

## 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 Maryland Turfgrass Council. 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, a national coordinator, and a technical coordinator. The program will 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. The national coordinator is responsible for the overall coordination and operation of the NTEP, including (1) soliciting entries and distribution of test seed sets to evaluators, (2) data summarization and distribution, and, (3) management of test materials, facilities, and finances.

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LOCATIONS SUBMITTING DATA FOR 1984-87

State	Location	Code
California	San Jose	CA1
District of Columbia	East Potomac Park	DC1
Georgia	Experiment	GA1
Idaho	Moscow	ID1
Illinois	Urbana	IL1
Kansas	Wichita (full sun)	KS2
Kansas	Wichita (partial shade)	KS3
Kentucky	Lexington	KY1
Maryland	Beltsville	UB1
Maryland	Silver Spring	MD1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Nebraska	Lincoln	NE1
New Jersey	Adelphia	NJ1
New York	Ithaca	NY1
New York	Riverhead, Long Island	NY2
North Carolina	Raleigh	NC1
North Carolina	Asheville	NC3
Oklahoma	Stillwater (partial shade)	OK2
Oregon	Hubbard	OR1
Oregon	Corvallis	OR2
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Washington	Puyallup	WA3

NATIONAL FINELEAF FESCUE TEST, 1983

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	Wilma	chewings	E. F. Burlingham & Sons
2	Lovisa	creeping red	E. F. Burlingham & Sons
3	Wintergreen	chewings	Michigan St. University
4	Reliant	hard	Loft's Seed Co.
5	Jamestown	chewings	Loft's Seed Co.
6	BAR Fo 81-225	hard	Loft's Seed Co.
7	Ivalo	chewings	Production Service
8	Pernille	creeping red	Production Service
9	Tamara	chewings	Production Service
10	Tatjana	chewings	Production Service
11	Ensylva	creeping red	International Seeds
12	Highlight	chewings	International Seeds
13	Checker	chewings	International Seeds
14	Longfellow	chewings	International Seeds
15	Koket	chewings	E. F. Burlingham & Sons
16	Banner	chewings	E. F. Burlingham & Sons
17	Spartan	hard	Pickseed West, Inc.
18	CF-2 (Victory)	chewings	Pickseed West, Inc.
19	Estica	creeping red	International Seeds
20	Enjoy	chewings	International Seeds
21	Beauty	chewings	International Seeds
22	ST-2 (SR 3000)	hard	Seed Research of Oregon
23	FRI-Frt 83-1	?	Barenbrug Breeding
24	Biljart	hard	Van der Have - Oregon
25	Mary	chewings	Van der Have - Oregon
26	Aurora	hard	Turf-Seed, Inc.
27	430	creeping red	Pure-Seed Testing
28	Waldina	hard	Turf-Seed, Inc.
29	Flyer	creeping red	Turf-Seed, Inc.
30	Shadow	chewings	Turf-Seed, Inc.
31	4LS (Bighorn)	sheep	Turf-Seed, Inc.
32	Waldorf	chewings	Van der Have - Oregon
33	Pennlawn	creeping red	Joe Duich-Penn St.
34	Boreal	creeping red	Oseco, Inc.
35	Center	chewings	International Seeds
36	Ceres	creeping red	International Seeds
37	Valda	hard	International Seeds
38	Logro	creeping red	Jacklin Seed Co.
39	Ruby	creeping red	Van der Have - Oregon
40	Atlanta	chewings	Van der Have - Oregon
41	Commodore	creeping red	Van der Have - Oregon
42	Robot	creeping red	Van der Have - Oregon
43	Magenta	chewings	Van der Have - Oregon
44	Scaldis	hard	Van der Have - Oregon
45	HF 9-3 (Weekend)	chewings	Van der Have - Oregon
46	Epsom	chewings	Van der Have - Oregon
47	Unknown	-	-

TABLE A.  
 1984-87 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES  
 IN THE 1983 NATIONAL FINELEAF FESCUE TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)
CA1	LOAM	6.6-7.0	-	-
DC1	-	-	-	-
GA1	SANDY CLAY LOAM	6.1-6.5	151-270	241-375
ID1	SILTY CLAY LOAM	5.6-6.0	0-60	376-500
IL1	SILT LOAM AND SILT	-	-	-
KS2	SANDY CLAY LOAM	6.6-7.0	61-150	241-375
KS3	SANDY CLAY LOAM	6.6-7.0	61-150	241-375
KY1	SILT LOAM AND SILT	5.6-6.0	61-150	241-375
MD1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150
MI1	-	-	-	-
MN1	SILTY CLAY LOAM	6.1-6.5	271-450	241-375
NC1	SANDY CLAY LOAM	4.6-5.5	271-450	151-240
NC3	SANDY CLAY LOAM	0.0-3.5	61-150	241-375
NE1	SILTY CLAY AND CLAY	6.6-7.0	0-60	0-150
NJ1	SANDY LOAM	5.6-6.0	61-150	0-150
NY1	SANDY LOAM	5.6-6.0	-	0-150
NY2	SANDY LOAM	-	-	0-150
OK2	SILT LOAM AND SILT	6.1-6.5	151-270	501+
OR1	SILT LOAM AND SILT	4.6-5.5	151-270	241-375
OR2	SILT LOAM AND SILT	5.6-6.0	-	-
UB1	SILT LOAM AND SILT	5.6-6.0	271-450	151-240
VA1	SANDY CLAY LOAM	4.6-5.5	61-150	0-150
WA1	LOAMY SAND	6.6-7.0	0-60	151-240
WA3	SANDY LOAM	5.6-6.0	61-150	151-240

TABLE A. (CONT'D)  
 1984-87 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES  
 IN THE 1983 NATIONAL FINELEAF FESCUE TEST

LOCATION	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
CA1	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
DC1	1.1-2.0	FULL SUN	2.1-2.5	NO IRRIGATION
GA1	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
ID1	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
IL1	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
KS2	2.1-3.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
KS3	2.1-3.0	PARTIAL SHADE	2.6-3.0	ONLY DURING SEVERE STRESS
KY1	2.1-3.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
MD1	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
MI1	-	-	-	-
MN1	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
NC1	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NC3	2.1-3.0	FULL SUN	2.6-3.0	NO IRRIGATION
NE1	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ1	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
NY1	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
NY2	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
OK2	1.1-2.0	PARTIAL SHADE	1.1-1.5	ONLY DURING SEVERE STRESS
OR1	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
OR2	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
UB1	1.1-2.0	FULL SUN	1.1-1.5	NO IRRIGATION
VA1	0.0-1.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
WA1	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
WA3	3.1-4.0	FULL SUN	1.1-1.5	NO IRRIGATION

TABLE B.  
 LOCATIONS AND DATA COLLECTED IN 1984-87

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING
CA1	X	X	X	X	X	X
DC1						X
GA1			X	X	X	
ID1				X	X	X
IL1				X	X	X
KS2				X		X
KS3				X		X
KY1			X	X	X	X
MD1				X	X	X
MI1				X	X	X
MN1						
NC1			X	X		X
NC3						X
NE1				X	X	X
NJ1			X	X	X	X
NY1				X	X	X
NY2					X	X
OK2		X	X	X	X	X
OR1	X	X	X	X	X	X
OR2			X	X	X	X
UB1				X	X	X
VA1			X	X	X	X
WA1				X	X	X
WA3	X	X	X	X	X	X

TABLE B. (CONT'D)  
 LOCATIONS AND DATA COLLECTED IN 1984-87

LOCATION	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING
CA1	X	X	X	X	X	X
DC1	X	X		X	X	X
GA1	X		X		X	
ID1	X	X	X	X	X	
IL1	X	X	X			
KS2	X		X			
KS3	X		X			
KY1	X	X	X	X		
MD1	X	X	X	X		
MI1	X	X	X	X		
MN1				X		
NC1	X		X	X	X	
NC3	X	X		X		
NE1		X	X	X		
NJ1	X	X	X	X	X	X
NY1	X	X	X	X		
NY2	X	X	X	X		
OK2	X		X	X		X
OR1	X	X	X	X	X	X
OR2	X	X	X	X		
UB1	X	X	X	X	X	
VA1	X	X	X	X	X	
WA1	X	X	X	X	X	
WA3	X	X	X	X	X	X

