
COMFORT (HF 102)	94.3	23.3	19.0	88.3	48.3	54.7
HF 138	94.3	33.3	21.7	73.3	43.3	53.2
SEABREEZE (FRT-30149)	87.2	36.7	34.7	81.7	25.0	53.0
BARSKOL (BAR FR 9P)	95.8	25.0	42.5	90.0	7.0	52.1
BARLOTTE	96.0	30.0	22.7	93.3	13.3	51.1
MARKER	94.5	10.0	34.5	78.3	36.7	50.8
SMIRNA (ZW 42-160)	97.5	36.7	14.0	.	50.0	49.5
NAPOLI (LD 3488)	94.3	20.0	33.3	81.7	15.0	48.9
DAWSON	94.3	28.3	9.5	41.7	35.0	41.8
LSD VALUE	10.6	35.7	23.6	13.6	22.4	9.9

1/ PERCENT LIVING GROUND COVER (SUMMER) RATED AT "ID2" IN 1990 & 1991, AT "NJ1" IN 1993, AT "NJ3" IN 1992 & 1993 AND AT "PA2" & "UB1" IN 1991.

2/ 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 14D. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ID2	NJ1	NJ3	PA2	UB1	MEAN
BRIDGEPORT (N-105)	97.5	80.0	83.3	86.7	93.0	88.1
SR 5000	97.5	77.3	80.5	90.0	95.0	88.1
SOUTHPORT	94.3	81.7	85.2	81.7	91.3	86.8
PROFORMER (JMB-89)	94.3	78.3	80.3	88.3	91.7	86.6
TIFFANY (PST-4CD)	97.5	75.0	83.2	81.7	93.3	86.1
SHADOW W/ENDO. (PST-SHE)	96.0	81.0	78.8	85.0	88.3	85.8
JAMESTOWN II	94.3	79.0	57.2	86.7	91.7	81.8
DIGNITY (OFI 89-200)	96.0	50.0	69.2	85.0	78.3	75.7
LONGFELLOW	94.5	43.3	58.3	85.0	91.3	74.5
WALDORF	91.2	48.3	56.7	90.0	78.3	72.9
EPSOM	94.3	63.3	52.8	.	60.0	67.6
BANNER	94.3	46.7	56.7	80.0	58.3	67.2
89.LKR	.	45.0	50.3	90.0	78.3	65.9
JAMESTOWN	87.7	36.7	44.2	93.3	66.7	65.7
PST-4FE	97.5	48.3	36.0	68.3	73.3	64.7
BARGREEN	92.7	26.7	47.0	91.7	48.3	61.3
SHADOW	86.0	35.0	34.3	91.7	58.3	61.1
DOVER (NK 82492)	92.8	20.0	49.2	86.7	50.0	59.7
MARY	97.5	21.7	23.3	93.3	55.0	58.2
TROPHY (ESTORIL)	92.7	48.3	21.0	81.7	40.0	56.7
ENJOY	99.0	19.3	21.3	90.0	53.3	56.6
RAYMOND	92.2	31.7	20.5	90.0	48.3	56.5
WILMA	92.8	18.3	29.8	78.3	55.0	54.9
FUMA	91.0	33.3	21.0	91.7	36.7	54.7
CAPITOL	87.8	28.3	16.8	88.3	45.0	53.3
ATLANTA	87.5	21.7	28.7	63.3	63.3	52.9
SCARLET	96.0	28.3	10.7	81.7	41.7	51.7
ERG 1143	92.8	18.3	19.5	83.3	41.7	51.1
RAINBOW	92.8	35.0	15.5	86.7	25.0	51.0
MOLINDA	92.8	20.0	23.2	90.0	18.3	48.9
CAMARO	89.5	23.3	29.7	80.0	17.0	47.9
BARLANDER (BAR FR 9F)	94.5	27.3	17.3	86.7	12.3	47.6
FERNANDO (HF 112)	95.8	16.7	18.3	81.7	18.3	46.2
BARNICA	95.8	13.3	13.2	83.3	21.7	45.5
SIMONE (LD 3485)	94.2	15.0	14.5	86.7	13.3	44.7
KOKET	87.8	15.0	11.7	66.7	11.7	38.6
LSD VALUE	13.2	22.9	22.5	10.9	28.2	9.4

1/ PERCENT LIVING GROUND COVER (SUMMER) RATED AT "ID2" IN 1990 & 1991, AT "NJ1" IN 1993, AT "NJ3" IN 1992 & 1993 AND AT "PA2" & "UB1" IN 1991.

2/ 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 14E. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ID2	NJ1	NJ3	PA2	UB1	MEAN
WARWICK	.	85.0	91.5	.	95.0	90.5
SR 3100 (SRX 89-31)	81.2	85.7	93.8	81.7	97.7	88.0
DISCOVERY (PST-4HD)	64.8	89.7	86.8	91.7	97.7	86.1
SERRA	89.5	66.7	64.7	93.3	96.3	82.1
RELIANT-W/ ENDOPHYTE	77.8	80.7	86.7	88.3	73.3	81.4
SCALDIS	72.8	66.7	66.7	90.0	88.3	76.9
ERIGADE (MELODY)	82.8	61.7	31.5	91.7	99.0	73.3
VALDA	78.8	56.7	45.8	91.7	93.3	73.3
SR 3000	86.2	65.0	18.8	93.3	99.0	72.5
SILVANA	72.2	58.3	29.8	91.7	91.3	68.7
EUREKA	84.5	51.7	12.8	91.7	96.3	67.4
EST-4AG	80.5	53.3	9.0	90.0	96.3	65.8
RELIANT-NO ENDOPHYTE	81.3	67.3	12.5	93.3	74.7	65.8
AURORA	72.8	36.7	20.0	88.3	93.3	62.2
BILJART	84.5	26.7	9.7	93.3	81.0	59.0
AURORA W/ENDO. (PST-AUE)	74.5	40.0	21.8	85.0	65.0	57.3
ATTILA	79.5	23.3	7.5	81.7	93.0	57.0
BARDUR (BAR FO 9A2)	71.3	8.3	4.8	93.3	90.0	53.6
BARREPPPO	76.2	35.0	14.7	40.0	80.0	49.2
LSD VALUE	30.2	35.0	15.3	8.8	25.6	11.9

TABLE 14F. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ID2	NJ1	NJ3	PA2	UB1	MEAN
MX 86	56.5	68.3	56.3	91.7	91.7	72.9
BIGHORN	66.3	46.7	20.8	90.0	95.0	63.8
LSD VALUE	45.0	28.2	23.9	10.4	6.6	15.8

1/ PERCENT LIVING GROUND COVER (SUMMER) RATED AT "ID2" IN 1990 & 1991, AT "NJ1" IN 1993, AT "NJ3" IN 1992 & 1993 AND AT "PA2" & "UB1" IN 1991.

2/ 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 15A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ID2	NJ3	UB1	MEAN	NAME	ID2	NJ3	UB1	MEAN
WARWICK	.	97.0	95.0	96.0	PST-4C8	65.0	56.3	26.7	49.3
SR 3100 (SRX 89-31)	71.7	99.0	96.3	89.0	PST-4NI	53.3	48.3	45.0	48.9
SR 3000	73.3	96.3	94.7	88.1	JAMESTOWN	56.7	56.7	33.3	48.9
SR 5000	90.0	86.0	88.3	88.1	CAMARO	66.7	68.3	10.0	48.3
SERRA	78.3	94.0	91.7	88.0	ELANOR	80.0	43.3	21.7	48.3
BRIGADE (MELODY)	61.7	98.0	91.3	83.7	DOVER (NK 82492)	68.3	53.3	21.7	47.8
VALDA	68.3	97.3	85.0	83.6	RAYMOND	81.7	43.3	17.0	47.3
AURORA	60.0	97.0	93.3	83.4	ENSYLVA	65.0	31.7	45.0	47.2
BRIDGEPORT (N-105)	73.3	89.3	86.7	83.1	WW RS 143	73.3	41.7	26.7	47.2
RELIANT-NO ENDOPHYTE	88.3	97.3	63.3	83.0	SUNSET (ZW 42-158)	63.3	53.3	23.3	46.7
JAMESTOWN II	70.0	83.3	88.3	80.6	VISTA	51.7	41.7	46.7	46.7
EUREKA	58.3	91.7	90.0	80.0	WILMA	75.0	45.0	18.3	46.1
BILJART	56.7	96.0	85.0	79.2	SYLVESTER	58.3	58.3	20.0	45.6
SCALDIS	56.7	95.0	85.0	78.9	BARLANDER (BAR FR 9F)	68.3	65.0	2.3	45.2
SOUTHPORT	65.0	91.0	80.0	78.7	SCARLET	71.7	53.3	10.0	45.0
BARDUR (BAR FO 9A2)	68.3	93.7	71.7	77.9	TALUS (LD 3438)	76.7	15.7	41.7	44.7
MX 86	65.0	73.3	93.3	77.2	MOLINDA	76.7	50.0	6.7	44.4
BIGHORN	51.7	92.7	86.7	77.0	FLYER	56.7	51.7	25.0	44.4
PST-4R3	60.0	94.7	75.0	76.6	FRANKLIN	71.7	46.7	14.0	44.1
SHADOW W/ENDO. (PST-SHE)	61.7	83.7	83.3	76.2	TROHY (ESTORIL)	75.0	45.0	12.0	44.0
LQNGFELLOW	63.3	81.7	83.3	76.1	ENJOY	83.3	29.3	18.3	43.7
SILVANA	51.7	93.3	83.3	76.1	ATLANTA	53.3	51.7	25.0	43.3
DISCOVERY (PST-4HD)	36.0	99.0	91.7	75.6	BARLOTTE	93.3	20.0	15.0	42.8
PST-4AG	40.0	96.7	88.3	75.0	BOREAL	70.0	23.3	31.7	41.7
ATILIA	43.3	98.7	75.0	72.3	PUMA	81.7	35.0	8.3	41.7
RELIANT-W/ ENDOPHYTE	43.3	96.3	74.7	71.4	BARGENA II (BAR FR8RC3)	61.7	28.3	28.3	39.4
TIFFANY (PST-4CD)	56.7	93.7	63.3	71.2	HF 138	63.3	41.7	13.3	39.4
PROFORMER (JMB-89)	55.0	66.7	80.0	67.2	SYLVIA (WW RS 130)	65.0	36.7	15.0	38.9
SHADEMASTER	75.0	66.7	58.3	66.7	RAINBOW	83.3	21.7	10.0	38.3
PST-43F	75.0	80.0	43.3	66.1	BARNICA	60.0	38.3	15.0	37.8
DIGNITY (OFI 89-200)	63.3	78.3	53.3	65.0	CAPITOL	73.3	31.7	8.3	37.8
AURORA W/ENDO. (PST-AUE)	35.0	98.3	61.7	65.0	CINDY	61.7	40.0	10.0	37.2
SHADOW	78.3	70.0	35.0	61.1	KOKET	50.0	55.0	6.7	37.2
CIAUDIA	81.7	56.7	41.7	60.0	SIMONE (LD 3485)	76.7	30.0	5.0	37.2
EESOM	81.0	53.3	45.0	59.8	ERG 1143	71.7	22.3	13.3	35.8
SALEM	60.0	66.7	45.0	57.2	REVERE (NK 88001)	45.0	16.7	45.0	35.6
BANNER	60.0	71.7	36.7	56.1	BARCROWN	61.7	28.3	16.0	35.3
WALDORF	60.0	55.0	53.3	56.1	COLLO (LD 3414)	65.0	15.0	23.3	34.4
JASPER	75.0	58.3	33.3	55.6	SEABREEZE (FRT-30149)	65.0	15.0	21.7	33.9
BELVEDERE	71.7	58.3	35.0	55.0	NAPOLI (LD 3488)	73.3	17.7	10.0	33.7
HERALD	76.7	45.0	41.7	54.4	COMFORT (HF 102)	71.7	16.7	10.0	32.8
MARY	80.0	75.0	8.3	54.4	BARSKOL (BAR FR 9P)	76.7	9.3	6.0	30.7
PST-4FE	50.0	84.3	28.3	54.2	FERNANDO (HF 112)	66.7	18.3	6.0	30.3
BARGREEN	81.7	63.3	15.7	53.6	MARKER	58.3	8.7	13.3	26.8
89.LKR	.	65.0	40.0	52.5	DAWSON	50.0	11.7	15.0	25.6
WW RS 138	75.0	45.0	35.0	51.7	SMIRNA (ZW 42-160)	55.0	1.7	20.0	25.6
BARREPPPO	16.0	76.7	61.7	51.4					
BARGENA	68.3	51.7	33.3	51.1	LSD VALUE	26.9	27.0	23.1	14.9

- 1/ PERCENT LIVING GROUND COVER (FALL) RATED AT "ID2" IN 1990 AND AT "NJ3" & "UB1" IN 1991.
2/ 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 15B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ID2	NJ3	UB1	MEAN
PST-4R3	60.0	94.7	75.0	76.6
SHADEMASTER	75.0	66.7	58.3	66.7
PST-43F	75.0	80.0	43.3	66.1
CLAUDIA	81.7	56.7	41.7	60.0
SALEM	60.0	66.7	45.0	57.2
JASPER	75.0	58.3	33.3	55.6
BELVEDERE	71.7	58.3	35.0	55.0
HERALD	76.7	45.0	41.7	54.4
WW RS 138	75.0	45.0	35.0	51.7
BARGENA	68.3	51.7	33.3	51.1
PST-4C8	65.0	56.3	26.7	49.3
PST-4NI	53.3	48.3	45.0	48.9
ELANOR	80.0	43.3	21.7	48.3
ENSYLVA	65.0	31.7	45.0	47.2
WW RS 143	73.3	41.7	26.7	47.2
SUNSET (ZW 42-158)	63.3	53.3	23.3	46.7
VISTA	51.7	41.7	46.7	46.7
SYLVESTER	58.3	58.3	20.0	45.6
TALUS (LD 3438)	76.7	15.7	41.7	44.7
FLYER	56.7	51.7	25.0	44.4
FRANKLIN	71.7	46.7	14.0	44.1
BOREAL	70.0	23.3	31.7	41.7
BARGENA II (BAR FR8RC3)	61.7	28.3	28.3	39.4
SYLVIA (WW RS 130)	65.0	36.7	15.0	38.9
CINDY	61.7	40.0	10.0	37.2
REVERE (NK 88001)	45.0	16.7	45.0	35.6
COLLO (LD 3414)	65.0	15.0	23.3	34.4
LSD VALUE	30.7	38.3	19.2	17.5

TABLE 15C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ID2	NJ3	UB1	MEAN
BARLOTTE	93.3	20.0	15.0	42.8
HF 138	63.3	41.7	13.3	39.4
BARCROWN	61.7	28.3	16.0	35.3
SEABREEZE (FRT-30149)	65.0	15.0	21.7	33.9
NAPOLI (LD 3488)	73.3	17.7	10.0	33.7
COMFORT (HF 102)	71.7	16.7	10.0	32.8
BARSKOL (BAR FR 9P)	76.7	9.3	6.0	30.7
MARKER	58.3	8.7	13.3	26.8
DAWSON	50.0	11.7	15.0	25.6
SMIRNA (ZW 42-160)	55.0	1.7	20.0	25.6
LSD VALUE	18.7	12.9	21.4	10.4

1/ PERCENT LIVING GROUND COVER (FALL) RATED AT "ID2" IN 1990 AND AT "NJ3" & "UB1" IN 1991.

2/ 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 15D. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/				
NAME	ID2	NJ3	UB1	MEAN
SR 5000	90.0	86.0	88.3	88.1
BRIDGEPORT (N-105)	73.3	89.3	86.7	83.1
JAMESTOWN II	70.0	83.3	88.3	80.6
SOUTHPORT	65.0	91.0	80.0	78.7
SHADOW W/ENDO. (PST-SHE)	61.7	83.7	83.3	76.2
LONGFELLOW	63.3	81.7	83.3	76.1
TIFFANY (PST-4CD)	56.7	93.7	63.3	71.2
PROFORMER (JMB-89)	55.0	66.7	80.0	67.2
DIGNITY (OFI 89-200)	63.3	78.3	53.3	65.0
SHADOW	78.3	70.0	35.0	61.1
EPSOM	81.0	53.3	45.0	59.8
BANNER	60.0	71.7	36.7	56.1
WALDORF	60.0	55.0	53.3	56.1
MARY	80.0	75.0	8.3	54.4
PST-4FE	50.0	84.3	28.3	54.2
BARGREEN	81.7	63.3	15.7	53.6
89.LKR	.	65.0	40.0	52.5
JAMESTOWN	56.7	56.7	33.3	48.9
CAMARO	66.7	68.3	10.0	48.3
DOVER (NK 82492)	68.3	53.3	21.7	47.8
RAYMOND	81.7	43.3	17.0	47.3
WILMA	75.0	45.0	18.3	46.1
BARLANDER (BAR FR 9F)	68.3	65.0	2.3	45.2
SCARLET	71.7	53.3	10.0	45.0
MOLINDA	76.7	50.0	6.7	44.4
TROPHY (ESTORIL)	75.0	45.0	12.0	44.0
ENJOY	83.3	29.3	18.3	43.7
ATLANTA	53.3	51.7	25.0	43.3
PUMA	81.7	35.0	8.3	41.7
RAINBOW	83.3	21.7	10.0	38.3
BARNICA	60.0	38.3	15.0	37.8
CAPITOL	73.3	31.7	8.3	37.8
KOKET	50.0	55.0	6.7	37.2
SIMONE (LD 3485)	76.7	30.0	5.0	37.2
ERG 1143	71.7	22.3	13.3	35.8
FERNANDO (HF 112)	66.7	18.3	6.0	30.3
LSD VALUE	27.4	26.4	24.1	15.1

1/ PERCENT LIVING GROUND COVER (FALL) RATED AT "ID2" IN 1990 AND AT "NJ3" & "UB1" IN 1991.