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS  
AT TWENTY-FOUR LOCATIONS IN THE UNITED STATES  
1984-87 DATA

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

NAME	CA1	DC1	GA1	ID1	IL1	KS2	KS3	KY1	MD1	MI1	MN1	NC1	NC3
* ST-2 (SR 3000)	5.2	3.6	5.1	5.5	4.8	5.8	6.2	6.4	4.8	6.1	3.3	6.3	6.4
* AURORA	4.7	3.7	5.1	5.8	5.8	6.1	6.7	6.6	4.7	5.9	2.3	6.6	5.7
* RELIANT	4.6	3.6	5.1	6.2	5.3	6.1	6.2	6.2	4.7	5.7	3.0	6.8	6.4
* SPARTAN	.	3.5	5.3	5.9	5.2	5.6	6.4	6.5	4.6	.	1.7	7.4	6.4
* LONGFELLOW	4.9	4.2	5.6	6.1	7.0	4.9	5.9	6.2	4.3	5.5	3.7	6.8	5.4
* SCALDIS	5.5	3.1	5.0	5.8	4.7	5.9	5.9	6.3	4.9	6.4	2.3	6.8	6.0
* 4LS (BIGHORN)	.	.	4.9	6.1	4.8	6.3	6.9	6.6	4.3	.	2.0	.	5.7
* CF-2 (VICTORY)	5.2	5.4	5.6	6.0	5.7	4.7	6.4	6.1	4.4	5.5	3.3	6.2	5.5
* WALDINA	5.3	3.9	4.9	5.4	4.5	6.0	6.9	6.1	4.7	5.4	3.0	5.9	5.9
* BILJART	4.6	3.3	4.6	5.8	5.5	5.9	6.6	6.4	4.3	6.0	2.7	5.3	6.0
* ENJOY	5.2	4.0	5.2	5.8	6.1	3.8	6.4	4.6	3.4	5.5	5.3	5.4	5.9
* FLYER	4.9	4.2	5.4	5.9	4.9	4.4	6.3	5.8	4.5	5.0	3.0	5.7	4.4
BAR FO 81-225	4.9	2.8	4.8	5.5	4.7	5.9	6.7	5.3	4.0	6.0	2.0	5.9	6.2
VALDA	3.9	3.7	4.6	6.0	4.5	4.8	6.5	4.4	4.2	6.1	2.7	6.0	6.0
BEAUTY	4.7	4.8	5.1	5.9	5.1	3.9	5.5	4.9	3.9	5.5	3.3	5.6	4.7
TAMARA	4.7	4.2	5.1	5.9	5.8	4.2	5.3	5.0	4.0	5.0	3.0	6.1	5.0
* MARY	4.8	4.1	5.3	6.0	5.6	4.4	5.9	4.9	3.7	5.6	3.7	5.1	5.1
HF 9-3 (WEEKEND)	4.4	3.2	5.1	5.9	5.3	3.5	6.4	4.5	3.4	5.8	3.7	4.9	4.9
* BANNER	4.8	4.4	5.3	5.6	5.2	3.9	5.8	5.2	4.1	5.6	3.0	5.3	4.7
* SHADOW	4.9	4.1	5.0	5.8	5.6	3.9	4.7	5.7	3.9	5.5	2.7	5.6	4.8
* 430	5.2	4.7	4.8	5.3	5.1	4.5	5.3	5.7	4.7	4.6	3.0	5.2	4.7
* WALDORF	4.4	3.4	5.3	6.3	5.2	4.2	5.5	4.6	3.9	4.8	3.0	5.7	5.2
* EPSOM	4.5	2.9	5.0	6.1	5.0	3.8	5.6	4.5	3.6	4.8	3.7	5.0	5.7
FRI-FRT 83-1	4.2	4.0	4.3	6.1	5.9	4.1	6.1	5.2	3.9	4.2	3.7	5.0	4.7
* JAMESTOWN	4.6	4.2	5.1	5.8	4.9	3.8	4.3	4.8	3.8	5.3	3.0	5.3	5.2
* ATLANTA	4.6	4.1	5.0	5.5	5.2	3.3	5.7	4.5	3.5	5.0	3.3	5.2	4.3
MAGENTA	4.8	3.3	4.9	5.5	4.9	4.4	5.1	5.1	3.7	5.5	3.0	4.9	4.8
ESTICA	4.5	4.0	4.7	6.0	5.4	3.9	4.9	4.2	4.2	4.3	3.7	4.4	4.1
WILMA	4.7	4.4	5.3	5.5	4.6	3.7	5.0	4.4	3.7	5.0	3.0	4.5	5.4
* PENNLAWN	4.5	3.9	4.6	5.6	4.4	3.9	5.6	3.7	3.8	5.2	3.3	5.0	4.8
PERNILLE	4.9	3.6	4.5	5.6	5.5	3.6	4.9	5.1	4.3	4.2	3.7	6.0	4.0
* CHECKER	4.3	2.7	4.7	5.7	4.4	3.8	5.1	3.8	3.6	4.6	4.3	5.3	4.9
LOVISA	4.8	3.9	4.7	6.1	4.4	3.6	5.6	4.4	4.1	4.3	3.0	5.2	4.4
* KOKET	4.6	3.2	5.0	5.5	5.3	3.7	4.9	4.5	3.7	4.5	3.7	5.0	4.6
* ENSYLVA	4.6	4.1	4.4	5.7	4.6	3.8	4.4	4.5	4.0	4.1	3.3	5.0	4.5
* HIGHLIGHT	4.6	2.6	4.2	5.6	3.8	3.8	4.6	3.2	3.7	4.6	3.3	4.4	5.1
IVALO	4.8	3.7	4.5	5.5	3.8	3.6	4.2	3.1	3.5	4.5	3.3	4.2	5.0
* BOREAL	4.6	3.7	4.6	5.6	4.7	3.2	5.3	4.6	3.8	4.4	2.3	5.4	4.3
TATJANA	4.4	3.3	4.6	5.5	3.9	3.4	4.1	2.8	3.5	4.4	3.3	4.5	4.6
* CENTER	3.8	2.4	4.6	5.5	5.0	3.3	5.6	4.1	3.7	4.9	1.7	5.2	5.5
UNKNOWN	4.3	3.4	4.7	4.7	4.3	3.9	4.1	4.9	4.3	4.5	2.7	5.2	5.0
* RUBY	4.7	3.8	4.1	5.0	4.4	3.5	5.5	3.5	4.1	3.9	3.0	5.1	4.4
ROBOT	4.5	2.8	4.2	5.0	4.3	3.6	5.1	4.1	4.1	3.4	2.7	4.9	4.4
* WINTERGREEN	4.3	3.6	4.5	6.0	3.3	3.4	4.8	3.6	3.3	3.9	3.0	3.5	4.4
COMMODORE	4.4	3.4	4.6	4.7	4.0	3.1	4.9	4.2	4.1	4.2	2.7	5.3	4.4
CERES	4.4	3.6	4.0	6.2	4.5	2.9	5.3	3.4	3.9	4.3	2.3	4.5	3.7
* LOGRO	.	1.7	1.6	5.1	.	2.4	5.6	3.3	2.7	.	3.3	2.7	.
LSL VALUE	0.6	0.9	1.0	0.6	1.0	1.2	0.9	0.7	0.8	0.6	1.0	1.0	0.7

\* COMMERCIALY AVAILABLE VARIETY

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS  
(CONT'D) AT TWENTY-FOUR LOCATIONS IN THE UNITED STATES  
1984-87 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF												
NAME	NE1	NJ1	NY1	NY2	OK2	OR1	OR2	UB1	VA1	WA1	WA3	MEAN
ST-2 (SR 3000)	5.7	6.7	5.7	5.7	6.1	6.0	5.9	4.8	5.4	5.6	4.9	5.5
AURORA	5.5	6.1	5.6	5.8	5.3	6.3	5.6	5.0	5.5	6.3	4.4	5.5
RELIANT	4.6	6.5	5.5	5.2	6.5	6.0	5.6	4.7	5.6	6.1	4.9	5.5
SPARTAN	5.7	6.7	4.9	5.8	5.9	5.9	5.6	4.6	5.4	5.9	4.6	5.4
LONGFELLOW	6.2	6.2	5.4	4.5	5.0	6.3	6.0	4.6	5.0	5.7	4.8	5.4
SCALDIS	6.1	5.9	5.0	5.6	6.6	6.1	5.6	4.7	5.2	6.1	4.3	5.4
4LS (BIGHORN)	5.6	5.8	.	5.7	.	6.3	5.6	4.8	5.3	5.4	4.4	5.4
CF-2 (VICTORY)	5.6	5.3	5.8	5.0	5.6	5.6	5.9	4.3	4.9	5.9	4.9	5.4
WALDINA	5.4	6.0	5.3	5.8	5.2	5.9	5.3	4.5	5.5	5.6	4.2	5.3
BILJART	5.0	5.3	5.4	5.9	5.6	5.6	5.6	4.8	5.5	6.1	4.9	5.3
ENJOY	6.2	4.5	6.2	5.0	4.1	5.3	6.0	3.8	4.7	5.9	5.2	5.2
FLYER	6.0	4.3	5.4	5.2	6.1	5.9	5.4	3.7	4.3	5.6	5.3	5.1
BAR FO 81-225	5.2	6.0	4.3	5.5	5.0	5.6	4.6	4.7	4.9	6.3	4.6	5.1
VALDA	5.4	5.6	4.8	5.8	5.1	6.2	5.6	4.7	5.1	5.9	4.0	5.1
BEAUTY	6.4	4.8	6.2	4.6	5.1	5.5	5.7	4.0	4.8	5.8	5.1	5.0
TAMARA	5.7	4.5	5.5	4.1	4.8	5.7	5.7	4.2	4.8	6.3	5.4	5.0
MARY	5.8	4.4	5.6	4.3	4.4	5.2	5.7	3.8	4.7	5.9	5.1	5.0
HF 9-3 (WEEKEND)	6.0	4.0	6.2	4.1	5.5	5.9	6.1	3.0	4.4	5.5	5.8	4.9
BANNER	6.0	4.5	5.2	4.2	4.6	5.4	5.5	4.0	4.7	5.6	4.9	4.9
SHADOW	5.9	4.0	5.4	4.4	5.3	6.2	5.4	3.8	4.7	5.4	4.9	4.9
430	5.7	4.7	4.5	4.6	4.6	5.6	5.4	4.7	4.3	5.1	5.4	4.9
WALDORF	5.8	4.8	5.0	4.6	4.7	5.8	5.6	4.2	4.8	5.7	4.8	4.9
EPSOM	6.2	4.3	5.1	4.2	5.1	5.9	6.3	4.3	4.8	6.0	4.8	4.9
FRI-FRT 83-1	5.8	3.6	5.1	3.8	5.9	5.0	6.2	3.0	4.1	5.9	6.2	4.8
JAMESTOWN	6.2	4.6	5.6	3.9	5.0	5.8	5.5	4.2	4.7	5.8	4.5	4.8
ATLANTA	6.1	4.4	5.9	3.5	5.8	5.4	5.4	4.0	4.9	5.7	5.1	4.8
MAGENTA	6.3	5.0	5.1	4.3	4.9	5.6	5.2	4.0	4.6	5.3	4.5	4.8
ESTICA	6.0	4.2	5.3	3.4	5.7	5.0	6.2	3.5	4.0	5.7	6.5	4.7
WILMA	5.5	4.6	5.1	3.9	5.3	5.3	5.4	4.1	4.6	5.6	4.4	4.7
PENNLAWN	5.9	4.3	5.8	3.6	5.1	5.3	5.5	3.9	4.7	5.9	4.5	4.7
PERNILLE	5.6	3.7	4.5	3.8	5.6	4.9	5.5	3.7	4.4	5.4	5.4	4.7
CHECKER	5.9	3.9	5.7	3.9	5.8	5.5	5.4	3.6	4.3	5.5	5.3	4.7
LOVISA	5.5	4.2	4.4	3.6	6.4	5.4	5.3	3.6	4.2	5.3	5.0	4.6
KOKET	5.5	3.2	6.0	4.5	5.1	5.1	5.3	3.1	4.7	5.4	4.7	4.6
ENSYLVA	5.2	3.4	4.8	4.1	4.9	5.1	5.5	3.3	4.2	5.7	5.4	4.5
HIGHLIGHT	5.1	3.6	5.9	2.8	5.0	5.5	5.3	3.7	4.4	5.5	5.4	4.4
IVALO	5.1	3.6	5.4	3.7	5.1	5.0	5.3	3.5	4.5	5.5	5.2	4.4
BOREAL	5.1	3.3	4.8	3.7	4.8	4.6	4.8	3.5	4.1	5.2	4.6	4.4
TATJANA	5.5	3.2	5.4	3.1	6.2	5.2	5.5	3.2	4.4	5.9	4.9	4.4
CENTER	5.4	4.3	3.5	4.4	2.9	5.5	4.5	4.6	4.5	5.7	3.8	4.4
UNKNOWN	5.0	3.7	4.1	4.2	5.7	4.4	4.3	3.2	4.2	5.4	4.2	4.4
RUBY	4.9	3.3	4.2	3.7	5.1	4.6	4.4	3.0	3.9	5.4	5.0	4.3
ROBOT	5.5	3.4	4.2	3.8	5.2	4.5	4.3	2.8	3.9	5.7	4.0	4.2
WINTERGREEN	4.9	3.3	5.1	2.7	5.0	4.9	5.3	3.1	4.3	5.0	4.7	4.2
COMMODORE	5.3	2.7	3.9	3.6	4.8	4.3	4.4	2.9	3.8	5.3	4.2	4.1
CERES	5.3	3.0	3.9	3.8	4.0	4.7	5.0	2.9	3.5	5.3	4.3	4.1
LOGRO	4.9	2.7	2.9	1.4	.	4.7	4.3	3.3	3.9	4.4	4.5	3.4
LSD VALUE	0.7	0.7	0.8	1.2	1.8	0.4	0.4	1.1	0.3	0.6	0.7	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 2. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS FOR EACH MONTH GROWN AT FORTY-ONE LOCATIONS IN THE UNITED STATES 1984-87 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
AURORA	4.9	5.2	5.4	5.6	5.6	5.8	5.7	5.5	5.4	5.6	5.9	5.6	5.6
SPARTAN	5.0	4.8	5.3	5.6	5.7	5.8	5.7	5.4	5.3	5.6	5.9	6.4	5.6
ST-2 (SR 3000)	5.1	4.9	5.4	5.8	5.7	5.8	5.6	5.4	5.3	5.7	6.0	5.9	5.6
RELIANT	5.0	5.0	5.5	5.7	5.6	5.8	5.7	5.5	5.4	5.6	6.0	5.8	5.6
SCALDIS	5.4	5.2	5.4	5.7	5.6	5.8	5.5	5.4	5.3	5.5	5.7	5.8	5.5
LONGFELLOW	4.4	4.9	5.6	6.1	6.1	5.9	5.5	5.3	5.2	5.3	5.6	5.2	5.5
4LS (BIGHORN)	4.4	4.5	5.0	5.4	5.7	5.8	5.7	5.5	5.4	5.6	5.8	5.8	5.5
WALDINA	4.6	5.1	5.4	5.7	5.5	5.6	5.4	5.2	5.1	5.3	5.6	5.7	5.4
BILJART	4.5	4.5	5.2	5.6	5.4	5.6	5.5	5.4	5.3	5.3	5.5	5.1	5.4
CF-2 (VICTORY)	4.7	5.1	5.7	5.8	5.5	5.7	5.3	5.2	5.1	5.2	5.7	5.3	5.4
BAR FO 81-225	4.9	4.8	4.9	5.1	5.2	5.3	5.3	5.0	5.0	5.2	5.5	5.7	5.2
ENJOY	4.1	4.6	5.1	5.5	5.6	5.6	5.1	4.8	4.6	4.9	5.2	4.6	5.2
VALDA	4.6	4.5	4.7	5.2	5.2	5.4	5.3	4.9	4.9	5.1	5.6	5.4	5.2
FLYER	5.1	5.5	5.6	5.8	5.3	5.4	5.0	4.6	4.8	4.9	5.3	5.3	5.1
TAMARA	5.4	5.5	5.3	5.6	5.4	5.6	5.0	4.6	4.6	4.9	5.5	5.3	5.1
BEAUTY	4.8	5.0	5.3	5.5	5.3	5.6	4.9	4.7	4.5	5.0	5.6	4.9	5.1
MARY	4.1	4.7	5.2	5.6	5.6	5.4	5.0	4.5	4.5	4.7	5.2	4.7	5.0
WALDORF	4.7	4.9	5.1	5.4	5.5	5.5	4.9	4.4	4.5	4.7	5.6	5.0	5.0
430	5.2	5.6	5.6	5.6	5.2	5.2	4.8	4.8	4.7	4.9	5.7	5.0	5.0
SHADOW	5.1	5.4	5.6	5.7	5.4	5.4	4.8	4.6	4.6	5.0	5.3	5.2	5.0
EPSOM	4.3	4.8	5.0	5.5	5.4	5.6	5.0	4.7	4.4	4.7	5.3	4.5	5.0
BANNER	4.7	5.3	5.4	5.4	5.1	5.3	4.8	4.5	4.5	4.9	5.4	4.9	5.0
HF 9-3 (WEEKEND)	5.6	6.0	5.3	5.5	5.6	5.5	4.7	4.3	4.3	4.8	5.3	5.0	4.9
JAMESTOWN	4.7	5.3	5.4	5.6	5.2	5.3	4.8	4.6	4.3	4.7	5.3	4.9	4.9
FRI-FRT 83-1	5.4	5.4	5.1	5.4	5.3	5.5	4.9	4.5	4.4	4.7	5.1	4.4	4.9
MAGENTA	4.8	5.2	5.1	5.5	5.3	5.3	4.7	4.3	4.3	4.8	5.3	5.0	4.9
ATLANTA	4.8	5.1	5.0	5.4	5.3	5.4	4.7	4.5	4.3	4.8	5.2	5.0	4.8
ESTICA	5.4	5.2	5.0	5.2	5.3	5.5	4.9	4.3	4.2	4.5	5.2	4.8	4.8
WILMA	4.1	4.9	5.1	5.1	4.9	5.2	4.7	4.7	4.3	4.6	5.2	4.4	4.7
PERNILLE	5.1	5.4	5.3	5.4	5.1	5.1	4.6	4.3	4.3	4.6	5.0	4.6	4.7
PENNLAWN	4.4	5.1	4.8	5.2	4.8	5.1	4.7	4.4	4.2	4.5	5.3	4.5	4.7
CHECKER	5.0	5.3	5.1	5.2	5.0	5.1	4.7	4.2	4.1	4.4	5.1	4.6	4.7
LOVISA	4.4	4.9	4.7	5.0	5.3	5.3	4.7	4.1	4.3	4.6	5.2	4.9	4.7
KOKET	4.7	5.0	5.2	5.2	4.9	5.0	4.5	4.2	4.2	4.6	4.9	4.4	4.7
ENSYLVA	4.9	5.4	5.0	4.9	4.7	4.9	4.7	4.4	4.2	4.5	5.0	4.3	4.6
CENTER	4.1	4.1	4.3	4.6	4.5	4.7	4.5	4.3	4.2	4.6	5.0	4.6	4.6
HIGHLIGHT	5.5	5.7	5.1	4.8	4.5	4.9	4.4	4.1	3.9	4.6	5.2	4.6	4.5
BOREAL	4.2	4.7	4.8	5.1	4.8	4.8	4.3	3.9	4.1	4.2	4.8	4.4	4.4
IVALO	5.3	5.5	4.8	4.9	4.4	4.7	4.2	4.0	4.0	4.5	5.2	4.8	4.4
UNKNOWN	4.5	4.5	4.9	4.8	4.2	4.4	4.3	4.1	4.1	4.4	4.9	4.2	4.4
TATJANA	4.9	5.4	4.8	4.8	4.3	4.6	4.2	4.0	3.8	4.5	4.9	4.6	4.3
RUBY	4.4	5.0	4.7	4.6	4.3	4.5	4.4	4.0	4.0	4.1	4.6	4.2	4.3
ROBOT	3.6	4.4	4.3	4.6	4.3	4.5	4.1	3.9	4.0	4.1	4.5	4.0	4.3
COMMODORE	4.4	4.7	4.5	4.6	4.1	4.4	4.1	3.9	3.8	4.0	4.4	4.0	4.2
WINTERGREEN	4.6	5.1	4.8	4.7	4.4	4.7	4.1	3.9	3.6	4.3	4.7	4.2	4.2
CERES	4.3	4.7	4.3	4.4	4.2	4.5	4.4	3.9	3.8	4.0	4.2	4.4	4.2
LOGRO	4.0	4.0	3.5	3.6	4.0	4.2	3.8	3.7	3.5	3.9	3.7	3.4	3.6
LSD VALUE	0.8	0.7	0.4	0.4	0.4	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 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE  
CULTIVARS AT TWENTY-FOUR LOCATIONS IN THE UNITED STATES 1/  
1984-87 DATA