2/ 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 15E. PERCENT LIVING GROUND COVER (FALL) RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ID2	NJ3	UB1	MEAN
WARWICK	.	97.0	95.0	96.0
SR 3100 (SRX 89-31)	71.7	99.0	96.3	89.0
SR 3000	73.3	96.3	94.7	88.1
SERRA	78.3	94.0	91.7	88.0
BRIGADE (MELODY)	61.7	98.0	91.3	83.7
VALDA	68.3	97.3	85.0	83.6
AURORA	60.0	97.0	93.3	83.4
RELIANT-NO ENDOPHYTE	88.3	97.3	63.3	83.0
EUREKA	58.3	91.7	90.0	80.0
BILJART	56.7	96.0	85.0	79.2
SCALDIS	56.7	95.0	85.0	78.9
BARDUR (BAR FO 9A2)	68.3	93.7	71.7	77.9
SILVANA	51.7	93.3	83.3	76.1
DISCOVERY (PST-4HD)	36.0	99.0	91.7	75.6
PST-4AG	40.0	96.7	88.3	75.0
ATTLA	43.3	98.7	75.0	72.3
RELIANT-W/ ENDOPHYTE	43.3	96.3	74.7	71.4
AURORA W/ENDO. (PST-AUE)	35.0	98.3	61.7	65.0
BARREPPPO	16.0	76.7	61.7	51.4
LSD VALUE	24.3	7.7	27.9	12.7

TABLE 15F. PERCENT LIVING GROUND COVER (FALL) RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ID2	NJ3	UB1	MEAN
MX 86	65.0	73.3	93.3	77.2
BIGHORN	51.7	92.7	86.7	77.0
LSD VALUE	22.3	24.3	7.3	11.2

1/ PERCENT LIVING GROUND COVER (FALL) RATED AT "ID2" IN 1990 AND AT "NJ3" & "UB1" IN 1991.

2/ 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 16A.

WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	ID2	OR9	MEAN	NAME	ID2	OR9	MEAN
89.LKR	.	6.3	6.3	PST-4FE	1.0	6.5	3.8
RELIANT-NO ENDOPHYTE	6.0	5.7	5.8	BANNER	1.0	6.3	3.7
BARGENA	5.3	5.8	5.6	CINDY	1.0	6.3	3.7
ATTILA	5.0	6.0	5.5	DOVER (NK 82492)	1.0	6.3	3.7
VALDA	5.3	5.7	5.5	JAMESTOWN II	1.0	6.3	3.7
MX 86	5.0	5.0	5.0	PST-43F	1.0	6.3	3.7
CAMARO	3.3	6.5	4.9	PST-4R3	1.0	6.3	3.7
DISCOVERY (PST-4HD)	3.3	6.5	4.9	SHADOW	1.0	6.3	3.7
DIGNITY (OFI 89-200)	3.0	6.7	4.8	SHADOW W/ENDO. (PST-SHE)	1.0	6.3	3.7
SR 3100 (SRX 89-31)	3.0	6.7	4.8	ENJOY	1.0	6.2	3.6
KOKET	3.3	6.3	4.8	FERNANDO (HF 112)	1.0	6.2	3.6
TROPHY (ESTORIL)	3.3	6.3	4.8	MARY	1.0	6.2	3.6
WALDORF	3.7	6.0	4.8	SHADEMASTER	1.0	6.2	3.6
PUMA	3.0	6.5	4.8	SOUTHPORT	1.0	6.2	3.6
MOLINDA	3.0	6.3	4.7	AURORA W/ENDO. (PST-AUE)	1.0	6.0	3.5
SMIRNA (ZW 42-160)	3.0	6.3	4.7	BARGREEN	1.0	6.0	3.5
SR 5000	3.0	6.3	4.7	DAWSON	1.0	6.0	3.5
BARREPPPO	3.0	6.2	4.6	SERRA	1.0	6.0	3.5
FLYER	3.0	6.2	4.6	WILMA	1.0	6.0	3.5
JAMESTOWN	3.0	6.2	4.6	WW RS 138	1.0	6.0	3.5
JASPER	3.0	6.2	4.6	BARLANDER (BAR FR 9F)	1.0	5.8	3.4
SALEM	3.0	6.2	4.6	BARNICA	1.0	5.8	3.4
SR 3000	3.0	6.2	4.6	CLAUDIA	1.0	5.8	3.4
BARDUR (BAR FO 9A2)	3.3	5.8	4.6	EPSOM	1.0	5.8	3.4
BRIGADE (MELODY)	3.7	5.3	4.5	RAINBOW	1.0	5.8	3.4
COMFORT (HF 102)	3.0	6.0	4.5	ATLANTA	1.0	5.7	3.3
PROFORMER (JMB-89)	3.0	6.0	4.5	CAPITOL	1.0	5.7	3.3
SCALDIS	3.0	6.0	4.5	FRANKLIN	1.0	5.7	3.3
ENSYLVA	3.3	5.5	4.4	PST-4NI	1.0	5.7	3.3
RELIANT-W/ ENDOPHYTE	3.3	5.5	4.4	REVERE (NK 88001)	1.0	5.7	3.3
SILVANA	3.3	5.5	4.4	SYLVIA (WW RS 130)	1.0	5.7	3.3
HF 138	3.0	5.8	4.4	VISTA	1.0	5.7	3.3
AURORA	3.0	5.7	4.3	BARLOTTE	1.0	5.5	3.3
ERG 1143	3.0	5.7	4.3	BCREAL	1.0	5.5	3.3
PST-4AG	3.0	5.7	4.3	ELANOR	1.0	5.5	3.3
SEABREEZE (FRT-30149)	3.0	5.7	4.3	NAPOLI (LD 3488)	1.0	5.5	3.3
EUREKA	3.0	5.5	4.3	SYLVESTER	1.0	5.5	3.3
HERALD	3.0	5.5	4.3	WW RS 143	1.0	5.5	3.3
BARGENA II (BAR FR8RC3)	3.0	5.3	4.2	BARCROWN	1.0	5.3	3.2
BILJART	3.0	5.3	4.2	BELVEDERE	1.0	5.3	3.2
TIFFANY (PST-4CD)	1.0	7.2	4.1	BIGHORN	1.0	5.3	3.2
MARKER	1.0	7.0	4.0	SIMONE (LD 3485)	1.0	5.3	3.2
SCARLET	1.0	7.0	4.0	BARSKOL (BAR FR 9P)	1.0	5.2	3.1
LONGFELLOW	1.0	6.8	3.9	COLLO (LD 3414)	1.0	5.2	3.1
TALUS (LD 3438)	3.0	4.8	3.9	SUNSET (ZW 42-158)	1.0	5.0	3.0
PST-4C8	1.0	6.7	3.8				
RAYMOND	1.0	6.7	3.8	LSD VALUE	3.9	1.3	1.5
BRIDGEPORT (N-105)	1.0	6.5	3.8				

1/ WINTER COLOR RATED AT "ID2" IN 1992 AND AT "OR9" IN 1990 & 1991.

2/ 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 16B. WINTER COLOR RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
 1990-1993 DATA
 WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	ID2	OR9	MEAN
BARGENA	5.3	5.8	5.6
FLYER	3.0	6.2	4.6
JASPER	3.0	6.2	4.6
SALEM	3.0	6.2	4.6
ENSYLVA	3.3	5.5	4.4
HERALD	3.0	5.5	4.3
BARGENA II (BAR FR8RC3)	3.0	5.3	4.2
TALUS (ID 3438)	3.0	4.8	3.9
PST-4C8	1.0	6.7	3.8
CINDY	1.0	6.3	3.7
PST-43F	1.0	6.3	3.7
PST-4R3	1.0	6.3	3.7
SHADEMASTER	1.0	6.2	3.6
WW RS 138	1.0	6.0	3.5
CLAUDIA	1.0	5.8	3.4
FRANKLIN	1.0	5.7	3.3
PST-4NI	1.0	5.7	3.3
REVERE (NK 88001)	1.0	5.7	3.3
SYLVIA (WW RS 130)	1.0	5.7	3.3
VISTA	1.0	5.7	3.3
BOREAL	1.0	5.5	3.3
ELANOR	1.0	5.5	3.3
SYLVESTER	1.0	5.5	3.3
WW RS 143	1.0	5.5	3.3
BELVEDEFE	1.0	5.3	3.2
COLLO (ID 3414)	1.0	5.2	3.1
SUNSET (ZW 42-158)	1.0	5.0	3.0
LSD VALUE	3.1	1.1	1.2

TABLE 16C. WINTER COLOR RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
 1990-1993 DATA
 WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	ID2	OR9	MEAN
SMIRNA (ZW 42-160)	3.0	6.3	4.7
COMFORT (HF 102)	3.0	6.0	4.5
HF 138	3.0	5.8	4.4
SEABREEZE (FRT-30149)	3.0	5.7	4.3
MARKER	1.0	7.0	4.0
DAWSON	1.0	6.0	3.5
BARLOTIE	1.0	5.5	3.3
NAPOLI (LD 3488)	1.0	5.5	3.3
BARCROWN	1.0	5.3	3.2
BARSKOL (BAR FR 9P)	1.0	5.2	3.1
LSD VALUE	3.5	0.9	1.2

1/ WINTER COLOR RATED AT "ID2" IN 1992 AND AT "OR9" IN 1990 & 1991.

2/ 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 16D. WINTER COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OR9	MEAN
89.LKR	.	6.3	6.3
CAMARO	3.3	6.5	4.9
DIGNITY (OFI 89-200)	3.0	6.7	4.8
KOKET	3.3	6.3	4.8
TROPHY (ESTORIL)	3.3	6.3	4.8
WALDORF	3.7	6.0	4.8
PUMA	3.0	6.5	4.8
MOLINDA	3.0	6.3	4.7
SR 5000	3.0	6.3	4.7
JAMESTOWN	3.0	6.2	4.6
PROFORMER (JMB-89)	3.0	6.0	4.5
ERG 1143	3.0	5.7	4.3
TIFFANY (PST-4CD)	1.0	7.2	4.1
SCARLET	1.0	7.0	4.0
LONGFELLOW	1.0	6.8	3.9
RAYMOND	1.0	6.7	3.8
BRIDGEPORT (N-105)	1.0	6.5	3.8
PST-4FE	1.0	6.5	3.8
BANNER	1.0	6.3	3.7
DOVER (NK 82492)	1.0	6.3	3.7
JAMESTOWN II	1.0	6.3	3.7
SHADOW	1.0	6.3	3.7
SHADOW W/ENDO. (PST-SHE)	1.0	6.3	3.7
ENJOY	1.0	6.2	3.6
FERNANDO (HF 112)	1.0	6.2	3.6
MARY	1.0	6.2	3.6
SOUTHPORT	1.0	6.2	3.6
BARGREEN	1.0	6.0	3.5
WILMA	1.0	6.0	3.5
BARLANDER (BAR FR 9F)	1.0	5.8	3.4
BARNICA	1.0	5.8	3.4
EPSOM	1.0	5.8	3.4
RAINBOW	1.0	5.8	3.4
ATLANTA	1.0	5.7	3.3
CAPITOL	1.0	5.7	3.3
SIMONE (LD 3485)	1.0	5.3	3.2
LSD VALUE	3.4	0.9	1.2

1/ WINTER COLOR RATED AT "ID2" IN 1992 AND AT "OR9" IN 1990 & 1991.

2/ 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 16E. WINTER COLOR RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OR9	MEAN
RELIANT-NO ENDOPHYTE	6.0	5.7	5.8
ATTILA	5.0	6.0	5.5
VALDA	5.3	5.7	5.5
DISCOVERY (PST-4HD)	3.3	6.5	4.9
SR 3100 (SRX 89-31)	3.0	6.7	4.8
BARREPPPO	3.0	6.2	4.6
SR 3000	3.0	6.2	4.6
BARDUR (BAR FO 9A2)	3.3	5.8	4.6
BRIGADE (MELODY)	3.7	5.3	4.5
SCALDIS	3.0	6.0	4.5
RELIANT-W/ ENDOPHYTE	3.3	5.5	4.4
SILVANA	3.3	5.5	4.4
AURORA	3.0	5.7	4.3
PST-4AG	3.0	5.7	4.3
EUREKA	3.0	5.5	4.3
BILJART	3.0	5.3	4.2
AURORA W/ENDO. (PST-AUE)	1.0	6.0	3.5
SERRA	1.0	6.0	3.5
LSD VALUE	5.7	2.2	2.3

TABLE 16F. WINTER COLOR RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	OR9	MEAN
MX 86	5.0	5.0	5.0
BIGHORN	1.0	5.3	3.2
LSD VALUE	3.9	2.1	1.9

1/ WINTER COLOR RATED AT "ID2" IN 1992 AND AT "OR9" IN 1990 & 1991.

2/ 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 17A. WINTER KILL RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
WINTER KILL RATINGS 1-9; 9=BEST 2/

NAME	ID2	NAME	ID2
SERRA	8.7	SR 3100 (SRX 89-31)	5.0
PST-4AG	8.0	DOVER (NK 82492)	4.7
SEABREEZE (FRT-30149)	8.0	PROFORMER (JMB-89)	4.7
SR 3000	8.0	BANNER	4.3
TROPHY (ESTORIL)	8.0	COMFORT (HF 102)	4.3
DIGNITY (OFI 89-200)	7.7	ERG 1143	4.3
EUREKA	7.7	KOKET	4.3
LONGFELLOW	7.7	TIFFANY (PST-4CD)	4.3
ATTILIA	7.0	BARGENA	4.0
JAMESTOWN II	7.0	CAPITOL	4.0
RELIANT-NO ENDOPHYTE	7.0	CLAUDIA	4.0
SIMONE (LD 3485)	7.0	COLLO (LD 3414)	4.0
SR 5000	7.0	FRANKLIN	4.0
BILJART	6.7	JASPER	4.0
DISCOVERY (PST-4HD)	6.7	MARY	4.0
VALDA	6.7	NAPOLI (LD 3488)	4.0
AURORA	6.3	SCARLET	4.0
AURORA W/ENDO. (PST-AUE)	6.3	SOUTHPORT	4.0
FERNANDO (HF 112)	6.3	BARCROWN	3.7
MOLINDA	6.3	BELVEDERE	3.7
RELIANT-W/ ENDOPHYTE	6.3	DAWSON	3.7
SCALDIS	6.3	ENSYLVA	3.7
SILVANA	6.3	RAINBOW	3.7
WALDORF	6.3	REVERE (NK 88001)	3.7
BARGENA II (BAR FR8RC3)	6.0	SALEM	3.7
BARREPP0	6.0	SUNSET (ZW 42-158)	3.7
BIGHORN	6.0	SYLVESTER	3.7
BRIDGEPORT (N-105)	6.0	WW RS 143	3.7
PST-4FE	6.0	BOREAL	3.3
PUMA	6.0	FLYER	3.3
CAMARO	5.7	PST-4R3	3.3
SHADOW	5.7	WILMA	3.3
ATLANTA	5.3	ELANOR	3.0
BARDUR (BAR FO 9A2)	5.3	HF 138	3.0
BARNICA	5.3	PST-4C8	3.0
BARSKOL (BAR FR 9F)	5.3	SHADEMASTER	3.0
HERALD	5.3	BARLOTTE	2.3
JAMESTOWN	5.3	MARKER	2.3
SHADOW W/ENDO. (PST-SHE)	5.3	PST-43F	2.3
SMIRNA (ZW 42-160)	5.3	PST-4NI	2.3
BARGREEN	5.0	VISTA	2.3
BARLANDER (BAR FR 9F)	5.0	CINDY	2.0
BRIGADE (MELODY)	5.0	SYLVIA (WW RS 130)	2.0
ENJOY	5.0	TALUS (LD 3438)	2.0
EPSOM	5.0	WW RS 138	2.0
MX 86	5.0		
RAYMOND	5.0	LSD VALUE	3.2

1/ WINTER KILL RATED IN 1992 ONLY.