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

NAME	CA1	DC1	GA1	ID1	IL1	KS2	KS3	KY1	MD1	MI1	MN1	NC1
ST-2 (SR 3000)	3.0	25.5	14.5	40.0	26.0	8.0	13.0	5.0	2	2.0	15.5	6.0
AURORA	17.0	23.0	11.0	23.0	4.0	3.0	3.5	2.0	5	6.0	41.5	5.0
RELIANT	26.0	25.5	10.0	2.0	13.0	2.0	12.0	7.0	4	8.0	27.0	4.0
SPARTAN	.	30.0	6.0	18.0	17.0	9.0	8.0	3.0	7	.	46.5	1.0
LONGFELLOW	9.0	8.5	1.0	5.0	1.0	10.0	16.5	8.0	11	12.0	6.5	3.0
SCALDIS	1.0	39.0	17.0	19.0	29.0	7.0	15.0	6.0	1	1.0	41.5	2.0
4LS (BIGHORN)	.	.	23.0	8.0	27.0	1.0	2.0	1.0	10	.	44.5	.
CF-2 (VICTORY)	5.5	1.0	2.0	10.0	6.0	12.0	10.0	9.0	9	16.0	15.5	7.0
WALDINA	2.0	19.0	22.0	41.0	33.0	4.0	1.0	10.0	3	17.0	27.0	12.0
BILJART	28.0	34.0	36.0	22.0	10.0	6.0	5.0	4.0	14	4.0	36.5	21.5
ENJOY	4.0	15.0	9.0	20.0	2.0	27.5	8.0	24.0	44	11.0	1.0	18.0
FLYER	7.0	6.5	3.0	14.0	25.0	14.0	11.0	11.0	8	20.0	27.0	14.0
BAR FO 81-225	11.0	41.5	26.0	33.0	28.0	5.0	3.5	14.0	22	5.0	44.5	11.0
VALDA	43.0	23.0	34.0	9.0	34.0	11.0	6.0	34.0	16	3.0	36.5	9.0
BEAUTY	21.0	2.0	16.0	16.5	19.0	20.0	25.0	22.0	26	14.5	15.5	16.0
TAMARA	18.0	6.5	14.5	15.0	5.0	17.5	30.5	19.0	24	21.5	27.0	8.0
MARY	13.0	12.0	5.0	13.0	7.0	16.0	16.5	21.0	36	9.0	6.5	29.0
HF 9-3 (WEEKEND)	34.0	38.0	12.0	16.5	14.0	38.0	8.0	29.0	45	7.0	6.5	38.0
BANNER	12.0	4.0	4.0	31.0	17.0	22.5	18.0	16.0	19	10.0	27.0	21.5
SHADOW	8.0	10.0	18.0	24.0	8.0	22.5	41.0	12.5	28	14.5	36.5	15.0
430	5.5	3.0	25.0	42.0	20.0	13.0	29.0	12.5	6	28.0	27.0	27.0
WALDORF	36.0	32.0	7.0	1.0	17.0	17.5	26.5	25.0	29	25.0	27.0	13.0
EPSOM	30.0	40.0	20.0	6.0	22.0	27.5	21.0	31.0	40	26.0	6.5	31.0
FRI-FRT 83-1	42.0	15.0	42.0	7.0	3.0	19.0	14.0	15.0	25	39.0	6.5	34.0
JAMESTOWN	29.0	8.5	13.0	21.0	24.0	30.0	44.0	23.0	32	18.0	27.0	19.5
ATLANTA	22.0	12.0	19.0	35.0	15.0	42.0	19.0	28.0	43	23.0	15.5	26.0
MAGENTA	16.0	36.0	24.0	34.0	23.0	15.0	32.0	18.0	37	13.0	27.0	37.0
ESTICA	32.0	15.0	29.0	12.0	11.0	24.0	36.5	36.0	15	35.0	6.5	43.0
WILMA	19.0	5.0	8.0	39.0	32.0	32.0	35.0	32.0	33	21.5	27.0	41.0
PENNLAWN	33.0	17.5	35.0	27.0	38.0	25.0	23.5	40.0	30	19.0	15.5	32.0
PERNILLE	10.0	28.5	39.0	30.0	9.0	35.0	39.0	17.0	13	40.0	6.5	10.0
CHECKER	40.0	43.0	27.0	25.0	36.0	31.0	33.5	39.0	39	29.0	2.0	19.5
LOVISA	15.0	17.5	30.0	4.0	37.0	36.5	20.0	33.0	21	36.0	27.0	28.0
KOKET	27.0	37.0	21.0	38.0	12.0	33.0	36.5	27.0	35	30.0	6.5	34.0
ENSYLVA	25.0	12.0	41.0	26.0	31.0	27.5	43.0	30.0	23	41.0	15.5	34.0
HIGHLIGHT	24.0	44.0	43.0	29.0	44.0	27.5	42.0	45.0	34	27.0	15.5	42.0
IVALO	14.0	21.0	38.0	32.0	45.0	34.0	45.0	46.0	41	32.0	15.5	44.0
BOREAL	23.0	23.0	33.0	28.0	30.0	44.0	28.0	26.0	31	34.0	41.5	17.0
TATJANA	38.0	35.0	31.5	37.0	43.0	40.0	47.0	47.0	42	33.0	15.5	40.0
CENTER	44.0	45.0	31.5	36.0	21.0	43.0	22.0	37.0	38	24.0	46.5	24.5
UNKNOWN	39.0	32.0	28.0	46.0	40.5	21.0	46.0	20.0	12	31.0	36.5	24.5
RUBY	20.0	20.0	45.0	45.0	39.0	39.0	26.5	42.0	17	42.0	27.0	30.0
ROBOT	31.0	41.5	44.0	44.0	40.5	36.5	33.5	38.0	20	44.0	36.5	36.0
WINTERGREEN	41.0	28.5	40.0	11.0	46.0	41.0	40.0	41.0	46	43.0	27.0	45.0
COMMODORE	35.0	32.0	37.0	47.0	42.0	45.0	38.0	35.0	18	38.0	36.5	23.0
CERES	37.0	27.0	46.0	3.0	35.0	46.0	30.5	43.0	27	37.0	41.5	39.0
LOGRO	.	46.0	47.0	43.0	.	47.0	23.5	44.0	47	.	15.5	46.0

1/ THIS TABLE CONTAINS NO STATISTICAL VALUES (LSD VALUES), THEREFORE IT SHOULD ONLY BE USED TO DETERMINE THE GENERAL PERFORMANCE OF A VARIETY OR VARIETIES ACROSS SEVERAL LOCATIONS OR REGIONS. TO ASSESS STATISTICAL DIFFERENCES AMONG VARIETIES, REFER TO THE MEANS AND LSD VALUES IN TABLE 1.

TABLE 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE  
(CONT'D) CULTIVARS AT TWENTY-FOUR LOCATIONS IN THE UNITED STATES  
1984-87 DATA  
QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	NC3	NE1	NJ1	NY1	NY2	OK2	OR1	OR2	UB1	VA1	WA1	WA3	MEAN
ST-2 (SR 3000)	1.0	21.0	1	10.0	7.0	5.0	8	8.0	2.0	5.5	28.0	21.0	1
AURORA	11.0	28.5	5	13.0	3.0	17.0	1	12.0	1.0	3.0	3.0	38.0	2
RELIANT	2.0	47.0	3	14.0	10.5	2.0	7	15.0	5.0	1.0	5.0	23.5	3
SPARTAN	3.0	22.0	2	32.0	3.0	7.0	10	14.0	12.0	5.5	12.0	32.0	4
LONGFELLOW	16.0	6.0	4	16.0	17.0	30.0	2	6.0	11.0	10.0	22.0	25.5	5
SCALDIS	7.0	7.0	8	30.0	8.0	1.0	6	16.0	9.0	8.0	4.0	40.0	6
4LS (BIGHORN)	10.0	23.0	9	.	6.0	.	3	18.0	4.0	7.0	34.0	37.0	7
CF-2 (VICTORY)	13.5	25.0	12	7.0	12.0	15.0	18	7.0	14.0	12.0	11.0	21.0	8
WALDINA	8.0	34.0	6	22.0	3.0	20.5	11	34.5	13.0	3.0	25.0	42.0	9
BILJART	5.0	43.0	11	18.0	1.0	13.5	21	17.0	3.0	3.0	6.0	21.0	10
ENJOY	9.0	3.5	19	2.5	13.0	43.0	30	5.0	26.0	20.5	8.0	11.0	11
FLYER	40.5	10.0	26	19.0	10.5	6.0	12	28.0	29.0	34.0	29.0	9.0	12
BAR FO 81-225	4.0	38.0	7	39.0	9.0	32.0	20	41.0	7.5	11.0	2.0	30.0	13
VALDA	6.0	33.0	10	35.0	5.0	26.5	5	19.0	6.0	9.0	13.0	46.0	14
BEAUTY	29.0	1.0	14	2.5	16.0	24.0	22	11.0	23.0	16.0	16.0	15.0	15
TAMARA	21.5	19.0	21	15.0	28.0	37.0	16	9.0	17.0	17.0	1.0	6.0	16
MARY	19.0	17.0	23	12.0	21.5	42.0	32	10.0	25.0	22.0	9.0	14.0	17
HF 9-3 (WEEKEND)	24.0	9.0	31	1.0	26.0	16.0	9	4.0	42.5	31.0	31.0	3.0	18
BANNER	31.5	12.0	20	24.0	23.0	41.0	28	23.5	22.0	20.5	27.0	18.0	19
SHADOW	28.0	14.5	30	20.0	20.0	18.0	4	31.0	27.0	19.0	35.0	19.0	20
430	30.0	20.0	16	37.0	14.5	40.0	17	27.0	7.5	33.0	45.0	8.0	21
WALDORF	18.0	18.0	15	31.0	14.5	39.0	14	13.0	16.0	14.0	23.5	27.0	22
EPSOM	12.0	3.5	27	26.0	25.0	24.0	13	1.0	15.0	15.0	7.0	25.5	23
FRI-FRT 83-1	31.5	16.0	35	29.0	35.0	8.0	36	2.0	44.0	40.5	10.0	2.0	24
JAMESTOWN	17.0	5.0	18	11.0	29.0	30.0	15	23.5	18.0	18.0	17.0	36.0	25
ATLANTA	42.0	8.0	22	6.0	42.0	10.0	26	29.0	21.0	13.0	23.5	13.0	26
MAGENTA	26.0	2.0	13	27.0	21.5	35.0	19	38.0	20.0	25.0	40.0	33.0	27
ESTICA	44.0	11.0	28	23.0	43.0	11.0	37	3.0	34.0	42.0	20.0	1.0	28
WILMA	15.0	26.0	17	25.0	31.0	19.0	29	30.0	19.0	26.0	26.0	39.0	29
PENNLAWN	27.0	14.5	24	8.0	40.0	28.0	31	25.0	24.0	23.5	14.0	34.0	30
PERNILLE	45.0	24.0	33	36.0	32.5	13.5	40	20.0	30.0	32.0	38.0	5.0	31
CHECKER	25.0	13.0	32	9.0	30.0	9.0	25	26.0	31.0	36.0	32.0	10.0	32
LOVISA	38.5	28.5	29	38.0	41.0	3.0	27	36.0	32.0	38.0	42.0	16.0	33
KOKET	34.0	27.0	44	4.0	18.0	24.0	35	33.0	40.0	23.5	36.0	29.0	34
ENSYLVA	35.0	37.0	38	33.0	27.0	34.0	34	21.0	37.0	39.0	19.0	4.0	35
HIGHLIGHT	20.0	40.0	37	5.0	45.0	30.0	23	32.0	28.0	29.0	30.0	7.0	36
IVALO	23.0	41.0	36	17.0	38.0	22.0	38	34.5	33.0	28.0	33.0	12.0	37
BOREAL	43.0	39.0	40	34.0	36.5	37.0	44	40.0	35.0	40.5	44.0	31.0	38
TATJANA	33.0	31.0	43	21.0	44.0	4.0	33	22.0	38.0	30.0	15.0	23.5	39
CENTER	13.5	32.0	25	45.0	19.0	45.0	24	42.0	10.0	27.0	18.0	47.0	40
UNKNOWN	21.5	42.0	34	42.0	24.0	12.0	46	45.0	39.0	37.0	39.0	44.0	41
RUBY	37.0	44.0	41	40.0	36.5	26.5	43	43.0	42.5	43.0	37.0	17.0	42
ROBOT	36.0	30.0	39	41.0	32.5	20.5	45	47.0	47.0	44.5	21.0	45.0	43
WINTERGREEN	40.5	46.0	42	28.0	46.0	33.0	39	37.0	41.0	35.0	46.0	28.0	44
COMMODORE	38.5	36.0	47	44.0	39.0	37.0	47	44.0	46.0	46.0	41.0	43.0	45
CERES	46.0	35.0	45	43.0	34.0	44.0	41	39.0	45.0	47.0	43.0	41.0	46
LOGRO	.	45.0	46	46.0	47.0	.	42	46.0	36.0	44.5	47.0	35.0	47

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. IF MEANS ARE TIED, THE MEAN OF THE RANKS THEY ARE TIED FOR IS USED. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS  
FOR EACH YEAR GROWN IN THE UNITED STATES

1984-87 DATA

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

NAME	MEAN1984	MEAN1985	MEAN1986	MEAN1987	1984-87 MEAN
AURORA	5.5	5.7	5.7	5.4	5.6
SPARTAN	5.6	5.7	5.7	5.2	5.6
ST-2 (SR 3000)	5.5	5.7	5.6	5.4	5.6
RELIANT	5.6	5.7	5.6	5.1	5.6
SCALDIS	5.6	5.6	5.5	5.3	5.5
LONGFELLOW	5.7	5.6	5.5	5.1	5.5
4LS (BIGHORN)	5.5	5.5	5.7	5.2	5.5
WALDINA	5.4	5.5	5.5	5.1	5.4
BILJART	5.2	5.6	5.5	5.2	5.4
CF-2 (VICTORY)	5.6	5.4	5.3	5.2	5.4
BAR FO 81-225	5.0	5.3	5.3	5.0	5.2
ENJOY	5.2	5.1	5.4	4.7	5.2
VALDA	5.3	5.2	5.2	4.7	5.2
FLYER	5.5	5.0	5.0	5.0	5.1
TAMARA	5.4	4.9	5.1	5.0	5.1
BEAUTY	5.3	5.0	5.0	4.9	5.1
MARY	5.2	5.0	5.0	4.7	5.0
WALDORF	5.2	4.9	5.0	4.8	5.0
430	5.3	4.9	4.8	4.9	5.0
SHADOW	5.3	4.8	4.9	5.0	5.0
EPSOM	5.1	4.9	5.0	4.7	5.0
BANNER	5.2	4.8	4.9	5.0	5.0
HF 9-3 (WEEKEND)	5.3	4.8	4.8	4.5	4.9
JAMESTOWN	5.3	4.8	4.7	4.7	4.9
FRI-FRT 83-1	5.4	4.8	4.7	4.5	4.9
MAGENTA	5.1	4.8	4.9	4.6	4.9
ATLANTA	5.2	4.8	4.7	4.5	4.8
ESTICA	5.4	4.7	4.4	4.6	4.8
WILMA	5.2	4.6	4.5	4.6	4.7
PERNILLE	5.1	4.6	4.5	4.8	4.7
PENNLAWN	5.1	4.7	4.5	4.6	4.7
CHECKER	5.0	4.7	4.5	4.3	4.7
LOVISA	5.1	4.6	4.5	4.5	4.7
KOKET	5.0	4.5	4.5	4.5	4.7
ENSYLVA	5.0	4.4	4.4	4.6	4.6
CENTER	4.2	4.5	5.0	4.8	4.6
HIGHLIGHT	4.9	4.5	4.2	4.2	4.5
BOREAL	4.7	4.3	4.4	4.3	4.4
IVALO	4.9	4.4	4.1	4.1	4.4
UNKNOWN	4.6	4.3	4.3	4.5	4.4
TATJANA	4.9	4.3	4.0	4.1	4.3
RUBY	4.5	4.3	4.2	4.2	4.3
ROBOT	4.5	4.2	4.2	4.2	4.3
COMMODORE	4.4	4.1	4.1	4.3	4.2
WINTERGREEN	4.8	4.1	3.8	4.1	4.2
CERES	4.3	4.0	4.2	4.2	4.2
LOGRO	3.6	3.7	3.6	3.7	3.6
LSD VALUE	0.4	0.4	0.4	0.7	0.2

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

TABLE 5. SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA

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

NAME	ID1	NY1	WA1	WA3	MEAN
CHECKER	6.8	4.7	5.3	7.3	6.0
BAR FO 81-225	4.7	5.7	6.7	6.7	5.9
IVALO	4.5	6.3	5.2	7.7	5.9
430	5.7	5.3	5.3	7.0	5.8
ESTICA	6.0	6.3	4.8	6.0	5.8
HIGHLIGHT	5.0	5.3	5.5	7.3	5.8
PERNILLE	5.5	5.3	4.8	7.3	5.8
HF 9-3 (WEEKEND)	4.5	6.3	5.3	6.7	5.7
TATJANA	5.7	5.0	4.8	7.3	5.7
KOKET	6.2	6.0	5.5	5.0	5.7
RELIANT	5.5	8.0	5.7	3.3	5.6
COMMODORE	7.2	4.3	5.3	5.0	5.5
ST-2 (SR 3000)	5.7	7.7	4.7	3.3	5.3
TAMARA	6.0	4.0	5.7	5.3	5.3
RUBY	6.5	3.7	6.5	4.3	5.3
ENSYLVA	6.3	2.7	5.2	6.7	5.2
BANNER	5.7	4.3	4.8	6.0	5.2
BILJART	5.3	6.7	4.8	4.0	5.2
FRI-FRT 83-1	6.7	3.7	5.0	5.3	5.2
FLYER	4.8	6.0	5.0	4.7	5.1
JAMESTOWN	6.3	3.7	5.5	5.0	5.1
AURORA	4.7	6.0	5.0	4.7	5.1
ATLANTA	6.3	4.3	4.7	4.7	5.0
CF-2 (VICTORY)	5.7	4.7	5.3	4.3	5.0
CERES	6.2	1.3	5.0	7.3	5.0
UNKNOWN	4.7	2.7	5.3	6.7	4.8
PENNLAWN	6.0	3.0	5.3	5.0	4.8
MAGENTA	5.3	4.7	5.5	3.7	4.8
WINTERGREEN	5.2	3.0	4.7	6.3	4.8
VALDA	4.7	5.7	5.7	3.0	4.8
BEAUTY	5.3	4.7	5.2	3.7	4.7
BOREAL	5.3	4.3	5.3	3.7	4.7
LOVISA	6.5	4.7	4.7	2.7	4.6
SPARTAN	5.3	4.3	5.5	3.3	4.6
SCALDIS	4.5	6.3	5.3	2.3	4.6
SHADOW	4.3	4.7	5.7	3.7	4.6
WALDINA	5.0	6.0	4.7	2.7	4.6
WILMA	6.2	3.3	5.5	3.3	4.6
MARY	4.5	5.0	5.7	3.0	4.5
EPSOM	6.3	2.7	5.8	3.0	4.5
ROBOT	4.8	2.7	6.2	3.3	4.3
ENJOY	5.0	3.3	5.3	3.0	4.2
LONGFELLOW	5.3	2.7	5.7	2.7	4.1
4LS (BIGHORN)	4.7	.	5.5	2.0	4.1
CENTER	3.3	3.3	5.2	4.3	4.0
WALDORF	5.2	1.0	5.3	3.7	3.8
LOGRO	.	2.0	1.0	3.7	2.2
LSD VALUE	2.2	2.7	1.0	1.9	1.0

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

TABLE 6. GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA  
GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/