2/ 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 17B. WINTER KILL RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
WINTER KILL RATINGS 1-9; 9=BEST 2/

NAME	ID2
BARGENA II (BAR FR8RC3)	6.0
HERALD	5.3
BARGENA	4.0
CLAUDIA	4.0
COLLO (LD 3414)	4.0
FRANKLIN	4.0
JASPER	4.0
BELVEDERE	3.7
ENSYLVA	3.7
REVERE (NK 88001)	3.7
SALEM	3.7
SUNSET (ZW 42-158)	3.7
SYLVESTER	3.7
WW RS 143	3.7
BOREAL	3.3
FLYER	3.3
EST-4R3	3.3
ELANOR	3.0
EST-4C8	3.0
SHADEMASTER	3.0
EST-43F	2.3
EST-4NI	2.3
VISTA	2.3
CINDY	2.0
SYLVIA (WW RS 130)	2.0
TALUS (LD 3438)	2.0
WW RS 138	2.0
LSD VALUE	2.9

TABLE 17C. WINTER KILL RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
WINTER KILL RATINGS 1-9; 9=BEST 2/

NAME	ID2
SEABREEZE (FRT-30149)	8.0
BARSKOL (BAR FR 9P)	5.3
SMIRNA (ZW 42-160)	5.3
COMFORT (HF 102)	4.3
NAPOLI (LD 3488)	4.0
BARCROWN	3.7
DAWSON	3.7
HF 138	3.0
BARLOTTE	2.3
MARKER	2.3
LSD VALUE	3.7

1/ WINTER KILL RATED IN 1992 ONLY.

2/ 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 17D. WINTER KILL RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

WINTER KILL RATINGS 1-9; 9=BEST 2/

NAME	ID2
TROPHY (ESTORIL)	8.0
DIGNITY (OFI 89-200)	7.7
LONGFELLOW	7.7
JAMESTOWN II	7.0
SIMONE (LD 3485)	7.0
SR 5000	7.0
FERNANDO (HF 112)	6.3
MOLINDA	6.3
WALDORF	6.3
BRIDGEPORT (N-105)	6.0
EST-4FE	6.0
FUMA	6.0
CAMARO	5.7
SHADOW	5.7
ATLANTA	5.3
BARNICA	5.3
JAMESTOWN	5.3
SHADOW W/ENDO. (PST-SHE)	5.3
BARGREEN	5.0
EARLANDER (BAR FR 9F)	5.0
ENJOY	5.0
EPSOM	5.0
RAYMOND	5.0
DOVER (NK 82492)	4.7
PROFORMER (JMB-89)	4.7
BANNER	4.3
ERG 1143	4.3
KOKET	4.3
TIFFANY (PST-4CD)	4.3
CAPITOL	4.0
MARY	4.0
SCARLET	4.0
SOUTHPORT	4.0
RAINBOW	3.7
WILMA	3.3
LSD VALUE	3.7

1/ WINTER KILL RATED IN 1992 ONLY.

2/ 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 17E. WINTER KILL RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

WINTER KILL RATINGS 1-9; 9=BEST 2/

NAME	ID2
SERRA	8.7
PST-4AG	8.0
SR 3000	8.0
EUREKA	7.7
ATILIA	7.0
RELIANT-NO ENDOPHYTE	7.0
BILJART	6.7
DISCOVERY (PST-4HD)	6.7
VALDA	6.7
AURORA	6.3
AURORA W/ENDO. (PST-AUE)	6.3
RELIANT-W/ ENDOPHYTE	6.3
SCALDIS	6.3
SILVANA	6.3
BARREPPPO	6.0
BARDUR (BAR FO 9A2)	5.3
BRIGADE (MELODY)	5.0
SR 3100 (SRX 89-31)	5.0
LSD VALUE	2.5

TABLE 17F. WINTER KILL RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

WINTER KILL RATINGS 1-9; 9=BEST 2/

NAME	ID2
BIGHORN	6.0
MX 86	5.0
LSD VALUE	1.1

1/ WINTER KILL RATED IN 1992 ONLY.

2/ 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 18A. DROUGHT TOLERANCE (DORMANCY) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/

NAME	OR9	PA1	MEAN	NAME	OR9	PA1	MEAN
BARCROWN	7.3	7.0	7.2	SYLVIA (WW RS 130)	6.3	4.3	5.3
SILVANA	6.0	8.0	7.0	TIFFANY (PST-4CD)	6.3	4.3	5.3
VALDA	6.0	8.0	7.0	ATLANTA	6.0	4.3	5.2
89.LKR	6.0	7.7	6.8	BARGENA	6.0	4.3	5.2
AURORA	6.0	7.7	6.8	BRIDGEPORT (N-105)	6.0	4.3	5.2
BILJART	6.0	7.7	6.8	ELANOR	6.3	4.0	5.2
EUREKA	6.0	7.7	6.8	FLYER	6.0	4.3	5.2
MARKER	6.7	7.0	6.8	PST-43F	6.0	4.3	5.2
SR 3000	6.0	7.7	6.8	REVERE (NK 88001)	6.0	4.3	5.2
SERRA	6.3	7.3	6.8	SCARLET	6.3	4.0	5.2
ATTLA	6.0	7.3	6.7	SHADOW	6.0	4.3	5.2
BIGHORN	6.0	7.3	6.7	SIMONE (LD 3485)	6.0	4.3	5.2
BRIGADE (MELODY)	6.0	7.3	6.7	SOUTHPORT	6.0	4.3	5.2
RELIANT-W/ ENDOPHYTE	6.0	7.3	6.7	TALUS (LD 3438)	6.0	4.3	5.2
SCALDIS	6.3	7.0	6.7	WW RS 143	6.0	4.3	5.2
BARDUR (BAR FO 9A2)	6.0	7.0	6.5	BARNICA	6.0	4.0	5.0
PST-4AG	6.0	7.0	6.5	BOREAL	6.0	4.0	5.0
RELIANT-NO ENDOPHYTE	6.0	7.0	6.5	CAMARO	6.3	3.7	5.0
SMIRNA (ZW 42-160)	6.3	6.7	6.5	COLLO (LD 3414)	6.0	4.0	5.0
AURORA W/ENDO. (PST-AUE)	6.0	6.7	6.3	DOVER (NK 82492)	6.0	4.0	5.0
BARSKOL (BAR FR 9P)	7.0	5.7	6.3	ENSYLVA	6.0	4.0	5.0
DAWSON	6.3	6.3	6.3	EPSOM	6.7	3.3	5.0
HF 138	6.7	5.7	6.2	JAMESTOWN	6.0	4.0	5.0
BARREPPPO	6.0	6.3	6.2	JAMESTOWN II	6.0	4.0	5.0
DISCOVERY (PST-4HD)	6.0	6.3	6.2	KOKET	6.0	4.0	5.0
MX 86	6.0	6.3	6.2	MOLINDA	6.0	4.0	5.0
BARLOTTE	6.7	5.3	6.0	PROFORMER (JMB-89)	6.3	3.7	5.0
NAPOLI (LD 3488)	6.3	5.7	6.0	PST-4R3	6.0	4.0	5.0
CINDY	7.0	4.7	5.8	PUMA	6.0	4.0	5.0
SR 3100 (SRX 89-31)	6.0	5.7	5.8	SHADOW W/ENDO. (PST-SHE)	6.0	4.0	5.0
PST-4C8	6.3	5.3	5.8	SR 5000	6.0	4.0	5.0
HERALD	6.7	4.7	5.7	VISTA	6.0	4.0	5.0
SEABREEZE (FRT-30149)	6.7	4.7	5.7	WALDORF	6.0	4.0	5.0
TROPHY (ESTORIL)	6.3	5.0	5.7	WIIMA	6.0	4.0	5.0
BARGREEN	6.0	5.0	5.5	BANNER	6.0	3.7	4.8
BARLANDER (BAR FR 9F)	6.3	4.7	5.5	BARGENA II (BAR FR8RC3)	6.0	3.7	4.8
COMFORT (HF 102)	6.3	4.7	5.5	BELVEDERE	6.0	3.7	4.8
LONGFELLOW	6.3	4.7	5.5	CAPITOL	6.0	3.7	4.8
RAINBOW	6.7	4.3	5.5	CLAUDIA	6.0	3.7	4.8
WW RS 138	6.3	4.7	5.5	DIGNITY (OFI 89-200)	6.0	3.7	4.8
ENJOY	6.0	4.7	5.3	ERG 1143	6.0	3.7	4.8
FERNANDO (HF 112)	6.0	4.7	5.3	MARY	6.0	3.7	4.8
JASPER	6.0	4.7	5.3	RAYMOND	6.0	3.7	4.8
PST-4FE	6.7	4.0	5.3	SYLVESTER	6.0	3.7	4.8
PST-4NI	6.0	4.7	5.3	FRANKLIN	6.3	2.7	4.5
SALEM	6.0	4.7	5.3				
SHADEMASTER	6.0	4.7	5.3	LSO VALUE	0.6	1.3	0.7
SUNSET (ZW 42-158)	6.3	4.3	5.3				

1/ DROUGHT TOLERANCE (DORMANCY) RATED AT "OR9" IN 1990 AND AT "PA1" IN 1991.

2/ 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 18B. DROUGHT TOLERANCE (DORMANCY) RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/

NAME	OR9	PA1	MEAN
CINDY	7.0	4.7	5.8
PST-4C8	6.3	5.3	5.8
HERALD	6.7	4.7	5.7
WW RS 138	6.3	4.7	5.5
JASPER	6.0	4.7	5.3
PST-4NI	6.0	4.7	5.3
SALEM	6.0	4.7	5.3
SHADEMASTER	6.0	4.7	5.3
SUNSET (ZW 42-158)	6.3	4.3	5.3
SYLVIA (WW RS 130)	6.3	4.3	5.3
BARGENA	6.0	4.3	5.2
ELANOR	6.3	4.0	5.2
FLYER	6.0	4.3	5.2
PST-43F	6.0	4.3	5.2
REVERE (NK 88001)	6.0	4.3	5.2
TALUS (ID 3438)	6.0	4.3	5.2
WW RS 143	6.0	4.3	5.2
BOREAL	6.0	4.0	5.0
COLLO (ID 3414)	6.0	4.0	5.0
ENSYLVA	6.0	4.0	5.0
PST-4R3	6.0	4.0	5.0
VISTA	6.0	4.0	5.0
BARGENA II (BAR FR8RC3)	6.0	3.7	4.8
BELVEDEFE	6.0	3.7	4.8
CLAUDIA	6.0	3.7	4.8
SYLVESTER	6.0	3.7	4.8
FRANKLIN	6.3	2.7	4.5
LSD VALUE	0.6	1.4	0.7

TABLE 18C. DROUGHT TOLERANCE (DORMANCY) RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/

NAME	OR9	PA1	MEAN
BARCROWN	7.3	7.0	7.2
MARKER	6.7	7.0	6.8
SMIRNA (ZW 42-160)	6.3	6.7	6.5
BARSKOL (BAR FR 9P)	7.0	5.7	6.3
DAWSON	6.3	6.3	6.3
HF 138	6.7	5.7	6.2
BARLOTIE	6.7	5.3	6.0
NAPOLI (LD 3488)	6.3	5.7	6.0
SEABREEZE (FRT-30149)	6.7	4.7	5.7
COMFORT (HF 102)	6.3	4.7	5.5
LSD VALUE	1.1	1.4	0.9

- 1/ DROUGHT TOLERANCE (DORMANCY) RATED AT "OR9" IN 1990 AND AT "PA1" IN 1991.
2/ 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 18D. DROUGHT TOLERANCE (DORMANCY) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	OR9	PA1	MEAN
89.LKR	6.0	7.7	6.8
TROPHY (ESTORIL)	6.3	5.0	5.7
BARGREEN	6.0	5.0	5.5
BARLANDER (BAR FR 9F)	6.3	4.7	5.5
LONGFELLOW	6.3	4.7	5.5
RAINBOW	6.7	4.3	5.5
ENJOY	6.0	4.7	5.3
FERNANDO (HF 112)	6.0	4.7	5.3
PST-4FE	6.7	4.0	5.3
TIFFANY (PST-4CD)	6.3	4.3	5.3
ATLANTA	6.0	4.3	5.2
BRIDGEPORT (N-105)	6.0	4.3	5.2
SCARLET	6.3	4.0	5.2
SHADOW	6.0	4.3	5.2
SIMONE (ID 3485)	6.0	4.3	5.2
SOUTHPORT	6.0	4.3	5.2
BARNICA	6.0	4.0	5.0
CAMARO	6.3	3.7	5.0
DOVER (NK 82492)	6.0	4.0	5.0
EPSOM	6.7	3.3	5.0
JAMESTOWN	6.0	4.0	5.0
JAMESTOWN II	6.0	4.0	5.0
KOKET	6.0	4.0	5.0
MOLINDA	6.0	4.0	5.0
PROFORMER (JMB-89)	6.3	3.7	5.0
PUMA	6.0	4.0	5.0
SHADOW W/ENDO. (PST-SHE)	6.0	4.0	5.0
SR 5000	6.0	4.0	5.0
WALDORF	6.0	4.0	5.0
WILMA	6.0	4.0	5.0
BANNER	6.0	3.7	4.8
CAPITOL	6.0	3.7	4.8
DIGNITY (OFI 89-200)	6.0	3.7	4.8
ERG 1143	6.0	3.7	4.8
MARY	6.0	3.7	4.8
RAYMOND	6.0	3.7	4.8
LSD VALUE	0.5	1.3	0.7

1/ DROUGHT TOLERANCE (DORMANCY) RATED AT "OR9" IN 1990 AND AT "PA1" IN 1991.

2/ 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 18E. DROUGHT TOLERANCE (DORMANCY) RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	OR9	PA1	MEAN
SILVANA	6.0	8.0	7.0
VALDA	6.0	8.0	7.0
AURORA	6.0	7.7	6.8
BILJART	6.0	7.7	6.8
EUREKA	6.0	7.7	6.8
SR 3000	6.0	7.7	6.8
SERRA	6.3	7.3	6.8
ATTILA	6.0	7.3	6.7
BRIGADE (MELODY)	6.0	7.3	6.7
RELIANT-W/ ENDOPHYTE	6.0	7.3	6.7
SCALDIS	6.3	7.0	6.7
BARDUR (BAR FO 9A2)	6.0	7.0	6.5
PST-4AG	6.0	7.0	6.5
RELIANT-NO ENDOPHYTE	6.0	7.0	6.5
AURORA W/ENDO. (PST-AUE)	6.0	6.7	6.3
BARREPPPO	6.0	6.3	6.2
DISCOVERY (PST-4HD)	6.0	6.3	6.2
SR 3100 (SRX 89-31)	6.0	5.7	5.8
LSD VALUE	0.3	1.0	0.5

TABLE 18F. DROUGHT TOLERANCE (DORMANCY) RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	OR9	PA1	MEAN
BIGHORN	6	7.3	6.7
MX 86	6	6.3	6.2
LSD VALUE	0	0.9	0.5

1/ DROUGHT TOLERANCE (DORMANCY) RATED AT "OR9" IN 1990 AND AT "PA1" IN 1991.