NAME	CA1	ID1	MD1	MN1	NE1	WA1	WA3	MEAN
MAGENTA	8.0	5.8	7.0	6.0	6.7	8.0	8.5	7.1
VALDA	8.0	6.3	7.0	7.0	6.0	8.0	7.7	7.1
4LS (BIGHORN)	.	6.0	6.7	7.0	6.7	7.7	8.3	7.1
WALDINA	8.6	5.5	7.0	6.7	5.3	8.7	7.7	7.1
SCALDIS	7.8	5.5	7.3	7.7	5.7	8.3	6.8	7.0
BAR FO 81-225	7.8	5.7	7.3	6.0	6.0	8.7	7.2	6.9
FLYER	7.7	5.7	7.0	6.0	6.3	7.3	8.3	6.9
ST-2 (SR 3000)	7.7	5.7	7.0	7.7	5.7	7.0	7.3	6.9
SPARTAN	.	6.2	7.3	6.7	5.7	8.0	7.2	6.8
ENJOY	7.1	6.0	6.7	6.7	6.0	8.0	7.2	6.8
AURORA	7.0	6.0	7.0	7.7	5.7	8.3	5.8	6.8
LONGFELLOW	8.0	6.3	6.3	5.3	6.3	7.0	8.0	6.8
MARY	7.6	5.8	6.3	6.3	6.0	7.7	7.3	6.7
RELIANT	7.4	5.7	7.7	6.3	5.3	7.7	6.8	6.7
BILJART	7.3	6.0	6.0	6.0	6.0	7.7	7.3	6.6
BANNER	7.6	6.3	7.0	5.0	6.0	7.0	7.3	6.6
HF 9-3 (WEEKEND)	7.1	6.3	6.3	5.3	6.0	7.3	7.7	6.6
SHADOW	7.7	5.7	7.3	5.0	6.0	6.3	7.8	6.5
JAMESTOWN	7.1	5.7	7.0	6.0	6.0	6.7	7.0	6.5
BEAUTY	7.3	6.0	7.3	5.0	5.0	7.0	7.5	6.5
CF-2 (VICTORY)	7.7	6.2	6.3	5.3	5.0	6.7	7.2	6.3
BOREAL	6.9	6.0	6.3	6.0	4.7	6.7	7.3	6.3
TAMARA	6.6	6.3	7.0	5.0	5.0	7.7	6.3	6.3
WALDORF	7.2	5.7	7.0	5.0	5.3	6.3	7.3	6.3
WILMA	7.6	5.7	7.0	6.3	5.3	7.0	5.0	6.3
KOKET	7.0	5.5	7.0	5.0	5.7	7.0	6.5	6.2
ESTICA	6.6	6.0	6.7	5.0	5.7	6.7	6.5	6.2
TATJANA	6.3	5.7	6.7	5.3	5.7	7.0	6.3	6.1
CENTER	6.8	6.2	6.0	5.3	5.7	6.7	6.0	6.1
ROBOT	6.7	6.3	6.3	5.0	5.7	7.3	5.2	6.1
PENNLAWN	6.9	5.2	6.7	5.0	6.0	6.0	6.7	6.1
UNKNOWN	6.8	5.3	6.7	5.7	5.3	6.3	6.2	6.0
HIGHLIGHT	6.6	5.5	7.3	5.0	5.0	7.0	5.7	6.0
COMMODORE	6.7	6.0	6.3	6.0	5.7	6.0	5.3	6.0
PERNILLE	6.7	6.0	7.0	5.0	4.7	6.3	6.2	6.0
WINTERGREEN	6.1	5.8	6.3	5.3	5.0	6.0	7.2	6.0
ATLANTA	6.9	5.7	6.3	5.7	5.3	5.7	6.0	5.9
FRI-FRT 83-1	6.8	6.5	6.3	5.0	5.3	5.3	6.2	5.9
LOVISA	6.7	5.5	6.7	5.0	5.0	6.3	6.0	5.9
ENSYLVA	6.1	5.3	6.7	6.0	5.0	6.3	5.7	5.9
IVALO	6.1	6.0	6.7	5.3	5.5	6.3	5.2	5.9
CHECKER	6.6	5.5	7.0	5.3	5.3	6.7	4.7	5.9
EPSOM	6.1	5.3	6.7	5.3	4.0	7.0	6.2	5.8
430	6.7	5.5	6.3	5.3	5.3	5.7	5.7	5.8
CERES	6.3	5.3	6.0	5.3	4.7	6.0	5.8	5.6
LOGRO	.	.	5.3	6.0	5.3	.	5.8	5.6
RUBY	6.3	5.7	7.0	5.0	4.7	4.7	6.0	5.6
LSD VALUE	0.7	1.0	0.8	1.4	0.9	1.2	1.7	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 7. WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA  
 WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 1/

NAME	CA1	WA3	MEAN
BAR FO 81-225	7.8	7.0	7.4
ST-2 (SR 3000)	7.8	6.7	7.3
SCALDIS	8.3	6.0	7.2
HF 9-3 (WEEKEND)	7.8	6.0	6.9
RELIANT	8.3	5.0	6.7
FRI-FRT 83-1	7.2	6.0	6.6
ENJOY	6.8	6.0	6.4
MAGENTA	7.5	5.3	6.4
WALDORF	7.5	5.3	6.4
MARY	7.7	5.0	6.3
BILJART	7.2	5.3	6.3
AURORA	7.7	4.7	6.2
FLYER	7.7	4.7	6.2
IVALO	6.7	5.7	6.2
BEAUTY	7.3	5.0	6.2
430	7.5	4.7	6.1
CHECKER	6.2	6.0	6.1
ESTICA	6.5	5.7	6.1
SHADOW	7.3	4.7	6.0
VALDA	7.3	4.7	6.0
WALDINA	8.3	3.7	6.0
TAMARA	7.2	4.7	5.9
BANNER	7.5	4.3	5.9
CENTER	6.5	5.0	5.8
LOVISA	6.8	4.7	5.8
WILMA	7.8	3.7	5.8
HIGHLIGHT	6.7	4.7	5.7
ATLANTA	6.5	4.7	5.6
KOKET	7.2	4.0	5.6
UNKNOWN	6.8	4.3	5.6
WINTERGREEN	5.8	5.3	5.6
CERES	6.5	4.3	5.4
TATJANA	6.5	4.3	5.4
BOREAL	7.0	3.7	5.3
SPARTAN	.	5.3	5.3
EPSOM	6.2	4.3	5.3
CF-2 (VICTORY)	7.3	3.0	5.2
ROBOT	6.3	4.0	5.2
RUBY	6.3	4.0	5.2
ENSYLVA	6.2	4.0	5.1
JAMESTOWN	6.8	3.3	5.1
LONGFELLOW	7.5	2.7	5.1
PERNILLE	6.3	3.7	5.0
COMMODORE	6.5	3.3	4.9
PENNLAWN	6.5	3.3	4.9
4LS (BIGHORN)	.	4.3	4.3
LOGRO	.	3.0	3.0
LSD VALUE	1.2	1.8	1.1

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

TABLE 8. LEAF TEXTURE RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA  
 LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 1/

NAME	CA1	ID1	WA3	MEAN
SPARTAN	.	8.3	7.0	7.7
BILJART	5.1	8.3	7.2	6.9
LOGRO	.	.	6.8	6.8
VALDA	5.8	7.0	7.5	6.8
WALDINA	5.6	7.7	6.7	6.6
4LS (BIGHORN)	.	6.7	6.5	6.6
RELIANT	5.2	7.7	6.8	6.6
WINTERGREEN	5.6	7.3	6.7	6.5
SCALDIS	5.6	7.7	6.3	6.5
ST-2 (SR 3000)	5.1	7.3	7.0	6.5
AURORA	5.1	7.3	6.8	6.4
ENJOY	5.1	7.3	6.5	6.3
KOKET	5.1	8.0	5.8	6.3
ESTICA	5.6	6.7	6.5	6.2
HIGHLIGHT	4.6	8.0	6.2	6.2
LOVISA	4.9	7.0	6.7	6.2
TATJANA	5.3	7.7	5.5	6.2
CHECKER	5.1	7.7	5.7	6.1
CF-2 (VICTORY)	4.7	7.7	6.0	6.1
BAR FO 81-225	5.4	6.3	6.5	6.1
MAGENTA	5.1	7.3	5.8	6.1
CENTER	5.0	6.0	7.2	6.1
PENNLAWN	4.7	7.7	5.5	5.9
EPSOM	5.2	6.7	5.8	5.9
BEAUTY	5.7	6.7	5.3	5.9
WALDORF	5.3	7.7	4.7	5.9
TAMARA	5.3	5.7	6.5	5.8
HF 9-3 (WEEKEND)	4.9	7.3	5.2	5.8
JAMESTOWN	4.8	7.7	4.8	5.8
IVALO	5.1	6.0	6.0	5.7
ATLANTA	4.9	7.0	5.2	5.7
BANNER	4.9	7.0	5.2	5.7
ENSYLVA	5.3	5.3	6.2	5.6
WILMA	4.8	6.3	5.5	5.5
SHADOW	4.7	7.7	4.0	5.4
PERNILLE	5.0	4.7	6.5	5.4
COMMODORE	4.7	5.0	6.0	5.2
FRI-FRT 83-1	4.8	5.3	5.5	5.2
LONGFELLOW	5.0	6.3	4.0	5.1
MARY	4.6	6.3	4.3	5.1
430	4.7	3.3	6.2	4.7
BOREAL	4.8	4.0	5.3	4.7
CERES	4.6	4.0	5.3	4.6
RUBY	4.7	3.0	6.2	4.6
ROBOT	4.7	3.3	5.5	4.5
FLYER	4.7	4.3	3.8	4.3
UNKNOWN	4.4	3.3	4.8	4.2
LSD VALUE	1.7	2.2	2.0	1.2

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

TABLE 9. SEEDLING VIGOR RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA  
 SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM 1/

NAME	ID1	NJ1	WA1	MEAN
KOKET	7.5	7.0	6.3	6.9
COMMODORE	7.2	6.7	6.7	6.8
ENSYLVA	7.0	7.0	6.3	6.8
TATJANA	7.8	6.7	5.7	6.7
UNKNOWN	5.7	6.3	7.7	6.6
BANNER	7.2	6.7	5.7	6.5
JAMESTOWN	7.2	7.0	5.3	6.5
HF 9-3 (WEEKEND)	7.0	6.7	5.7	6.4
HIGHLIGHT	6.8	6.3	6.0	6.4
CHECKER	7.3	6.7	4.7	6.2
TAMARA	6.0	7.0	5.7	6.2
FRI-FRT 83-1	6.5	6.7	5.3	6.2
WILMA	5.8	7.0	5.7	6.2
CF-2 (VICTORY)	6.3	6.0	6.0	6.1
IVALO	7.0	6.3	5.0	6.1
BEAUTY	5.8	6.7	5.7	6.1
ESTICA	7.2	7.0	4.0	6.1
PENNLAWN	6.2	6.3	5.7	6.1
ROBOT	5.8	6.0	6.3	6.1
PERNILLE	6.7	6.7	4.7	6.0
ATLANTA	6.2	6.0	5.3	5.8
EPSOM	6.8	5.7	5.0	5.8
MARY	5.5	6.0	6.0	5.8
SHADOW	5.2	7.0	5.3	5.8
WINTERGREEN	6.5	5.7	5.3	5.8
RUBY	6.7	6.3	4.3	5.8
CERES	5.3	6.7	5.0	5.7
RELIANT	5.7	6.0	5.3	5.7
FLYER	5.7	6.3	4.7	5.6
MAGENTA	4.7	6.7	5.3	5.6
ST-2 (SR 3000)	5.7	6.0	5.0	5.6
ENJOY	4.7	5.7	6.0	5.4
LONGFELLOW	5.3	6.0	5.0	5.4
WALDINA	5.5	6.0	4.7	5.4
BILJART	5.5	5.3	5.3	5.4
SCALDIS	5.8	5.3	5.0	5.4
430	5.0	6.3	4.7	5.3
AURORA	5.3	5.0	5.7	5.3
BOREAL	5.5	5.3	4.7	5.2
SPARTAN	4.7	5.0	5.7	5.1
4LS (BIGHORN)	3.3	5.7	6.0	5.0
LOVISA	5.7	4.7	4.7	5.0
VALDA	3.7	5.3	5.7	4.9
WALDORF	5.0	5.0	4.3	4.8
BAR FO 81-225	2.5	4.0	5.3	3.9
LOGRO	4.0	3.7	.	3.8
CENTER	2.7	2.0	1.7	2.1
LSD VALUE	1.6	1.3	1.2	0.9

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

TABLE 10. SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA  
 DENSITY RATINGS 1-9; 9=MAXIMUM 1/

NAME	CA1	KY1	VA1	WA3	MEAN
WALDINA	8.2	9.0	6.7	7.0	7.7
BILJART	7.7	9.0	7.0	6.8	7.6
BEAUTY	8.3	9.0	5.3	7.5	7.5
TAMARA	7.7	9.0	6.0	7.5	7.5
RELIANT	7.5	9.0	7.0	6.5	7.5
AURORA	7.7	9.0	6.7	6.3	7.4
ENJOY	8.0	9.0	5.0	7.7	7.4
ESTICA	7.8	9.0	4.7	8.2	7.4
SCALDIS	7.7	9.0	6.3	6.5	7.4
WALDORF	7.8	9.0	6.0	6.7	7.4
HF 9-3 (WEEKEND)	7.8	9.0	5.3	7.3	7.4
430	7.8	9.0	5.7	6.8	7.3
PERNILLE	7.7	9.0	5.3	7.2	7.3
CERES	7.5	9.0	5.3	7.3	7.3
FRI-FRT 83-1	7.5	9.0	5.3	7.3	7.3
SPARTAN	.	9.0	6.0	6.8	7.3
MAGENTA	7.2	9.0	5.7	7.2	7.3
EPSOM	7.8	9.0	5.7	6.5	7.3
LONGFELLOW	8.0	9.0	5.0	7.0	7.3
ST-2 (SR 3000)	7.7	8.7	6.0	6.7	7.3
VALDA	7.3	9.0	6.0	6.7	7.3
BANNER	8.0	9.0	4.7	7.2	7.2
FLYER	7.7	9.0	5.0	7.2	7.2
ATLANTA	7.7	9.0	5.3	6.8	7.2
CHECKER	7.5	9.0	5.0	7.2	7.2
WILMA	8.0	9.0	5.0	6.7	7.2
SHADOW	7.8	9.0	5.0	6.8	7.2
CF-2 (VICTORY)	8.2	9.0	4.7	6.7	7.1
IVALO	6.8	9.0	6.0	6.7	7.1
JAMESTOWN	7.0	9.0	5.7	6.8	7.1
HIGHLIGHT	7.5	9.0	5.0	6.8	7.1
KOKET	7.3	9.0	5.3	6.7	7.1
MARY	7.3	9.0	5.3	6.7	7.1
PENNLAWN	7.0	9.0	5.3	7.0	7.1
WINTERGREEN	7.2	9.0	5.0	7.0	7.0
4LS (BIGHORN)	.	9.0	5.7	6.3	7.0
BOREAL	7.3	9.0	5.0	6.7	7.0
ENSYLVA	6.7	9.0	5.3	7.0	7.0
BAR FO 81-225	7.5	7.0	6.3	7.0	7.0
LOVISA	7.3	9.0	4.7	6.8	7.0
RUBY	6.8	9.0	5.3	6.7	7.0
TATJANA	7.0	9.0	5.0	6.7	6.9
ROBOT	7.5	9.0	4.7	6.3	6.9
COMMODORE	6.7	9.0	4.7	6.8	6.8
UNKNOWN	6.3	9.0	5.0	6.3	6.7
LOGRO	.	8.0	5.0	6.3	6.4
CENTER	7.3	4.0	5.3	6.3	5.8
LSD VALUE	1.3	0.5	1.0	1.4	0.7

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

TABLE 11. SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA  
 DENSITY RATINGS 1-9; 9=MAXIMUM 1/

NAME	CA1	WA3	MEAN
ESTICA	6.3	8.0	7.2
ENJOY	7.6	6.7	7.1
LOVISA	6.9	7.3	7.1
MAGENTA	7.1	6.7	6.9
FRI-FRT 83-1	6.6	7.2	6.9
CF-2 (VICTORY)	7.1	6.5	6.8
430	7.3	6.0	6.7
TAMARA	7.0	6.3	6.7
ENSYLVA	6.6	6.7	6.6
HF 9-3 (WEEKEND)	6.9	6.3	6.6
EPSOM	6.8	6.3	6.6
LONGFELLOW	6.4	6.5	6.5
WALDORF	6.1	6.8	6.5
ATLANTA	6.2	6.7	6.4
HIGHLIGHT	6.9	6.0	6.4
PERNILLE	6.4	6.3	6.4
JAMESTOWN	7.0	5.7	6.3
RUBY	7.0	5.7	6.3
BEAUTY	6.8	5.8	6.3
MARY	6.4	6.2	6.3
PENNLAWN	7.1	5.5	6.3
FLYER	6.9	5.7	6.3
BANNER	6.7	5.8	6.3
KOKET	7.0	5.5	6.3
SHADOW	6.3	6.2	6.3
WILMA	6.7	5.8	6.3
CHECKER	6.4	5.8	6.1
IVALO	7.1	5.2	6.1
RELIANT	6.8	4.8	5.8
SCALDIS	7.8	3.8	5.8
TATJANA	6.4	5.2	5.8
BOREAL	6.9	4.7	5.8
BAR FO 81-225	7.2	4.3	5.8
WINTERGREEN	6.7	4.8	5.8
UNKNOWN	6.8	4.7	5.7
BILJART	7.1	4.3	5.7
COMMODORE	6.4	4.8	5.6
WALDINA	7.6	3.7	5.6
AURORA	6.7	4.5	5.6
VALDA	6.7	4.5	5.6
CENTER	6.8	4.2	5.5
ST-2 (SR 3000)	7.1	3.8	5.5
ROBOT	7.0	3.5	5.3
4LS (BIGHORN)	.	4.8	4.8
CERES	6.0	3.7	4.8
LOGRO	.	4.7	4.7
SPARTAN	.	4.3	4.3
LSD VALUE	1.2	1.8	1.1

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

TABLE 12. FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA  
DENSITY RATINGS 1-9; 9=MAXIMUM 1/

NAME	CA1	ID1	VA1	WA3	MEAN
RELIANT	7.3	7.0	6.7	6.7	6.9
BAR FO 81-225	7.2	6.3	6.3	6.3	6.6
ESTICA	6.9	7.3	5.0	7.0	6.6
WALDINA	7.8	5.7	6.3	6.3	6.5
CF-2 (VICTORY)	7.6	7.7	5.7	5.0	6.5
ENJOY	7.8	6.3	5.7	6.0	6.4
MARY	7.4	7.0	5.7	5.7	6.4
PENNLAWN	7.1	8.0	5.3	5.3	6.4
BILJART	7.0	6.7	7.0	5.0	6.4
WINTERGREEN	7.0	7.3	5.7	5.7	6.4
WILMA	7.7	7.3	5.3	5.3	6.4
LOVISA	7.2	7.3	5.0	6.0	6.4
ST-2 (SR 3000)	7.9	6.3	6.0	5.3	6.4
TATJANA	6.8	7.0	6.0	5.7	6.4
AURORA	7.6	6.3	6.3	5.0	6.3
WALDORF	7.1	6.3	5.7	6.0	6.3
HIGHLIGHT	7.0	6.3	5.7	6.0	6.3
IVALO	7.2	6.3	5.7	5.7	6.2
SCALDIS	7.8	6.3	6.0	4.7	6.2
BANNER	7.4	6.7	5.3	5.3	6.2
EPSOM	7.1	6.0	5.7	5.7	6.1
FRI-FRT 83-1	6.1	6.7	5.3	6.3	6.1
VALDA	7.1	7.0	6.0	4.3	6.1
ENSYLVA	7.2	5.7	5.0	6.3	6.1
SHADOW	7.0	7.3	5.0	4.7	6.0
BEAUTY	6.9	6.3	6.0	4.7	6.0
LONGFELLOW	7.2	6.7	5.7	4.3	6.0
CHECKER	6.7	6.3	5.0	5.7	5.9
JAMESTOWN	7.2	5.7	5.7	5.0	5.9
TAMARA	6.9	6.0	6.0	4.7	5.9
HF 9-3 (WEEKEND)	6.9	6.3	5.3	5.0	5.9
ATLANTA	7.4	5.0	6.0	5.0	5.9
FLYER	7.3	5.7	5.0	5.3	5.8
430	7.2	5.7	5.3	5.0	5.8
KOKET	6.9	6.3	5.0	5.0	5.8
MAGENTA	7.6	5.0	5.7	4.3	5.6
4LS (BIGHORN)	.	6.0	6.0	4.7	5.6
PERNILLE	7.2	5.7	4.0	5.3	5.6
CERES	6.8	6.3	4.3	4.7	5.5
SPARTAN	.	5.3	6.3	4.3	5.3
RUBY	6.9	5.3	4.0	5.0	5.3
BOREAL	7.4	5.7	4.0	4.0	5.3
ROBOT	6.4	6.0	4.3	4.0	5.2
CENTER	6.8	4.3	5.3	4.0	5.1
UNKNOWN	6.7	5.3	4.7	3.7	5.1
LOGRO	.	.	3.7	6.3	5.0
COMMODORE	6.7	5.0	4.0	3.3	4.8
LSD VALUE	0.9	1.4	1.1	1.7	0.7