2/ 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 19A. LEAF SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	MN1	NJ1	OH2	UB1	MEAN
SILVANA	7.0	8.0	7.3	7.3	7.4
BIGHORN	8.0	7.7	7.3	6.2	7.3
SR 3100 (SFX 89-31)	6.7	8.3	6.7	7.5	7.3
VALDA	6.7	8.3	7.0	7.0	7.3
AURORA	6.7	8.0	7.3	6.8	7.2
BRIGADE (MELODY)	7.0	8.0	7.0	6.8	7.2
AURORA W/ENDO. (PST-AUE)	6.3	7.7	7.7	6.8	7.1
DISCOVERY (PST-4HD)	6.7	7.3	7.0	7.5	7.1
DIGNITY (OFI 89-200)	6.3	7.0	7.3	7.7	7.1
SCALDIS	6.3	7.3	7.3	7.2	7.0
ATTILA	6.7	7.0	7.3	7.0	7.0
TROPHY (ESTORIL)	6.0	6.7	7.7	7.5	7.0
BILJART	7.3	6.7	7.3	6.5	7.0
LONGFELLOW	6.7	6.3	8.0	6.5	6.9
WALDORF	7.7	5.3	7.3	7.2	6.9
BARREPPPO	7.3	6.0	7.3	6.8	6.9
BARGREEN	7.3	5.3	7.3	7.2	6.8
TIFFANY (PST-4CD)	7.0	5.7	7.3	7.2	6.8
89.LKR	.	7.0	.	6.5	6.8
SR 3000	6.3	6.3	7.3	7.0	6.8
MARKER	5.7	6.7	7.3	7.2	6.7
RELIANT-NO ENDOPHYTE	6.7	7.0	7.0	6.2	6.7
PST-4AG	7.0	7.0	7.0	5.8	6.7
PROFORMER (JMB-89)	7.0	6.7	7.3	5.7	6.7
BARDUR (BAR FO 9A2)	7.0	6.0	7.0	6.5	6.6
SERRA	6.7	5.7	7.3	6.8	6.6
BARSKOL (BAR FR 9P)	5.7	7.0	7.0	6.5	6.5
EPSOM	6.7	5.7	7.7	6.2	6.5
EUREKA	7.0	5.3	7.0	6.7	6.5
SOUTHPORT	6.0	7.0	7.3	5.5	6.5
MX 86	8.0	6.0	6.7	5.0	6.4
RELIANT-W/ ENDOPHYTE	6.0	6.3	6.7	6.7	6.4
RAINBOW	6.3	5.0	7.0	7.3	6.4
SCARLET	6.3	5.7	6.7	6.8	6.4
SHADOW W/ENDO. (PST-SHE)	6.7	5.3	7.0	6.5	6.4
SMIRNA (ZW 42-160)	4.7	6.7	7.3	6.8	6.4
DOVER (NK 82492)	6.7	5.7	7.3	5.7	6.3
WARWICK	.	6.3	.	6.3	6.3
BARLANDER (BAR FR 9F)	6.0	5.7	7.0	6.5	6.3
ATLANTA	7.0	3.3	7.3	7.3	6.3
BRIDGEPORT (N-105)	6.0	6.3	7.0	5.7	6.3
NAPOLI (LD 3488)	5.3	6.0	7.0	6.7	6.3
BARCROWN	4.7	6.0	7.0	7.2	6.2
RAYMOND	6.3	4.0	7.7	6.8	6.2
MARY	5.7	5.3	6.3	7.2	6.1
SEABREEZE (FRT-30149)	6.0	5.7	7.0	5.8	6.1
ENJOY	5.7	5.0	7.0	6.5	6.0
CAPITOL	5.3	5.7	7.3	5.8	6.0

LEAF SPOT RATINGS OF FINELEAF FESCUE CULTIVARS
1990-1993 DATA
LEAF SPOT RATINGS 1-9; 9=NO DISEASE

NAME	MN1	NJ1	OH2	UB1	MEAN
JAMESTOWN II	5.3	6.0	7.0	5.8	6.0
PST-4FE	6.0	4.3	7.7	6.0	6.0
ERG 1143	6.3	3.0	6.7	7.7	5.9
DAWSON	7.0	3.7	7.3	5.5	5.9
WILMA	6.7	4.7	6.7	5.5	5.9
FERNANDO (HF 112)	7.0	3.3	7.0	6.0	5.8
SR 5000	5.3	5.0	7.0	5.8	5.8
CAMARO	6.7	4.0	7.0	5.3	5.8
SIMONE (LD 3485)	6.7	3.3	7.0	5.8	5.7
JAMESTOWN	6.3	4.3	7.0	4.8	5.6
BANNER	6.0	4.0	7.3	5.0	5.6
MOLINDA	6.0	4.0	7.0	5.2	5.5
HF 138	6.0	4.7	6.3	4.8	5.5
COMFORT (HF 102)	6.7	3.0	6.0	6.0	5.4
PST-4R3	5.7	5.3	6.7	4.0	5.4
PUMA	5.7	3.0	7.0	6.0	5.4
PST-4C8	5.7	3.7	7.0	5.2	5.4
KOKET	6.7	3.3	6.7	4.8	5.4
SHADEMASTER	5.0	5.7	7.0	3.7	5.3
PST-43F	5.3	5.3	6.0	4.7	5.3
TALUS (ID 3438)	5.3	4.7	6.3	5.0	5.3
FLYER	5.3	4.7	7.0	4.2	5.3
PST-4NI	5.7	5.0	6.3	4.2	5.3
SALEM	6.0	4.3	6.3	4.5	5.3
SHADOW	5.3	4.0	7.0	4.8	5.3
REVERE (NK 88001)	5.7	5.3	6.0	4.0	5.3
COLLO (ID 3414)	5.7	4.3	6.3	4.5	5.2
VISTA	5.3	6.0	5.7	3.8	5.2
CINDY	5.0	4.7	6.0	5.0	5.2
BARNICA	6.3	2.3	7.7	4.3	5.2
SYLVIA (WW RS 130)	6.7	3.7	6.0	3.7	5.0
BARGENA II (BAR FR8RC3)	5.7	4.3	6.3	3.7	5.0
BELVEDEFE	5.3	4.3	6.3	4.0	5.0
JASPER	4.5	4.0	6.3	4.7	4.9
BARLOTTE	5.3	2.7	5.7	5.0	4.7
SYLVESTER	5.3	3.0	6.7	3.5	4.6
BOREAL	4.7	3.7	6.7	3.3	4.6
FRANKLIN	6.0	3.3	5.7	3.3	4.6
ELANOR	4.3	3.3	6.0	3.8	4.4
HERALD	4.0	4.0	5.7	3.7	4.3
WW RS 143	5.3	3.0	5.7	3.2	4.3
WW RS 138	5.0	3.0	5.7	3.3	4.3
SUNSET (ZW 42-158)	5.0	2.7	5.7	3.0	4.1
BARGENA	5.0	2.0	5.3	1.3	3.4
CLAUDIA	4.0	2.0	5.3	2.0	3.3
ENSYLVA	4.7	2.0	5.0	1.2	3.2
LSD VALUE	1.1	1.7	1.0	1.3	0.7

1/ LEAF SPOT RATED AT "MN1" IN 1991, AT "NJ1" & "OH2" IN 1990 AND AT "UB1" IN 1990 & 1991.

2/ 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 19B. LEAF SPOT RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	MN1	NJ1	OH2	UB1	MEAN
PST-4R3	5.7	5.3	6.7	4.0	5.4
PST-4C8	5.7	3.7	7.0	5.2	5.4
SHADEMASTER	5.0	5.7	7.0	3.7	5.3
PST-43F	5.3	5.3	6.0	4.7	5.3
TALUS (LD 3438)	5.3	4.7	6.3	5.0	5.3
FLYER	5.3	4.7	7.0	4.2	5.3
PST-4NI	5.7	5.0	6.3	4.2	5.3
SALEM	6.0	4.3	6.3	4.5	5.3
REVERE (NK 88001)	5.7	5.3	6.0	4.0	5.3
COLLO (LD 3414)	5.7	4.3	6.3	4.5	5.2
VISTA	5.3	6.0	5.7	3.8	5.2
CINDY	5.0	4.7	6.0	5.0	5.2
SYLVIA (WW RS 130)	6.7	3.7	6.0	3.7	5.0
BARGENA II (BAR FR8RC3)	5.7	4.3	6.3	3.7	5.0
BELVEDERE	5.3	4.3	6.3	4.0	5.0
JASPER	4.5	4.0	6.3	4.7	4.9
SYLVESTER	5.3	3.0	6.7	3.5	4.6
BOREAL	4.7	3.7	6.7	3.3	4.6
FRANKLIN	6.0	3.3	5.7	3.3	4.6
ELANOR	4.3	3.3	6.0	3.8	4.4
HERALD	4.0	4.0	5.7	3.7	4.3
WW RS 143	5.3	3.0	5.7	3.2	4.3
WW RS 138	5.0	3.0	5.7	3.3	4.3
SUNSET (ZW 42-158)	5.0	2.7	5.7	3.0	4.1
BARGENA	5.0	2.0	5.3	1.3	3.4
CLAUDIA	4.0	2.0	5.3	2.0	3.3
ENSYLVA	4.7	2.0	5.0	1.2	3.2
LSD VALUE	1.2	1.7	1.0	1.3	0.7

TABLE 19C. LEAF SPOT RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	MN1	NJ1	OH2	UB1	MEAN
MARKER	5.7	6.7	7.3	7.2	6.7
BARSKOL (BAR FR 9P)	5.7	7.0	7.0	6.5	6.5
SMIRNA (ZW 42-160)	4.7	6.7	7.3	6.8	6.4
NAPOLI (LD 3488)	5.3	6.0	7.0	6.7	6.3
BARCROWN	4.7	6.0	7.0	7.2	6.2
SEABREEZE (FRT-30149)	6.0	5.7	7.0	5.8	6.1
DAWSON	7.0	3.7	7.3	5.5	5.9
HF 138	6.0	4.7	6.3	4.8	5.5
COMFORT (HF 102)	6.7	3.0	6.0	6.0	5.4
BARLOTTE	5.3	2.7	5.7	5.0	4.7
LSD VALUE	1.3	1.9	1.0	1.7	0.9

1/ LEAF SPOT RATED AT "MN1" IN 1991, AT "NJ1" & "OH2" IN 1990 AND AT "UB1" IN 1990 & 1991.

2/ 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 19D. LEAF SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	MN1	NJ1	OH2	UB1	MEAN
DIGNITY (OFI 89-200)	6.3	7.0	7.3	7.7	7.1
TROPHY (ESTORIL)	6.0	6.7	7.7	7.5	7.0
LONGFELLOW	6.7	6.3	8.0	6.5	6.9
WALDORF	7.7	5.3	7.3	7.2	6.9
BARGREEN	7.3	5.3	7.3	7.2	6.8
TIFFANY (PST-4CD)	7.0	5.7	7.3	7.2	6.8
89.LKR	.	7.0	.	6.5	6.8
PROFORMER (JMB-89)	7.0	6.7	7.3	5.7	6.7
EPSOM	6.7	5.7	7.7	6.2	6.5
SOUTHPORT	6.0	7.0	7.3	5.5	6.5
RAINBOW	6.3	5.0	7.0	7.3	6.4
SCARLET	6.3	5.7	6.7	6.8	6.4
SHADOW W/ENDO. (PST-SHE)	6.7	5.3	7.0	6.5	6.4
DOVER (NK 82492)	6.7	5.7	7.3	5.7	6.3
BARLANDER (BAR FR 9F)	6.0	5.7	7.0	6.5	6.3
ATLANTA	7.0	3.3	7.3	7.3	6.3
BRIDGEPORT (N-105)	6.0	6.3	7.0	5.7	6.3
RAYMOND	6.3	4.0	7.7	6.8	6.2
MARY	5.7	5.3	6.3	7.2	6.1
ENJOY	5.7	5.0	7.0	6.5	6.0
CAPITOL	5.3	5.7	7.3	5.8	6.0
JAMESTOWN II	5.3	6.0	7.0	5.8	6.0
PST-4FE	6.0	4.3	7.7	6.0	6.0
ERG 1143	6.3	3.0	6.7	7.7	5.9
WILMA	6.7	4.7	6.7	5.5	5.9
FERNANDO (HF 112)	7.0	3.3	7.0	6.0	5.8
SR 5000	5.3	5.0	7.0	5.8	5.8
CAMARO	6.7	4.0	7.0	5.3	5.8
SIMONE (LD 3485)	6.7	3.3	7.0	5.8	5.7
JAMESTOWN	6.3	4.3	7.0	4.8	5.6
BANNER	6.0	4.0	7.3	5.0	5.6
MOLINDA	6.0	4.0	7.0	5.2	5.5
PUMA	5.7	3.0	7.0	6.0	5.4
KOKET	6.7	3.3	6.7	4.8	5.4
SHADOW	5.3	4.0	7.0	4.8	5.3
BARNICA	6.3	2.3	7.7	4.3	5.2
LSD VALUE	1.0	1.5	1.1	1.4	0.7

1/ LEAF SPOT RATED AT "MN1" IN 1991, AT "NJ1" & "OH2" IN 1990 AND AT "UB1" IN 1990 & 1991.

2/ 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 19E. LEAF SPOT RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	MN1	NJ1	OH2	UB1	MEAN
SILVANA	7.0	8.0	7.3	7.3	7.4
SR 3100 (SRX 89-31)	6.7	8.3	6.7	7.5	7.3
VALDA	6.7	8.3	7.0	7.0	7.3
AURORA	6.7	8.0	7.3	6.8	7.2
BRIGADE (MELODY)	7.0	8.0	7.0	6.8	7.2
AURORA W/ENDO. (PST-AUE)	6.3	7.7	7.7	6.8	7.1
DISCOVERY (PST-4HD)	6.7	7.3	7.0	7.5	7.1
SCALDIS	6.3	7.3	7.3	7.2	7.0
ATTILA	6.7	7.0	7.3	7.0	7.0
BILJART	7.3	6.7	7.3	6.5	7.0
BARREPP0	7.3	6.0	7.3	6.8	6.9
SR 3000	6.3	6.3	7.3	7.0	6.8
RELIANT-NO ENDOPHYTE	6.7	7.0	7.0	6.2	6.7
PST-4AG	7.0	7.0	7.0	5.8	6.7
BARDUR (BAR FO 9A2)	7.0	6.0	7.0	6.5	6.6
SERRA	6.7	5.7	7.3	6.8	6.6
EUREKA	7.0	5.3	7.0	6.7	6.5
RELIANT-W/ ENDOPHYTE	6.0	6.3	6.7	6.7	6.4
WARWICK	.	6.3	.	6.3	6.3
LSD VALUE	0.9	1.8	0.8	1.1	0.6

TABLE 19F. LEAF SPOT RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	MN1	NJ1	OH2	UB1	MEAN
BIGHORN	8	7.7	7.3	6.2	7.3
MX 86	8	6.0	6.7	5.0	6.4
LSD VALUE	0	1.7	0.9	0.8	0.5

1/ LEAF SPOT RATED AT "MN1" IN 1991, AT "NJ1" & "OH2" IN 1990 AND AT "UB1" IN 1990 & 1991.

2/ 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 20A. DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1	NJ2	NJ3	PA1	MEAN
WARWICK	8.7	8.7	9.0	.	8.8
DISCOVERY (PST-4HD)	9.0	8.3	9.0	8.7	8.8
SR 5000	8.7	9.0	9.0	8.3	8.8
TIFFANY (PST-4CD)	9.0	8.7	9.0	8.3	8.8
SOUTHPORT	8.7	9.0	9.0	8.0	8.7
RELIANT-W/ ENDOPHYTE	8.3	8.3	9.0	8.7	8.6
SHADOW W/ENDO. (PST-SHE)	8.3	9.0	9.0	8.0	8.6
TROPHY (ESTORIL)	8.3	8.7	9.0	8.3	8.6
BARNICA	8.7	8.7	9.0	8.0	8.6
BRIDGEPORT (N-105)	8.3	8.7	8.7	8.7	8.6
JAMESTOWN II	8.3	8.7	9.0	8.0	8.5
KOKET	7.7	9.0	9.0	8.3	8.5
PROFORMER (JMB-89)	9.0	8.3	9.0	7.3	8.4
RAINBOW	8.3	8.3	9.0	8.0	8.4
BARGREEN	8.7	8.0	8.7	8.3	8.4
MOLINDA	8.7	8.3	8.7	8.0	8.4
RAYMOND	7.7	8.3	9.0	8.7	8.4
SERRA	7.3	8.7	9.0	8.7	8.4
SHADOW	8.3	8.7	8.7	8.0	8.4
DOVER (NK 82492)	8.0	8.3	8.7	8.3	8.3
FERNANDO (HF 112)	8.0	8.3	9.0	8.0	8.3
ERG 1143	8.0	8.7	9.0	7.7	8.3
ENJOY	8.0	8.3	8.7	8.0	8.3
EPSOM	8.7	7.7	8.7	8.0	8.3
SCARLET	7.3	8.3	9.0	8.3	8.3
WILMA	7.3	8.3	9.0	8.3	8.3
BRIGADE (MELODY)	8.0	7.7	9.0	8.0	8.2
CAMARO	8.0	8.0	8.7	8.0	8.2
CAPITOL	7.0	8.0	9.0	8.7	8.2
PST-4FE	8.0	8.0	8.7	8.0	8.2
RELIANT-NO ENDOPHYTE	7.7	7.3	9.0	8.7	8.2
SCALDIS	7.3	7.7	9.0	8.7	8.2
WALDORF	8.0	8.0	9.0	7.7	8.2
ATLANTA	7.7	7.7	9.0	8.0	8.1
SR 3000	7.3	7.7	9.0	8.3	8.1
SR 3100 (SRX 89-31)	8.3	7.0	9.0	8.0	8.1
89.LKR	7.3	7.7	8.7	8.3	8.0
BANNER	8.0	6.7	9.0	8.3	8.0
MARY	8.0	7.3	8.7	8.0	8.0
JAMESTOWN	6.7	8.0	8.7	8.3	7.9
PST-4AG	7.7	6.3	9.0	8.7	7.9
PUMA	7.3	7.7	8.7	8.0	7.9
SIMONE (LD 3485)	7.0	7.7	8.7	7.7	7.8
BARREPPPO	7.7	6.7	8.7	8.0	7.8
MX 86	7.3	6.3	9.0	8.0	7.7
BARDUR (BAR FO 9A2)	7.7	5.3	8.7	8.7	7.6
FRANKLIN	6.3	6.7	7.7	9.0	7.4
PST-4R3	7.3	5.7	9.0	7.7	7.4

DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS
1990-1993 DATA
DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE

NAME	NJ1	NJ2	NJ3	PA1	MEAN
AURORA W/ENDO. (PST-AUE)	6.3	6.0	9.0	8.3	7.4
BARLANDER (BAR FR 9F)	7.3	5.3	9.0	8.0	7.4
AURORA	7.0	5.3	8.7	8.3	7.3
BELVEDEFE	7.0	6.0	8.0	8.3	7.3
DIGNITY (OFI 89-200)	7.0	5.7	8.7	7.7	7.3
EUREKA	6.3	5.3	9.0	8.3	7.3
VALDA	6.3	5.7	8.7	8.3	7.3
ATTILA	6.7	5.3	8.7	8.0	7.2
SILVANA	6.3	5.3	9.0	8.0	7.2
SYLVESTER	6.3	5.3	8.7	8.0	7.1
BOREAL	6.3	6.3	8.3	7.0	7.0
ELANOR	7.7	5.0	7.3	8.0	7.0
CLAUDIA	6.0	5.0	8.7	7.7	6.8
LONGFELLOW	4.7	5.0	8.7	8.7	6.8
BILJART	4.3	5.0	9.0	8.0	6.6
BARGENA	5.3	5.3	7.3	8.0	6.5
BIGHORN	6.0	3.0	9.0	8.0	6.5
BARCROWN	8.0	4.0	5.7	7.7	6.3
COLLO (LD 3414)	4.0	5.7	8.0	7.3	6.3
BARLOTTE	6.7	4.3	6.7	7.0	6.2
SEABREEZE (FRT-30149)	5.7	3.3	7.0	8.7	6.2
BARGENA II (BAR FR8RC3)	5.3	5.0	6.0	8.0	6.1
NAPOLI (LD 3488)	5.7	4.7	6.3	6.7	5.8
SUNSET (ZW 42-158)	4.0	4.3	7.3	7.7	5.8
HERALD	4.7	3.3	7.3	7.3	5.7
COMFORT (HF 102)	5.7	3.0	5.0	7.3	5.3
BARSKOL (BAR FR 9F)	4.0	6.0	4.0	6.7	5.2
REVERE (NK 88001)	4.7	2.7	5.3	8.0	5.2
ENSYLVA	2.3	5.0	4.3	8.3	5.0
PST-4NI	4.0	1.7	5.7	8.7	5.0
SALEM	3.0	2.3	7.0	7.7	5.0
TALUS (ID 3438)	3.3	3.3	6.0	7.3	5.0
SYLVIA (WW RS 130)	3.7	5.0	4.0	7.0	4.9
WW RS 143	4.0	4.0	4.3	7.3	4.9
HF 138	4.0	1.3	5.7	7.3	4.6
JASPER	4.3	1.7	4.7	7.3	4.5
PST-43F	2.7	3.0	4.3	7.7	4.4
CINDY	3.7	3.0	4.0	7.0	4.4
MARKER	5.3	5.0	2.3	3.7	4.1
PST-4C8	3.7	3.7	3.3	5.7	4.1
FLYER	2.3	1.3	3.3	8.0	3.8
SHADEMASTER	2.7	2.7	3.0	6.3	3.7
VISTA	2.7	1.0	3.0	7.0	3.4
WW RS 138	2.3	1.7	3.7	5.7	3.3
DAWSON	3.7	2.3	2.0	5.0	3.3
SMIRNA (ZW 42-160)	3.0	2.7	1.0	3.0	2.4
LSD VALUE	2.1	2.5	1.8	1.1	1.0

1/ DOLLAR SPOT RATED AT "NJ1" & "NJ2" IN 1992 AT "NJ3" IN 1991 AND AT "PA1" IN 1993.

2/ 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 20B. DOLLAR SPOT RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1	NJ2	NJ3	PA1	MEAN
FRANKLIN	6.3	6.7	7.7	9.0	7.4
PST-4R3	7.3	5.7	9.0	7.7	7.4
BELVEDERE	7.0	6.0	8.0	8.3	7.3
SYLVESTER	6.3	5.3	8.7	8.0	7.1
BOREAL	6.3	6.3	8.3	7.0	7.0
ELANOR	7.7	5.0	7.3	8.0	7.0
CLAUDIA	6.0	5.0	8.7	7.7	6.8
BARGENA	5.3	5.3	7.3	8.0	6.5
COLLO (LD 3414)	4.0	5.7	8.0	7.3	6.3
BARGENA II (BAR FR8RC3)	5.3	5.0	6.0	8.0	6.1
SUNSET (ZW 42-158)	4.0	4.3	7.3	7.7	5.8
HERALD	4.7	3.3	7.3	7.3	5.7
REVERE (NK 88001)	4.7	2.7	5.3	8.0	5.2
ENSYLVA	2.3	5.0	4.3	8.3	5.0
PST-4NI	4.0	1.7	5.7	8.7	5.0
SALEM	3.0	2.3	7.0	7.7	5.0
TALUS (LD 3438)	3.3	3.3	6.0	7.3	5.0
SYLVIA (WW RS 130)	3.7	5.0	4.0	7.0	4.9
WW RS 143	4.0	4.0	4.3	7.3	4.9
JASPER	4.3	1.7	4.7	7.3	4.5
PST-43F	2.7	3.0	4.3	7.7	4.4
CINDY	3.7	3.0	4.0	7.0	4.4
PST-4C8	3.7	3.7	3.3	5.7	4.1
FLYER	2.3	1.3	3.3	8.0	3.8
SHADEMASTER	2.7	2.7	3.0	6.3	3.7
VISTA	2.7	1.0	3.0	7.0	3.4
WW RS 138	2.3	1.7	3.7	5.7	3.3
LSD VALUE	2.5	3.5	2.9	1.4	1.3

TABLE 20C. DOLLAR SPOT RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1	NJ2	NJ3	PA1	MEAN
BARCROWN	8.0	4.0	5.7	7.7	6.3
BARLOTTE	6.7	4.3	6.7	7.0	6.2
SEABREEZE (FRT-30149)	5.7	3.3	7.0	8.7	6.2
NAPOLI (LD 3488)	5.7	4.7	6.3	6.7	5.8
COMFORT (HF 102)	5.7	3.0	5.0	7.3	5.3
BARSKOL (BAR FR 9P)	4.0	6.0	4.0	6.7	5.2
HF 138	4.0	1.3	5.7	7.3	4.6
MARKER	5.3	5.0	2.3	3.7	4.1
DAWSON	3.7	2.3	2.0	5.0	3.3
SMIRNA (ZW 42-160)	3.0	2.7	1.0	3.0	2.4
LSD VALUE	3.1	3.2	2.3	1.9	1.3

- 1/ DOLLAR SPOT RATED AT "NJ1" & "NJ2" IN 1992 AT "NJ3" IN 1991 AND AT "PA1" IN 1993.
2/ 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 20D. DOLLAR SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	NJ1	NJ2	NJ3	PA1	MEAN
SR 5000	8.7	9.0	9.0	8.3	8.8
TIFFANY (PST-4CD)	9.0	8.7	9.0	8.3	8.8
SOUTHPORT	8.7	9.0	9.0	8.0	8.7
SHADOW W/ENDO. (PST-SHE)	8.3	9.0	9.0	8.0	8.6
TROPHY (ESTORIL)	8.3	8.7	9.0	8.3	8.6
BARNICA	8.7	8.7	9.0	8.0	8.6
BRIDGEPORT (N-105)	8.3	8.7	8.7	8.7	8.6
JAMESTOWN II	8.3	8.7	9.0	8.0	8.5
KOKET	7.7	9.0	9.0	8.3	8.5
PROFORMER (JMB-89)	9.0	8.3	9.0	7.3	8.4
RAINBOW	8.3	8.3	9.0	8.0	8.4
BARGREEN	8.7	8.0	8.7	8.3	8.4
MOLINDA	8.7	8.3	8.7	8.0	8.4
RAYMOND	7.7	8.3	9.0	8.7	8.4
SHADOW	8.3	8.7	8.7	8.0	8.4
DOVER (NK 82492)	8.0	8.3	8.7	8.3	8.3
FERNANDO (HF 112)	8.0	8.3	9.0	8.0	8.3
ERG 1143	8.0	8.7	9.0	7.7	8.3
ENJOY	8.0	8.3	8.7	8.0	8.3
EPSOM	8.7	7.7	8.7	8.0	8.3
SCARLET	7.3	8.3	9.0	8.3	8.3
WILMA	7.3	8.3	9.0	8.3	8.3
CAMARO	8.0	8.0	8.7	8.0	8.2
CAPITOL	7.0	8.0	9.0	8.7	8.2
PST-4FE	8.0	8.0	8.7	8.0	8.2
WALDORF	8.0	8.0	9.0	7.7	8.2
ATLANTA	7.7	7.7	9.0	8.0	8.1
89.LKR	7.3	7.7	8.7	8.3	8.0
BANNER	8.0	6.7	9.0	8.3	8.0
MARY	8.0	7.3	8.7	8.0	8.0
JAMESTOWN	6.7	8.0	8.7	8.3	7.9
PUMA	7.3	7.7	8.7	8.0	7.9
SIMONE (LD 3485)	7.0	7.7	8.7	7.7	7.8
BARLANDER (BAR ER 9F)	7.3	5.3	9.0	8.0	7.4
DIGNITY (OFI 89-200)	7.0	5.7	8.7	7.7	7.3
LONGFELLOW	4.7	5.0	8.7	8.7	6.8
LSD VALUE	1.3	1.9	0.6	0.7	0.6

1/ DOLLAR SPOT RATED AT "NJ1" & "NJ2" IN 1992 AT "NJ3" IN 1991 AND AT "PA1" IN 1993.

2/ 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 20E. DOLLAR SPOT RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	NJ1	NJ2	NJ3	PA1	MEAN
WARWICK	8.7	8.7	9.0	.	8.8
DISCOVERY (PST-4HD)	9.0	8.3	9.0	8.7	8.8
RELIANT-W/ ENDOHYTE	8.3	8.3	9.0	8.7	8.6
SERRA	7.3	8.7	9.0	8.7	8.4
BRIGADE (MELODY)	8.0	7.7	9.0	8.0	8.2
RELIANT-NO ENDOHYTE	7.7	7.3	9.0	8.7	8.2
SCALDIS	7.3	7.7	9.0	8.7	8.2
SR 3000	7.3	7.7	9.0	8.3	8.1
SR 3100 (SRX 89-31)	8.3	7.0	9.0	8.0	8.1
PST-4AG	7.7	6.3	9.0	8.7	7.9
BARREPP0	7.7	6.7	8.7	8.0	7.8
BARDUR (BAR FO 9A2)	7.7	5.3	8.7	8.7	7.6
AURORA W/ENDO. (PST-AUE)	6.3	6.0	9.0	8.3	7.4
AURORA	7.0	5.3	8.7	8.3	7.3
EUREKA	6.3	5.3	9.0	8.3	7.3
VALDA	6.3	5.7	8.7	8.3	7.3
ATTILA	6.7	5.3	8.7	8.0	7.2
SILVANA	6.3	5.3	9.0	8.0	7.2
BILJART	4.3	5.0	9.0	8.0	6.6
LSD VALUE	1.9	1.4	0.5	0.8	0.6

TABLE 20F. DOLLAR SPOT RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	NJ1	NJ2	NJ3	PA1	MEAN
MX 86	7.3	6.3	9	8	7.7
BIGHORN	6.0	3.0	9	8	6.5
LSD VALUE	2.9	0.7	0	0	0.7

1/ DOLLAR SPOT RATED AT "NJ1" & "NJ2" IN 1992 AT "NJ3" IN 1991 AND AT "PA1" IN 1993.

2/ 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 21A. RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	ID2	NJ1	NJ2	NJ3	OH2	RI1	MEAN
SR 3100 (SRX 89-31)	8.3	8.7	8.3	6.8	6.2	7.3	7.6
VALDA	9.0	7.7	8.7	6.3	5.8	7.3	7.5
AURORA W/ENDO. (PST-AUE)	8.7	8.7	8.0	5.8	6.2	7.3	7.4
SILVANA	7.7	8.7	8.3	6.7	6.2	7.0	7.4
WARWICK	.	8.0	8.0	5.5	.	8.0	7.4
DISCOVERY (PST-4HD)	6.7	8.0	8.7	6.7	5.2	9.0	7.4
PST-4AG	7.0	8.0	8.0	6.5	6.2	8.3	7.3
WALDORF	8.7	8.0	8.0	5.7	5.7	8.0	7.3
BARDUR (BAR FO 9A2)	8.3	7.7	8.3	5.8	5.8	7.3	7.2
SCALDIS	8.3	9.0	8.0	6.0	5.7	6.0	7.2
BARGREEN	9.0	7.0	6.3	5.5	6.5	8.0	7.1
BRIGADE (MELODY)	8.0	8.0	8.3	6.2	5.7	6.0	7.0
RELIANT-W/ ENDOPHYTE	6.3	8.3	8.3	6.2	5.7	7.3	7.0
MX 86	8.3	8.0	7.0	6.0	6.2	6.7	7.0
AURORA	8.3	7.0	8.0	5.7	5.7	7.3	7.0
SERRA	6.7	8.0	7.7	6.5	5.5	7.5	7.0
SR 3000	7.3	8.0	7.3	6.0	5.8	6.7	6.9
BILJART	7.3	7.7	8.0	5.8	5.8	6.3	6.8
EUREKA	6.7	8.0	7.7	5.5	5.8	7.0	6.8
ATTILA	6.7	7.7	8.0	6.3	6.3	5.7	6.8
BIGHORN	7.3	8.7	8.3	6.3	5.7	4.0	6.7
RAINBOW	9.0	5.3	7.0	6.0	5.7	7.0	6.7
BARCROWN	8.0	7.3	6.0	4.7	6.3	7.3	6.6
FERNANDO (HF 112)	9.0	6.3	6.0	5.5	6.5	6.0	6.6
RELIANT-NO ENDOPHYTE	8.0	8.0	8.7	5.8	5.0	3.7	6.5
BARREPPPO	7.3	7.0	7.3	5.3	5.7	6.3	6.5
ERG 1143	9.0	6.0	5.7	5.2	5.8	7.0	6.4
PUMA	9.0	5.3	5.7	4.8	5.7	7.7	6.4
MARY	8.7	5.7	7.3	4.5	5.8	6.0	6.3
SOUTHPORT	8.7	5.3	6.7	5.8	4.8	6.7	6.3
JAMESTOWN II	9.0	4.7	6.3	5.3	5.2	7.3	6.3
SIMONE (LD 3485)	8.7	5.0	7.7	4.7	6.0	5.7	6.3
DOVER (NK 82492)	8.3	6.0	6.7	5.8	5.2	5.3	6.2
PROFORMER (JMB-89)	9.0	5.7	5.3	6.2	4.8	6.3	6.2
SR 5000	9.0	6.0	5.0	6.0	4.7	6.7	6.2
EPSOM	9.0	3.3	6.7	4.8	6.5	7.0	6.2
BARSKOL (BAR FR 9P)	8.7	6.7	4.7	5.3	6.0	5.7	6.2
LONGFELLOW	8.7	5.7	5.0	6.0	4.7	7.0	6.2
RAYMOND	9.0	6.7	6.3	4.7	5.3	5.0	6.2
SHADOW W/ENDO. (PST-SHE)	8.3	5.7	5.3	5.5	4.8	7.3	6.2
MOLINDA	9.0	6.0	4.7	4.5	5.3	7.3	6.1
89.LKR	.	4.7	7.0	6.0	.	6.7	6.1
TROPHY (ESTORIL)	8.3	5.0	6.3	5.2	6.0	5.7	6.1
DIGNITY (OFI 89-200)	9.0	4.0	6.0	4.8	5.0	7.3	6.0
BRIDGEPORT (N-105)	9.0	5.0	4.7	6.3	4.7	6.3	6.0
DAWSON	9.0	7.3	5.7	3.8	4.5	5.7	6.0
BARNICA	8.7	7.7	4.7	3.7	5.7	5.3	5.9
KOKET	8.7	7.3	3.7	4.8	5.2	6.0	5.9
BARLANDER (BAR FR 9F)	9.0	5.3	6.0	4.0	4.8	6.3	5.9

RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS
1990-1993 DATA
RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	ID2	NJ1	NJ2	NJ3	OH2	RI1	MEAN
SHADOW	8.7	5.0	4.7	4.5	5.3	7.3	5.9
ENJOY	9.0	4.3	4.7	5.0	5.5	6.7	5.9
MARKER	8.0	6.3	4.3	5.0	6.2	5.3	5.9
SMIRNA (ZW 42-160)	7.3	6.7	5.0	5.0	4.0	6.7	5.8
COMFORT (HF 102)	7.7	7.0	4.3	3.0	6.2	6.3	5.8
JAMESTOWN	8.3	4.7	5.7	5.7	5.0	5.0	5.7
ATLANTA	8.3	3.7	7.0	4.5	4.8	6.0	5.7
CAMARO	8.3	6.3	4.7	4.5	5.7	4.7	5.7
SEABREEZE (FRT-30149)	8.0	5.7	4.7	4.3	5.5	6.0	5.7
NAPOLI (LD 3488)	8.7	5.0	6.7	3.0	4.8	5.7	5.6
WILMA	8.0	6.3	4.3	4.8	4.5	5.7	5.6
CAPITOL	8.7	5.3	6.0	3.7	4.5	5.0	5.5
TIFFANY (PST-4CD)	8.7	4.3	4.7	4.8	5.5	5.0	5.5
PST-4FE	9.0	5.3	3.3	5.0	5.2	5.0	5.5
BANNER	8.3	4.3	5.0	4.5	4.3	6.0	5.4
TALUS (LD 3438)	8.0	5.7	5.0	3.2	5.3	5.3	5.4
BARLOTTE	8.7	5.7	4.3	2.7	5.3	5.3	5.3
REVERE (NK 88001)	7.7	6.3	4.0	2.3	5.5	5.7	5.3
PST-4NI	8.0	6.7	4.7	1.8	5.0	5.0	5.2
SUNSET (ZW 42-158)	7.7	6.7	3.0	2.2	5.8	5.7	5.2
WW RS 138	8.7	7.0	3.3	2.7	4.7	4.3	5.1
SCARLET	8.7	5.0	3.3	4.5	4.8	4.3	5.1
BELVEDERE	8.3	4.3	4.3	3.2	5.3	5.0	5.1
JASPER	8.3	5.3	4.3	3.7	4.7	4.0	5.1
SHADEMASTER	8.0	5.3	3.0	3.2	4.7	6.0	5.0
SYLVESTER	8.3	6.0	3.0	2.2	5.5	5.0	5.0
COLLO (LD 3414)	9.0	4.3	4.7	2.3	5.3	4.3	5.0
PST-4C8	8.3	6.0	3.7	3.7	4.5	3.7	5.0
HF 138	8.0	5.7	4.3	3.3	4.7	3.7	4.9
PST-43F	8.3	5.7	3.3	2.8	4.8	4.7	4.9
FLYER	8.3	5.7	4.3	3.2	4.5	3.3	4.9
ELANOR	8.0	4.0	4.0	3.3	4.8	5.0	4.9
SYLVIA (WW RS 130)	8.7	5.0	3.0	2.3	5.2	4.7	4.8
WW RS 143	8.7	5.0	2.7	2.2	4.5	5.7	4.8
FRANKLIN	8.3	5.3	3.0	2.2	5.0	4.7	4.8
SALEM	8.0	4.7	5.0	2.5	4.3	4.0	4.8
VISTA	8.3	5.7	3.3	3.0	4.7	3.3	4.7
CINDY	8.7	5.7	3.0	2.5	5.0	3.3	4.7
PST-4R3	7.7	3.3	3.7	3.2	4.8	4.7	4.6
BOREAL	7.7	5.0	3.7	1.8	5.3	3.3	4.5
HERALD	8.3	4.0	3.3	3.0	4.8	3.0	4.4
BARGENA II (BAR FR8RC3)	7.0	5.3	3.3	1.7	4.7	4.0	4.3
CLAUDIA	7.7	5.7	2.7	2.0	4.8	3.0	4.3
ENSYLVA	7.7	6.0	3.0	1.8	4.2	2.7	4.2
BARGENA	7.3	4.7	3.0	1.8	4.3	3.0	4.0
LSL VALUE	1.8	2.3	2.0	1.7	1.3	2.2	0.8

1/ RED THREAD RATED AT "ID2" IN 1990, AT "NJ1" IN 1993, AT "NJ2" & "RI1" IN 1991, AT "NJ3" IN 1991 & 1992 AND AT "OH2" IN 1990 & 1992.
2/ 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 21B. RED THREAD RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	ID2	NJ1	NJ2	NJ3	OH2	RI1	MEAN
TALUS (LD 3438)	8.0	5.7	5.0	3.2	5.3	5.3	5.4
REVERE (NK 88001)	7.7	6.3	4.0	2.3	5.5	5.7	5.3
EST-4NI	8.0	6.7	4.7	1.8	5.0	5.0	5.2
SUNSET (ZW 42-158)	7.7	6.7	3.0	2.2	5.8	5.7	5.2
WW RS 138	8.7	7.0	3.3	2.7	4.7	4.3	5.1
BELVEDERE	8.3	4.3	4.3	3.2	5.3	5.0	5.1
JASPER	8.3	5.3	4.3	3.7	4.7	4.0	5.1
SHADEMASTER	8.0	5.3	3.0	3.2	4.7	6.0	5.0
SYLVESTER	8.3	6.0	3.0	2.2	5.5	5.0	5.0
COLLO (LD 3414)	9.0	4.3	4.7	2.3	5.3	4.3	5.0
EST-4C8	8.3	6.0	3.7	3.7	4.5	3.7	5.0
EST-43F	8.3	5.7	3.3	2.8	4.8	4.7	4.9
FLYER	8.3	5.7	4.3	3.2	4.5	3.3	4.9
ELANOR	8.0	4.0	4.0	3.3	4.8	5.0	4.9
SYLVIA (WW RS 130)	8.7	5.0	3.0	2.3	5.2	4.7	4.8
WW RS 143	8.7	5.0	2.7	2.2	4.5	5.7	4.8
FRANKLIN	8.3	5.3	3.0	2.2	5.0	4.7	4.8
SALEM	8.0	4.7	5.0	2.5	4.3	4.0	4.8
VISTA	8.3	5.7	3.3	3.0	4.7	3.3	4.7
CINDY	8.7	5.7	3.0	2.5	5.0	3.3	4.7
EST-4R3	7.7	3.3	3.7	3.2	4.8	4.7	4.6
BOREAL	7.7	5.0	3.7	1.8	5.3	3.3	4.5
HERALD	8.3	4.0	3.3	3.0	4.8	3.0	4.4
BARGENA II (BAR FR8RC3)	7.0	5.3	3.3	1.7	4.7	4.0	4.3
CLAUDIA	7.7	5.7	2.7	2.0	4.8	3.0	4.3
ENSYLVA	7.7	6.0	3.0	1.8	4.2	2.7	4.2
BARGENA	7.3	4.7	3.0	1.8	4.3	3.0	4.0
LSD VALUE	1.8	2.2	1.6	1.3	1.3	2.5	0.7

TABLE 21C. RED THREAD RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	ID2	NJ1	NJ2	NJ3	OH2	RI1	MEAN
BARCROWN	8.0	7.3	6.0	4.7	6.3	7.3	6.6
BARSKOL (BAR FR 9P)	8.7	6.7	4.7	5.3	6.0	5.7	6.2
DAWSON	9.0	7.3	5.7	3.8	4.5	5.7	6.0
MARKER	8.0	6.3	4.3	5.0	6.2	5.3	5.9
SMIRNA (ZW 42-160)	7.3	6.7	5.0	5.0	4.0	6.7	5.8
COMFORT (HF 102)	7.7	7.0	4.3	3.0	6.2	6.3	5.8
SEABREEZE (FRT-30149)	8.0	5.7	4.7	4.3	5.5	6.0	5.7
NAPOLI (LD 3488)	8.7	5.0	6.7	3.0	4.8	5.7	5.6
BARLOTTE	8.7	5.7	4.3	2.7	5.3	5.3	5.3
HF 138	8.0	5.7	4.3	3.3	4.7	3.7	4.9
LSD VALUE	1.7	2.1	2.1	1.5	1.1	2.4	0.7

1/ RED THREAD RATED AT "ID2" IN 1990, AT "NJ1" IN 1993, AT "NJ2" & "RI1" IN 1991, AT "NJ3" IN 1991 & 1992 AND AT "OH2" IN 1990 & 1992.

2/ 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 21D. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	NJ1	NJ2	NJ3	OH2	RI1	MEAN
WALDORF	8.7	8.0	8.0	5.7	5.7	8.0	7.3
BARGREEN	9.0	7.0	6.3	5.5	6.5	8.0	7.1
RAINBOW	9.0	5.3	7.0	6.0	5.7	7.0	6.7
FERNANDO (HF 112)	9.0	6.3	6.0	5.5	6.5	6.0	6.6
ERG 1143	9.0	6.0	5.7	5.2	5.8	7.0	6.4
PUMA	9.0	5.3	5.7	4.8	5.7	7.7	6.4
MARY	8.7	5.7	7.3	4.5	5.8	6.0	6.3
SOUTHPORT	8.7	5.3	6.7	5.8	4.8	6.7	6.3
JAMESTOWN II	9.0	4.7	6.3	5.3	5.2	7.3	6.3
SIMONE (LD 3485)	8.7	5.0	7.7	4.7	6.0	5.7	6.3
DOVER (NK 82492)	8.3	6.0	6.7	5.8	5.2	5.3	6.2
PROFORMER (JMB-89)	9.0	5.7	5.3	6.2	4.8	6.3	6.2
SR 5000	9.0	6.0	5.0	6.0	4.7	6.7	6.2
EPSOM	9.0	3.3	6.7	4.8	6.5	7.0	6.2
LONGFELLOW	8.7	5.7	5.0	6.0	4.7	7.0	6.2
RAYMOND	9.0	6.7	6.3	4.7	5.3	5.0	6.2
SHADOW W/ENDO. (PST-SHE)	8.3	5.7	5.3	5.5	4.8	7.3	6.2
MOLINDA	9.0	6.0	4.7	4.5	5.3	7.3	6.1
89.LKR	.	4.7	7.0	6.0	.	6.7	6.1
TROPHY (ESTORIL)	8.3	5.0	6.3	5.2	6.0	5.7	6.1
DIGNITY (OFI 89-200)	9.0	4.0	6.0	4.8	5.0	7.3	6.0
BRIDGEPORT (N-105)	9.0	5.0	4.7	6.3	4.7	6.3	6.0
BARNICA	8.7	7.7	4.7	3.7	5.7	5.3	5.9
KOKET	8.7	7.3	3.7	4.8	5.2	6.0	5.9
BARLANDER (BAR FR 9F)	9.0	5.3	6.0	4.0	4.8	6.3	5.9
SHADOW	8.7	5.0	4.7	4.5	5.3	7.3	5.9
ENJOY	9.0	4.3	4.7	5.0	5.5	6.7	5.9
JAMESTOWN	8.3	4.7	5.7	5.7	5.0	5.0	5.7
ATLANTA	8.3	3.7	7.0	4.5	4.8	6.0	5.7
CAMARO	8.3	6.3	4.7	4.5	5.7	4.7	5.7
WILMA	8.0	6.3	4.3	4.8	4.5	5.7	5.6
CAPITOL	8.7	5.3	6.0	3.7	4.5	5.0	5.5
TIFFANY (PST-4CD)	8.7	4.3	4.7	4.8	5.5	5.0	5.5
PST-4FE	9.0	5.3	3.3	5.0	5.2	5.0	5.5
BANNER	8.3	4.3	5.0	4.5	4.3	6.0	5.4
SCARLET	8.7	5.0	3.3	4.5	4.8	4.3	5.1
LSD VALUE	1.0	2.7	2.5	1.8	1.5	2.3	0.8

1/ RED THREAD RATED AT "ID2" IN 1990, AT "NJ1" IN 1993, AT "NJ2" & "RI1" IN 1991, AT "NJ3" IN 1991 & 1992 AND AT "OH2" IN 1990 & 1992.

2/ 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 21E. RED THREAD RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	NJ1	NJ2	NJ3	OH2	RI1	MEAN
SR 3100 (SRX 89-31)	8.3	8.7	8.3	6.8	6.2	7.3	7.6
VALDA	9.0	7.7	8.7	6.3	5.8	7.3	7.5
AURORA W/ENDO. (PST-AUE)	8.7	8.7	8.0	5.8	6.2	7.3	7.4
SILVANA	7.7	8.7	8.3	6.7	6.2	7.0	7.4
WARWICK	.	8.0	8.0	5.5	.	8.0	7.4
DISCOVERY (PST-4HD)	6.7	8.0	8.7	6.7	5.2	9.0	7.4
PST-4AG	7.0	8.0	8.0	6.5	6.2	8.3	7.3
BARDUR (BAR FO 9A2)	8.3	7.7	8.3	5.8	5.8	7.3	7.2
SCALDIS	8.3	9.0	8.0	6.0	5.7	6.0	7.2
BRIGADE (MELODY)	8.0	8.0	8.3	6.2	5.7	6.0	7.0
RELIANT-W/ ENDOPHYTE	6.3	8.3	8.3	6.2	5.7	7.3	7.0
AURORA	8.3	7.0	8.0	5.7	5.7	7.3	7.0
SERRA	6.7	8.0	7.7	6.5	5.5	7.5	7.0
SR 3000	7.3	8.0	7.3	6.0	5.8	6.7	6.9
BILJART	7.3	7.7	8.0	5.8	5.8	6.3	6.8
EUREKA	6.7	8.0	7.7	5.5	5.8	7.0	6.8
ATTILA	6.7	7.7	8.0	6.3	6.3	5.7	6.8
RELIANT-NO ENDOPHYTE	8.0	8.0	8.7	5.8	5.0	3.7	6.5
BARREPPPO	7.3	7.0	7.3	5.3	5.7	6.3	6.5
LSD VALUE	2.6	1.4	1.2	2.0	1.2	1.6	0.8

TABLE 21F. RED THREAD RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	ID2	NJ1	NJ2	NJ3	OH2	RI1	MEAN
MX 86	8.3	8.0	7.0	6.0	6.2	6.7	7.0
BIGHORN	7.3	8.7	8.3	6.3	5.7	4.0	6.7
LSD VALUE	2.2	0.7	1.3	3.0	0.7	1.3	0.9

1/ RED THREAD RATED AT "ID2" IN 1990, AT "NJ1" IN 1993, AT "NJ2" & "RI1" IN 1991, AT "NJ3" IN 1991 & 1992 AND AT "OH2" IN 1990 & 1992.

2/ 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 22A. SUMMER PATCH RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1	NAME	NJ1
LONGFELLOW	9.0	BARGENA	7.3
PST-43F	9.0	BILJART	7.3
PST-4C8	9.0	CAMARO	7.3
BELVEDEERE	8.7	HERALD	7.3
CINDY	8.7	PROFORMER (JMB-89)	7.3
ENSYLVA	8.7	SERRA	7.3
BARDUR (BAR FO 9A2)	8.3	SHADOW	7.3
BARLANDER (BAR FR 9F)	8.3	WALDORF	7.3
BIGHORN	8.3	ATLANTA	7.0
BOREAL	8.3	BANNER	7.0
BRIDGEPORT (N-105)	8.3	DAWSON	7.0
BRIGADE (MELODY)	8.3	ELANOR	7.0
FERNANDO (HF 112)	8.3	ERG 1143	7.0
FRANKLIN	8.3	MARY	7.0
JASPER	8.3	NAPOLI (LD 3488)	7.0
MX 86	8.3	PUMA	7.0
PST-4AG	8.3	RAINBOW	7.0
PST-4R3	8.3	SCARLET	7.0
RELIANT-NO ENDOPHYTE	8.3	SEABREEZE (FRT-30149)	7.0
REVERE (NK 88001)	8.3	SHADOW W/ENDO. (EST-SHE)	7.0
SHADEMASTER	8.3	SR 3100 (SRX 89-31)	7.0
SUNSET (ZW 42-158)	8.3	SR 5000	7.0
VISTA	8.3	TALUS (LD 3438)	7.0
WARWICK	8.3	WW RS 143	7.0
WW RS 138	8.3	BARCROWN	6.7
ATTILA	8.0	JAMESTOWN	6.7
AURORA	8.0	KOKET	6.7
CLAUDIA	8.0	MOLINDA	6.7
DIGNITY (OFI 89-200)	8.0	SOUTHPORT	6.7
DISCOVERY (PST-4HD)	8.0	BARNICA	6.3
EUREKA	8.0	HF 138	6.3
FLYER	8.0	SMIRNA (ZW 42-160)	6.3
PST-4NI	8.0	BARREPPPO	6.0
SCALDIS	8.0	BARSKOL (BAR FR 9P)	6.0
SILVANA	8.0	CAPITOL	6.0
SR 3000	8.0	JAMESTOWN II	6.0
TIFFANY (PST-4CD)	8.0	SIMONE (LD 3485)	6.0
89.LKR	7.7	BARGREEN	5.7
AURORA W/ENDO. (PST-AUE)	7.7	EPSOM	5.7
BARGENA II (BAR FR8RC3)	7.7	MARKER	5.7
COLLO (LD 3414)	7.7	VALDA	5.7
COMFORT (HF 102)	7.7	WILMA	5.7
PST-4FE	7.7	DOVER (NK 82492)	5.3
RELIANT-W/ ENDOPHYTE	7.7	ENJOY	5.3
SALEM	7.7	RAYMOND	5.3
SYLVIA (WW RS 130)	7.7		
TROPHY (ESTORIL)	7.7	LSD VALUE	1.4

1/ SUMMER PATCH RATED IN 1990 ONLY.

2/ 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 22B. SUMMER PATCH RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
 1990-1993 DATA
 SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1
PST-43F	9.0
PST-4C8	9.0
BELVEDERE	8.7
CINDY	8.7
ENSYLVA	8.7
BOREAL	8.3
FRANKLIN	8.3
JASPER	8.3
PST-4R3	8.3
REVERE (NK 88001)	8.3
SHADEMASTER	8.3
SUNSET (ZW 42-158)	8.3
VISTA	8.3
WW RS 138	8.3
CLAUDIA	8.0
FLYER	8.0
PST-4NI	8.0
BARGENA II (BAR FR8RC3)	7.7
COLLO (LD 3414)	7.7
SALEM	7.7
SYLVIA (WW RS 130)	7.7
BARGENA	7.3
HERALD	7.3
ELANOR	7.0
TALUS (LD 3438)	7.0
WW RS 143	7.0
LSD VALUE	1.1

TABLE 22C. SUMMER PATCH RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
 1990-1993 DATA
 SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1
COMFORT (HF 102)	7.7
DAWSON	7.0
NAPOLI (LD 3488)	7.0
SEABREEZE (FRT-30149)	7.0
BARCROWN	6.7
HF 138	6.3
SMIRNA (ZW 42-160)	6.3
BARSKOL (BAR FR 9P)	6.0
MARKER	5.7
LSD VALUE	1.4

1/ SUMMER PATCH RATED IN 1990 ONLY.

2/ 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 22D. SUMMER PATCH RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	NJ1
LONGFELLOW	9.0
BARLANDER (BAR FR 9F)	8.3
BRIDGEPORT (N-105)	8.3
FERNANDO (HF 112)	8.3
DIGNITY (OFI 89-200)	8.0
TIFFANY (PST-4CD)	8.0
89.LKR	7.7
PST-4FE	7.7
TROPHY (ESTORIL)	7.7
CAMARO	7.3
PROFORMER (JMB-89)	7.3
SHADOW	7.3
WALDORF	7.3
ATLANTA	7.0
BANNER	7.0
ERG 1143	7.0
MARY	7.0
FUMA	7.0
RAINBOW	7.0
SCARLET	7.0
SHADOW W/ENDO. (PST-SHE)	7.0
SR 5000	7.0
JAMESTOWN	6.7
KOKET	6.7
MOLINDA	6.7
SOUTHPORT	6.7
BARNICA	6.3
CAPITOL	6.0
JAMESTOWN II	6.0
SIMONE (LD 3485)	6.0
BARGREEN	5.7
EPSOM	5.7
WILMA	5.7
DOVER (NK 82492)	5.3
ENJOY	5.3
RAYMOND	5.3
LSD VALUE	1.6

1/ SUMMER PATCH RATED IN 1990 ONLY.

2/ 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 22E. SUMMER PATCH RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	NJ1
BARDUR (BAR FO 9A2)	8.3
BRIGADE (MELODY)	8.3
PST-4AG	8.3
RELIANT-NO ENDOPHYTE	8.3
WARWICK	8.3
ATTILA	8.0
AURORA	8.0
DISCOVERY (PST-4HD)	8.0
EUREKA	8.0
SCALDIS	8.0
SILVANA	8.0
SR 3000	8.0
AURORA W/ENDO. (PST-AUE)	7.7
RELIANT-W/ ENDOPHYTE	7.7
BILJART	7.3
SERRA	7.3
SR 3100 (SRX 89-31)	7.0
BARREPPPO	6.0
VALDA	5.7
LSD VALUE	1.5

TABLE 22F. SUMMER PATCH RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	NJ1
BIGHORN	8.3
MX 86	8.3
LSD VALUE	1.5

1/ SUMMER PATCH RATED IN 1990 ONLY.

2/ 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 23A. ANTHRACNOSE RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 1990-1993 DATA
 ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

NAME	OR9	NAME	OR9
BARREPPPO	6.7	CINDY	5.0
BRIDGEPORT (N-105)	6.7	COMFORT (HF 102)	5.0
LONGFELLOW	6.3	DAWSON	5.0
BARLANDER (BAR FR 9F)	6.0	ELANOR	5.0
BARNICA	6.0	ENJOY	5.0
PST-4FE	6.0	FLYER	5.0
RAYMOND	6.0	HF 138	5.0
SHADEMASTER	6.0	JAMESTOWN II	5.0
SOUTHPORT	6.0	JASPER	5.0
TIFFANY (PST-4CD)	6.0	MARKEE	5.0
VALDA	6.0	MX 86	5.0
WW RS 138	6.0	NAPOLI (LD 3488)	5.0
BARGREEN	5.7	PST-43F	5.0
CAMARO	5.7	PST-4AG	5.0
CLAUDIA	5.7	SALEM	5.0
DIGNITY (OFI 89-200)	5.7	SIMONE (LD 3485)	5.0
ENSYLVA	5.7	SMIRNA (ZW 42-160)	5.0
KOKET	5.7	SR 5000	5.0
MOLINDA	5.7	AURORA	4.7
SEABREEZE (FRT-30149)	5.7	BARCROWN	4.7
SHADOW W/ENDO. (PST-SHE)	5.7	BIGHORN	4.7
VISTA	5.7	BILJART	4.7
WW RS 143	5.7	BOREAL	4.7
BANNER	5.3	CAPITOL	4.7
BARDUR (BAR FO 9A2)	5.3	COLLO (LD 3414)	4.7
BARGENA II (BAR FR8RC3)	5.3	EUREKA	4.7
BRIGADE (MELODY)	5.3	HERALD	4.7
DISCOVERY (PST-4HD)	5.3	PST-4NI	4.7
ERG 1143	5.3	RAINBOW	4.7
FERNANDO (HF 112)	5.3	SERRA	4.7
JAMESTOWN	5.3	SILVANA	4.7
MARY	5.3	SYLVESTER	4.7
PROFORMER (JMB-89)	5.3	SYLVIA (WW RS 130)	4.7
PST-4C8	5.3	TALUS (LD 3438)	4.7
PST-4R3	5.3	BELVEDERE	4.3
PUMA	5.3	RELIANT-NO ENDOPHYTE	4.3
SCARLET	5.3	RELIANT-W/ ENDOPHYTE	4.3
SHADOW	5.3	SR 3000	4.3
SUNSET (ZW 42-158)	5.3	SR 3100 (SRX 89-31)	4.3
TROPHY (ESTORIL)	5.3	DOVER (NK 82492)	4.0
WALDORF	5.3	EPSOM	4.0
WILMA	5.3	FRANKLIN	4.0
89.LKR	5.0	SCALDIS	4.0
ATTILA	5.0	ATLANTA	3.7
AURORA W/ENDO. (PST-AUE)	5.0	REVERE (NK 88001)	3.7
BARGENA	5.0		
BARLOTTE	5.0	LSD VALUE	1.5
BARSKOL (BAR FR 9P)	5.0		

1/ ANTHRACNOSE RATED IN 1990 ONLY.

2/ 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 23B. ANTHRACNOSE RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA
ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

NAME	OR9
SHADEMASTER	6.0
WW RS 138	6.0
CLAUDIA	5.7
ENSYLVA	5.7
VISTA	5.7
WW RS 143	5.7
BARGENA II (BAR FR8RC3)	5.3
PST-4C8	5.3
PST-4R3	5.3
SUNSET (ZW 42-158)	5.3
BARGENA	5.0
CINDY	5.0
ELANOR	5.0
FLYER	5.0
JASPER	5.0
PST-43F	5.0
SALEM	5.0
BOREAL	4.7
COLLO (LD 3414)	4.7
HERALD	4.7
PST-4NI	4.7
SYLVESTER	4.7
SYLVIA (WW RS 130)	4.7
TALUS (LD 3438)	4.7
HELVEDERE	4.3
FRANKLIN	4.0
FEVERE (NK 88001)	3.7
LSD VALUE	1.8

TABLE 23C. ANTHRACNOSE RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA
ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

NAME	OR9
SEABREEZE (FRT-30149)	5.7
BARLOTTE	5.0
BARSKOL (BAR FR 9P)	5.0
COMFORT (HF 102)	5.0
DAWSON	5.0
HF 138	5.0
MARKER	5.0
NAPOLI (LD 3488)	5.0
SMIRNA (ZW 42-160)	5.0
BARCROWN	4.7
LSD VALUE	1.6

1/ ANTHRACNOSE RATED IN 1990 ONLY.

2/ 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 23D. ANTHRACNOSE RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

NAME	OR9
BRIDGEPORT (N-105)	6.7
LONGFELLOW	6.3
BARLANDER (BAR FR 9F)	6.0
BARNICA	6.0
PST-4FE	6.0
RAYMOND	6.0
SOUTHPORT	6.0
TIFFANY (PST-4CD)	6.0
BARGREEN	5.7
CAMARO	5.7
DIGNITY (OFI 89-200)	5.7
KOKET	5.7
MOLINDA	5.7
SHADOW W/ENDO. (PST-SHE)	5.7
BANNER	5.3
ERG 1143	5.3
FERNANDO (HF 112)	5.3
JAMESTOWN	5.3
MARY	5.3
PROFORMER (JMB-89)	5.3
HUMA	5.3
SCARLET	5.3
SHADOW	5.3
TROPHY (ESTORIL)	5.3
WALDORF	5.3
WILMA	5.3
89.LKR	5.0
ENJOY	5.0
JAMESTOWN II	5.0
SIMONE (LD 3485)	5.0
SR 5000	5.0
CAPITOL	4.7
RAINBOW	4.7
DOVER (NK 82492)	4.0
EPSOM	4.0
ATLANTA	3.7
LSD VALUE	1.4

1/ ANTHRACNOSE RATED IN 1990 ONLY.

2/ 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 23E. ANTHRACNOSE RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

NAME	OR9
BARREPPPO	6.7
VALDA	6.0
BARDUR (BAR FO 9A2)	5.3
BRIGADE (MELODY)	5.3
DISCOVERY (PST-4HD)	5.3
ATTILA	5.0
AURORA W/ENDO. (PST-AUE)	5.0
PST-4AG	5.0
AURORA	4.7
BILJART	4.7
EUREKA	4.7
SERRA	4.7
SILVANA	4.7
RELIANT-NO ENDOPHYTE	4.3
RELIANT-W/ ENDOPHYTE	4.3
SR 3000	4.3
SR 3100 (SRX 89-31)	4.3
SCALDIS	4.0
LSD VALUE	1.3

TABLE 23F. ANTHRACNOSE RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

NAME	OR9
MX 86	5.0
BIGHORN	4.7
LSD VALUE	0.7

1/ ANTHRACNOSE RATED IN 1990 ONLY.

2/ 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 24A. PINK PATCH RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
PINK PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	OH2	NAME	OH2
BARCROWN	8.0	WW RS 143	6.7
SILVANA	8.0	ATLANTA	6.3
SR 3100 (SRX 89-31)	8.0	BANNER	6.3
BARGREEN	7.7	BARNICA	6.3
WALDORF	7.7	BELVEDERE	6.3
BARLANDER (BAR FR 9F)	7.3	CAPITOL	6.3
BARSKOL (BAR FR 9P)	7.3	COLLO (LD 3414)	6.3
BIGHORN	7.3	DAWSON	6.3
BRIDGEPORT (N-105)	7.3	HERALD	6.3
BRIGADE (MELODY)	7.3	JAMESTOWN	6.3
CAMARO	7.3	JASPER	6.3
DIGNITY (OFI 89-200)	7.3	KOKET	6.3
EPSOM	7.3	PUMA	6.3
LONGFELLOW	7.3	RAINBOW	6.3
MARKER	7.3	RAYMOND	6.3
PROFORMER (JMB-89)	7.3	RELIANT-W/ ENDOPHYTE	6.3
SCALDIS	7.3	SEABREEZE (FRT-30149)	6.3
SERRA	7.3	SHADEMASTER	6.3
SHADOW W/ENDO. (PST-SHE)	7.3	SHADOW	6.3
TIFFANY (PST-4CD)	7.3	SR 3000	6.3
TROPHY (ESTORIL)	7.3	SR 5000	6.3
ATTILA	7.0	SYLVIA (WW RS 130)	6.3
BARREPP0	7.0	VALDA	6.3
COMFORT (HF 102)	7.0	WILMA	6.3
DISCOVERY (PST-4HD)	7.0	CINDY	6.0
JAMESTOWN II	7.0	ENJOY	6.0
NAPOLI (LD 3488)	7.0	FRANKLIN	6.0
PST-4AG	7.0	HF 138	6.0
PST-4FE	7.0	PST-43F	6.0
SOUTHPORT	7.0	PST-4C8	6.0
AURORA	6.7	PST-4R3	6.0
AURORA W/ENDO. (PST-AUE)	6.7	REVERE (NK 88001)	6.0
BARDUR (BAR FO 9A2)	6.7	SYLVESTER	6.0
BILJART	6.7	BARGENA II (BAR FR&RC3)	5.7
DOVER (NK 82492)	6.7	BOREAL	5.7
ERG 1143	6.7	CLAUDIA	5.7
EUREKA	6.7	ELANOR	5.7
FERNANDO (HF 112)	6.7	ENSYLVA	5.7
FLYER	6.7	SALEM	5.7
MARY	6.7	SUNSET (ZW 42-158)	5.7
MOLINDA	6.7	VISTA	5.7
MX 86	6.7	WW RS 138	5.7
PST-4NI	6.7	BARGENA	5.3
RELIANT-NO ENDOPHYTE	6.7	BARLOTTE	5.3
SCARLET	6.7	TALUS (LD 3438)	5.3
SIMONE (LD 3485)	6.7		
SMIRNA (ZW 42-160)	6.7	LSD VALUE	1.3

1/ PINK PATCH RATED IN 1990 ONLY.

2/ 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 24B. PINK PATCH RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
 1990-1993 DATA
 PINK PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	OH2
FLYER	6.7
EST-4NI	6.7
WW RS 143	6.7
BELVEDERE	6.3
COLLO (LD 3414)	6.3
HERALD	6.3
JASPER	6.3
SHADEMASTER	6.3
SYLVIA (WW RS 130)	6.3
CINDY	6.0
FRANKLIN	6.0
EST-43F	6.0
EST-4C8	6.0
EST-4R3	6.0
REVERE (NK 88001)	6.0
SYLVESTER	6.0
BARGENA II (BAR FR8RC3)	5.7
BOREAL	5.7
CLAUDIA	5.7
ELANOR	5.7
ENSYLVA	5.7
SALEM	5.7
SUNSET (ZW 42-158)	5.7
VISTA	5.7
WW RS 138	5.7
BARGENA	5.3
TALUS (LD 3438)	5.3
LSD VALUE	1.1

TABLE 24C. PINK PATCH RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
 1990-1993 DATA
 PINK PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	OH2
BARCROWN	8.0
BARSKOL (BAR FR 9P)	7.3
MARKER	7.3
COMFORT (HF 102)	7.0
NAPOLI (LD 3488)	7.0
SMIRNA (ZW 42-160)	6.7
DAWSON	6.3
SEABREEZE (FRT-30149)	6.3
HF 138	6.0
BARLOTTE	5.3
LSD VALUE	1.1

1/ PINK PATCH RATED IN 1990 ONLY.

2/ 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 24D. PINK PATCH RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	OH2
BARGREEN	7.7
WALDORF	7.7
BARLANDER (BAR FR 9F)	7.3
BRIDGEPORT (N-105)	7.3
CAMARO	7.3
DIGNITY (OFI 89-200)	7.3
EPSOM	7.3
LONGFELLOW	7.3
PROFORMER (JMB-89)	7.3
SHADOW W/ENDO. (PST-SHE)	7.3
TIFFANY (PST-4CD)	7.3
TROPHY (ESTORIL)	7.3
JAMESTOWN II	7.0
EST-4FE	7.0
SOUTHPORT	7.0
DOVER (NK 82492)	6.7
ERG 1143	6.7
FERNANDO (HF 112)	6.7
MARY	6.7
MOLINDA	6.7
SCARLET	6.7
SIMONE (LD 3485)	6.7
ATLANTA	6.3
BANNER	6.3
BARNICA	6.3
CAPITOL	6.3
JAMESTOWN	6.3
KOKET	6.3
FUMA	6.3
RAINBOW	6.3
RAYMOND	6.3
SHADOW	6.3
SR 5000	6.3
WILMA	6.3
ENJOY	6.0
LSD VALUE	1.5

1/ PINK PATCH RATED IN 1990 ONLY.

2/ 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 24E. PINK PATCH RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	OH2
SILVANA	8.0
SR 3100 (SRX 89-31)	8.0
BRIGADE (MELODY)	7.3
SCALDIS	7.3
SERRA	7.3
ATTILA	7.0
BARREPO	7.0
DISCOVERY (PST-4HD)	7.0
EST-4AG	7.0
AURORA	6.7
AURORA W/ENDO. (PST-AUE)	6.7
BARDUR (BAR FO 9A2)	6.7
BILJART	6.7
EUREKA	6.7
RELIANT-NO ENDOPHYTE	6.7
RELIANT-W/ ENDOPHYTE	6.3
SR 3000	6.3
VALDA	6.3
LSD VALUE	1.3

TABLE 24F. PINK PATCH RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

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

NAME	OH2
BIGHORN	7.3
MX 86	6.7
LSD VALUE	0.9

1/ PINK PATCH RATED IN 1990 ONLY.

2/ 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 25A. CANOPY HEIGHT MEASUREMENTS OF FINELEAF FESCUE CULTIVARS 1/
 1990-1993 DATA
 CANOPY HEIGHT MEASURED IN INCHES 2/

NAME	PA2	NAME	PA2
PST-4R3	8.8	AURORA	7.0
SALEM	8.8	BARNICA	7.0
SYLVIA (WW RS 130)	8.8	CAMARO	7.0
SUNSET (ZW 42-158)	8.7	CAPITOL	7.0
SYLVESTER	8.7	PST-4FE	7.0
ELANOR	8.3	SERRA	7.0
FLYER	8.3	SR 3000	7.0
FRANKLIN	8.3	AURORA W/ENDO. (EST-AUE)	6.8
JASPER	8.3	DOVER (NK 82492)	6.8
VISTA	8.3	ENSYLVA	6.8
BARGENA	8.2	FERNANDO (HF 112)	6.8
BELVEDERE	8.2	HF 138	6.8
BOREAL	8.2	SCARLET	6.8
CINDY	8.2	SHADOW W/ENDO. (EST-SHE)	6.8
PST-43F	8.2	SILVANA	6.8
WW RS 143	8.2	TROPHY (ESTORIL)	6.8
BARGENA II (BAR FR8RC3)	8.0	VALDA	6.8
CLAUDIA	8.0	ATLANTA	6.7
HERALD	8.0	BARDUR (BAR FO 9A2)	6.7
WW RS 138	8.0	COMFORT (HF 102)	6.7
KOKET	7.8	ENJOY	6.7
PST-4C8	7.8	MARY	6.7
PST-4NI	7.8	PUMA	6.7
89.LKR	7.7	RAYMOND	6.7
BARSKOL (BAR FR 9P)	7.7	WALDORF	6.7
DAWSON	7.7	BILJART	6.5
JAMESTOWN	7.7	COLLO (LD 3414)	6.5
JAMESTOWN II	7.7	DIGNITY (OFI 89-200)	6.5
MOLINDA	7.5	MX 86	6.5
NAPOLI (LD 3488)	7.5	SCALDIS	6.5
PROFORMER (JMB-89)	7.5	BARGREEN	6.3
SHADEMASTER	7.5	BARLANDER (BAR FR 9F)	6.3
SOUTHPORT	7.5	BARREPPPO	6.3
TALUS (LD 3438)	7.5	BIGHORN	6.3
TIFFANY (PST-4CD)	7.5	DISCOVERY (PST-4HD)	6.2
WILMA	7.5	RAINBOW	6.2
BANNER	7.3	SIMONE (LD 3485)	6.2
LONGFELLOW	7.3	ERG 1143	6.0
PST-4AG	7.3	EUREKA	6.0
RELIANT-W/ ENDOPHYTE	7.3	SR 3100 (SRX 89-31)	6.0
SEABREEZE (FRT-30149)	7.3	ATTILA	5.8
SHADOW	7.3	MARKER	5.8
BARCROWN	7.2		
BARLOTTE	7.2	LSD VALUE	1.3
BRIDGEPORT (N-105)	7.2		
BRIGADE (MELODY)	7.2		
RELIANT-NO ENDOPHYTE	7.2		
SR 5000	7.2		

1/ CANOPY HEIGHT MEASURED IN 1991 & 1992.

2/ 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 25B. CANOPY HEIGHT MEASUREMENTS OF CREEPING RED FESCUE CULTIVARS 1/
1990-1993 DATA

CANOPY HEIGHT MEASURED IN INCHES 2/

NAME	PA2
PST-4R3	8.8
SALEM	8.8
SYLVIA (WW RS 130)	8.8
SUNSET (ZW 42-158)	8.7
SYLVESTER	8.7
ELANOR	8.3
FLYER	8.3
FRANKLIN	8.3
JASPER	8.3
VISTA	8.3
BARGENA	8.2
BELVEDERE	8.2
BOREAL	8.2
CINDY	8.2
PST-43F	8.2
WW RS 143	8.2
BARGENA II (BAR FR8RC3)	8.0
CLAUDIA	8.0
HERALD	8.0
WW RS 138	8.0
PST-4C8	7.8
PST-4NI	7.8
SHADEMASTER	7.5
TALUS (LD 3438)	7.5
ENSYLVA	6.8
COLLO (LD 3414)	6.5
LSD VALUE	1.2

TABLE 25C. CANOPY HEIGHT MEASUREMENTS OF SLENDER CREEPING FESCUE CULTIVARS 1/
1990-1993 DATA

CANOPY HEIGHT MEASURED IN INCHES 2/

NAME	PA2
BARSKOL (BAR FR 9F)	7.7
DAWSON	7.7
NAPOLI (LD 3488)	7.5
SEABREEZE (FRT-30149)	7.3
BARCROWN	7.2
BARLOTTE	7.2
HF 138	6.8
COMFORT (HF 102)	6.7
MARKER	5.8
LSD VALUE	1.3

1/ CANOPY HEIGHT MEASURED IN 1991 & 1992.

2/ 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 25D. CANOPY HEIGHT MEASUREMENTS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

CANOPY HEIGHT MEASURED IN INCHES 2/

NAME	PA2
KOKET	7.8
89.LKR	7.7
JAMESTOWN	7.7
JAMESTOWN II	7.7
MOLINDA	7.5
PROFORMER (JMB-89)	7.5
SOUTHPORT	7.5
TIFFANY (PST-4CD)	7.5
WILMA	7.5
BANNER	7.3
LONGFELLOW	7.3
SHADOW	7.3
BRIDGEPORT (N-105)	7.2
SR 5000	7.2
BARNICA	7.0
CAMARO	7.0
CAPITOL	7.0
EST-4FE	7.0
DOVER (NK 82492)	6.8
FERNANDO (HF 112)	6.8
SCARLET	6.8
SHADOW W/ENDO. (PST-SHE)	6.8
TROPHY (ESTORIL)	6.8
ATLANTA	6.7
ENJOY	6.7
MARY	6.7
FUMA	6.7
RAYMOND	6.7
WALDORF	6.7
DIGNITY (OFI 89-200)	6.5
BARGREEN	6.3
EARLANDER (BAR FR 9F)	6.3
RAINBOW	6.2
SIMONE (LD 3485)	6.2
ERG 1143	6.0
LSD VALUE	1.3

1/ CANOPY HEIGHT MEASURED IN 1991 & 1992.

2/ 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 25E. CANOPY HEIGHT MEASUREMENTS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

CANOPY HEIGHT MEASURED IN INCHES 2/

NAME	PA2
PST-4AG	7.3
RELIANT-W/ ENDOPHYTE	7.3
BRIGADE (MELODY)	7.2
RELIANT-NO ENDOPHYTE	7.2
AURORA	7.0
SERRA	7.0
SR 3000	7.0
AURORA W/ENDO. (PST-AUE)	6.8
SILVANA	6.8
VALDA	6.8
BARDUR (BAR FO 9A2)	6.7
BILJART	6.5
SCALDIS	6.5
BARREPO	6.3
DISCOVERY (PST-4HD)	6.2
EUREKA	6.0
SR 3100 (SRX 89-31)	6.0
ATTILA	5.8
LSD VALUE	1.1

TABLE 25F. CANOPY HEIGHT MEASUREMENTS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

CANOPY HEIGHT MEASURED IN INCHES 2/

NAME	PA2
MX 86	6.5
BIGHORN	6.3
LSD VALUE	1.2

1/ CANOPY HEIGHT MEASURED IN 1991 & 1992.

2/ 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 26A. MOWING RATINGS OF FINELEAF FESCUE CULTIVARS 1/
1990-1993 DATA
MOWING RATINGS 1-9; 9=BEST 2/

NAME	PA1	NAME	PA1
BARCROWN	7.7	SERRA	6.0
DAWSON	7.3	SR 3000	6.0
FERNANDO (HF 112)	7.3	TALUS (LD 3438)	6.0
ATTILA	7.0	TROPHY (ESTORIL)	6.0
BARLOTTE	7.0	WALDORF	6.0
CAMARO	7.0	WW RS 138	6.0
CINDY	7.0	WW RS 143	6.0
COMFORT (HF 102)	7.0	AURORA	5.7
ELANOR	7.0	BARNICA	5.7
MARKER	7.0	ENSYLVA	5.7
BARSKOL (BAR FR 9P)	6.7	EPSOM	5.7
FRANKLIN	6.7	ERG 1143	5.7
RAINBOW	6.7	LONGFELLOW	5.7
RAYMOND	6.7	MARY	5.7
SALEM	6.7	PUMA	5.7
SEABREEZE (FRT-30149)	6.7	SIMONE (LD 3485)	5.7
SMIRNA (ZW 42-160)	6.7	SOUTHPORT	5.7
SYLVIA (WW RS 130)	6.7	WILMA	5.7
VISTA	6.7	CLAUDIA	5.3
AURORA W/ENDO. (PST-AUE)	6.3	DISCOVERY (PST-4HD)	5.3
BARDUR (BAR FO 9A2)	6.3	EUREKA	5.3
BARREFFO	6.3	KOKET	5.3
BILJART	6.3	PST-4FE	5.3
COLLO (LD 3414)	6.3	SR 5000	5.3
DOVER (NK 82492)	6.3	SUNSET (ZW 42-158)	5.3
FLYER	6.3	ATLANTA	5.0
HERALD	6.3	BARGENA	5.0
HF 138	6.3	BELVEDERE	5.0
JASPER	6.3	BOREAL	5.0
MOLINDA	6.3	BRIGADE (MELODY)	5.0
NAPOLI (LD 3488)	6.3	CAPITOL	5.0
PST-43F	6.3	MX 86	5.0
REVERE (NK 88001)	6.3	PST-4AG	5.0
SHADEMASTER	6.3	RELIANT-W/ ENDOPHYTE	5.0
SYLVESTER	6.3	SHADOW W/ENDO. (EST-SHE)	5.0
89.LKR	6.0	VALDA	5.0
BARGENA II (BAR FR8RC3)	6.0	BANNER	4.7
BARGREEN	6.0	SILVANA	4.7
BARLANDER (BAR FR 9F)	6.0	SR 3100 (SRX 89-31)	4.7
DIGNITY (OFI 89-200)	6.0	TIFFANY (PST-4CD)	4.7
ENJOY	6.0	BIGHORN	4.3
JAMESTOWN	6.0	BRIDGEPORT (N-105)	4.3
JAMESTOWN II	6.0	RELIANT-NO ENDOPHYTE	4.3
PROFORMER (JMB-89)	6.0	SCALDIS	4.3
PST-4C8	6.0	SHADOW	4.3
PST-4NI	6.0		
PST-4R3	6.0	LSD VALUE	1.1
SCARLET	6.0		

1/ MOWING RATED IN 1991 ONLY.

2/ 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 26B. MOWING RATINGS OF CREEPING RED FESCUE CULTIVARS 1/
 1990-1993 DATA
 MOWING RATINGS 1-9; 9=BEST 2/

NAME	PA1
CINDY	7.0
ELANOR	7.0
FRANKLIN	6.7
SALEM	6.7
SYLVIA (WW RS 130)	6.7
VISTA	6.7
COLLO (LD 3414)	6.3
FLYER	6.3
HERALD	6.3
JASPER	6.3
EST-43F	6.3
REVERE (NK 88001)	6.3
SHADEMASTER	6.3
SYLVESTER	6.3
BARGENA II (BAR FR8RC3)	6.0
EST-4C8	6.0
EST-4NI	6.0
EST-4R3	6.0
TALUS (LD 3438)	6.0
WW RS 138	6.0
WW RS 143	6.0
ENSYLVA	5.7
CLAUDIA	5.3
SUNSET (ZW 42-158)	5.3
BARGENA	5.0
BELVEDERE	5.0
BOREAL	5.0
LSD VALUE	1.2

TABLE 26C. MOWING RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
 1990-1993 DATA
 MOWING RATINGS 1-9; 9=BEST 2/

NAME	PA1
BARCROWN	7.7
DAWSON	7.3
BARLOTTE	7.0
COMFORT (HF 102)	7.0
MARKER	7.0
BARSKOL (BAR FR 9P)	6.7
SEABREEZE (FRT-30149)	6.7
SMIRNA (ZW 42-160)	6.7
HF 138	6.3
NAPOLI (LD 3488)	6.3
LSD VALUE	1.1

1/ MOWING RATED IN 1991 ONLY.

2/ 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 26D. MOWING RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
1990-1993 DATA

MOWING RATINGS 1-9; 9=BEST 2/

NAME	PA1
FERNANDO (HF 112)	7.3
CAMARO	7.0
RAINBOW	6.7
RAYMOND	6.7
DOVER (NK 82492)	6.3
MOLINDA	6.3
89.LKR	6.0
BARGREEN	6.0
EARLANDER (BAR FR 9F)	6.0
DIGNITY (OFI 89-200)	6.0
ENJOY	6.0
JAMESTOWN	6.0
JAMESTOWN II	6.0
PROFORMER (JMB-89)	6.0
SCARLET	6.0
TROPHY (ESTORIL)	6.0
WALDORF	6.0
EARNICA	5.7
EPSOM	5.7
ERG 1143	5.7
LONGFELLOW	5.7
MARY	5.7
FUMA	5.7
SIMONE (LD 3485)	5.7
SOUTHPORT	5.7
WILMA	5.7
KOKET	5.3
EST-4FE	5.3
SR 5000	5.3
ATLANTA	5.0
CAPITOL	5.0
SHADOW W/ENDO. (PST-SHE)	5.0
BANNER	4.7
TIFFANY (PST-4CD)	4.7
BRIDGEPORT (N-105)	4.3
SHADOW	4.3
LSD VALUE	1.1

1/ MOWING RATED IN 1991 ONLY.

2/ 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 26E. MOWING RATINGS OF HARD FESCUE CULTIVARS 1/
1990-1993 DATA

MOWING RATINGS 1-9; 9=BEST 2/

NAME	PA1
ATILIA	7.0
AURORA W/ENDO. (PST-AUE)	6.3
BARDUR (BAR FO 9A2)	6.3
BARREPPPO	6.3
BILJART	6.3
SERRA	6.0
SR 3000	6.0
AURORA	5.7
DISCOVERY (PST-4HD)	5.3
EUREKA	5.3
BRIGADE (MELODY)	5.0
PST-4AG	5.0
RELIANT-W/ ENDOPHYTE	5.0
VALDA	5.0
SILVANA	4.7
SR 3100 (SRX 89-31)	4.7
RELIANT-NO ENDOPHYTE	4.3
SCALDIS	4.3
LSD VALUE	1.0

TABLE 26F. MOWING RATINGS OF SHEEP FESCUE CULTIVARS 1/
1990-1993 DATA

MOWING RATINGS 1-9; 9=BEST 2/

NAME	PA1
MX 86	5.0
BIGHORN	4.3
LSD VALUE	1.3

1/ MOWING RATED IN 1991 ONLY.

2/ 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).