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

TABLE 13. PERCENT LIVING GROUND COVER (SPRING)  
RATINGS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/								
NAME	CA1	KS2	NC3	NY1	UB1	VA1	WA3	MEAN
ST-2 (SR 3000)	96.3	76.7	91.3	55.0	93.5	60.0	84.0	79.5
RELIANT	96.8	80.0	93.0	45.0	97.5	60.8	81.3	79.2
AURORA	96.8	76.7	93.3	46.7	98.3	59.2	81.7	79.0
4LS (BIGHORN)	.	70.0	83.3	.	98.3	58.3	80.2	78.0
CF-2 (VICTORY)	99.0	66.7	94.7	50.0	92.2	44.2	89.8	76.6
BILJART	93.8	70.0	93.0	36.7	96.8	56.7	88.8	76.5
KOKET	98.3	73.3	90.0	66.7	76.7	47.5	81.2	76.2
PENNLAWN	98.3	63.3	96.3	55.0	85.5	45.8	89.2	76.2
WALDINA	96.3	76.7	93.0	43.3	95.3	57.5	71.2	76.2
SCALDIS	96.8	80.0	91.7	33.3	97.0	57.5	76.7	76.1
BANNER	98.0	66.7	96.3	50.0	89.7	43.3	87.5	75.9
TAMARA	98.3	60.0	93.3	43.3	92.2	50.8	89.3	75.3
BEAUTY	97.0	56.7	96.3	50.0	90.7	48.3	85.7	75.0
SPARTAN	.	76.7	90.0	43.3	96.0	56.7	85.2	74.6
ENSYLVA	97.7	76.7	93.0	50.0	76.7	36.7	88.5	74.2
HIGHLIGHT	99.0	56.7	94.7	45.0	86.5	47.5	89.3	74.1
MARY	97.7	63.3	94.7	41.7	83.3	49.2	88.3	74.0
WILMA	97.7	60.0	96.3	48.3	89.8	41.7	84.3	74.0
430	99.0	70.0	91.7	30.0	97.0	37.5	91.7	73.8
JAMESTOWN	96.2	60.0	91.7	43.3	88.3	49.2	86.5	73.6
FRI-FRT 83-1	97.0	70.0	90.0	41.7	79.2	45.0	91.7	73.5
IVALO	97.5	56.7	91.7	46.7	87.3	40.8	92.5	73.3
CHECKER	98.3	66.7	88.3	45.0	81.5	43.3	89.2	73.2
ESTICA	97.5	70.0	88.3	55.0	75.0	32.5	92.5	73.0
WALDORF	97.7	43.3	96.3	38.3	88.3	59.2	87.0	72.9
ATLANTA	98.3	50.0	93.3	43.3	86.7	50.0	87.5	72.7
PERNILLE	99.0	66.7	85.0	41.7	80.0	41.7	94.7	72.7
ENJOY	98.3	56.7	96.3	38.3	78.3	50.8	87.5	72.3
MAGENTA	97.7	63.3	93.3	30.0	86.5	44.2	89.3	72.0
HF 9-3 (WEEKEND)	98.3	76.7	86.7	41.7	63.3	50.0	87.5	72.0
LONGFELLOW	96.2	46.7	93.0	35.0	94.5	51.7	86.0	71.9
TATJANA	96.8	63.3	89.7	46.7	75.7	45.0	85.7	71.8
RUBY	96.8	73.3	90.0	41.7	75.0	32.5	89.3	71.2
FLYER	94.5	56.7	93.0	41.7	84.2	37.5	90.5	71.1
SHADOW	99.0	50.0	86.7	43.3	85.8	44.2	86.3	70.8
BOREAL	97.7	63.3	90.0	43.3	74.2	37.5	88.8	70.7
VALDA	91.5	63.3	83.3	33.3	94.5	54.2	73.5	70.5
WINTERGREEN	97.7	66.7	91.7	43.3	61.7	40.8	88.0	70.0
COMMODORE	96.7	70.0	91.7	43.3	70.8	33.3	83.0	69.8
EPSOM	96.2	56.7	94.7	15.0	88.3	56.7	79.7	69.6
UNKNOWN	94.0	55.0	88.3	45.0	79.2	35.8	86.3	69.1
ROBOT	95.3	63.3	90.0	38.3	65.8	39.2	80.0	67.4
LOVISA	95.8	33.3	80.0	30.0	79.8	44.2	88.2	64.5
BAR FO 81-225	96.2	36.7	85.0	10.0	91.3	52.5	66.8	62.6
CERES	97.7	50.0	81.7	33.3	59.2	35.0	79.0	62.3
CENTER	93.2	0.0	78.3	10.0	93.0	52.5	75.0	57.4
LOGRO	.	26.7	.	30.0	89.8	35.8	69.3	50.3
LSD VALUE	3.8	17.2	7.6	21.8	13.0	9.0	18.7	5.3

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 14. PERCENT LIVING GROUND COVER (SUMMER)  
RATINGS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/					
NAME	CA1	UB1	VA1	WA3	MEAN
JAMESTOWN	87.4	30.0	51.7	92.7	65.4
BANNER	90.8	20.0	47.2	96.7	63.7
CF-2 (VICTORY)	90.8	13.3	54.4	89.7	62.1
PENNLAWN	88.6	20.0	48.3	90.0	61.7
SHADOW	88.1	15.0	50.0	93.3	61.6
EPSOM	83.1	9.3	56.7	96.3	61.4
430	92.6	31.7	27.2	93.3	61.2
LONGFELLOW	81.9	20.0	47.2	95.7	61.2
AURORA	84.9	11.7	62.2	84.7	60.9
ATLANTA	87.7	9.3	52.8	93.0	60.7
WILMA	82.2	12.7	51.7	95.0	60.4
TAMARA	90.2	8.3	54.4	88.3	60.3
ENJOY	92.3	11.7	51.7	84.0	59.9
IVALO	89.7	13.3	51.7	84.0	59.7
MARY	82.4	11.0	49.4	95.0	59.5
CHECKER	86.0	9.3	46.7	95.0	59.3
BAR FO 81-225	83.1	14.3	55.6	83.3	59.1
KOKET	85.3	13.3	48.3	89.3	59.1
RELIANT	80.9	7.7	61.7	86.0	59.1
HIGHLIGHT	82.6	11.7	48.9	92.7	58.9
MAGENTA	87.6	6.7	47.2	93.0	58.6
TATJANA	85.4	8.3	44.4	95.3	58.4
BEAUTY	82.4	9.3	56.7	82.7	57.8
WALDORF	77.0	8.3	52.2	91.7	57.3
HF 9-3 (WEEKEND)	86.4	3.0	45.0	93.3	56.9
ST-2 (SR 3000)	87.4	8.3	61.1	70.0	56.7
LOVISA	87.8	5.0	37.2	96.0	56.5
SCALDIS	88.0	9.3	55.6	72.7	56.4
CENTER	75.2	20.0	49.4	79.0	55.9
UNKNOWN	85.9	21.7	32.2	82.7	55.6
BOREAL	87.4	18.3	28.9	85.0	54.9
PERNILLE	82.4	11.7	34.4	89.3	54.5
ENSYLVA	84.3	11.7	30.6	90.0	54.1
WINTERGREEN	83.7	8.3	43.3	80.0	53.8
FLYER	88.7	17.7	26.7	82.3	53.8
RUBY	89.7	10.0	26.1	89.0	53.7
CERES	89.2	16.7	28.3	77.7	53.0
BILJART	76.4	7.0	60.0	68.3	52.9
COMMODORE	91.3	9.3	25.6	82.7	52.2
ROBOT	91.0	10.0	26.1	81.7	52.2
ESTICA	78.2	5.3	28.3	96.7	52.1
VALDA	65.4	6.7	53.3	81.0	51.6
WALDINA	84.0	6.3	61.1	55.0	51.6
FRI-FRT 83-1	79.3	1.7	31.7	93.7	51.6
4LS (BIGHORN)	.	17.7	53.9	80.0	50.5
SPARTAN	.	7.0	59.4	79.3	48.6
LOGRO	.	5.3	31.7	81.7	39.6
LSD VALUE	14.9	14.0	8.0	17.3	7.1

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

TABLE 15. PERCENT LIVING GROUND COVER (FALL)  
 RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	CA1	ID1	KY1	UB1	VA1	WA3	MEAN
BANNER	97.1	80.0	70.0	65.0	57.8	91.3	76.9
ENSYLVA	96.6	76.7	68.3	70.0	53.9	91.7	76.2
CF-2 (VICTORY)	97.1	83.3	53.3	66.7	59.4	93.0	75.5
PENNLAWN	96.1	76.7	53.3	60.0	55.0	94.3	72.6
KOKET	94.4	83.3	65.0	43.3	56.7	91.7	72.4
PERNILLE	94.2	60.0	55.0	75.0	55.0	93.3	72.1
430	98.1	60.0	40.0	80.0	60.6	93.3	72.0
HIGHLIGHT	87.6	76.7	63.3	61.7	50.0	91.7	71.8
JAMESTOWN	95.7	70.0	56.7	73.3	56.1	76.7	71.4
BEAUTY	92.2	83.3	46.7	60.0	55.0	88.3	70.9
BOREAL	94.9	80.0	53.3	58.3	47.8	91.0	70.9
ROBOT	94.6	76.7	60.0	65.0	44.4	83.3	70.7
UNKNOWN	96.7	50.0	53.3	76.7	53.3	93.3	70.6
IVALO	98.0	70.0	58.3	50.0	53.3	93.3	70.5
TAMARA	96.4	66.7	53.3	53.3	56.7	94.3	70.1
SHADOW	97.1	80.0	53.3	48.3	54.4	86.7	70.0
FLYER	95.7	66.7	48.3	60.0	57.2	91.7	69.9
EPSOM	87.8	70.0	56.7	56.7	56.7	90.0	69.6
COMMODORE	95.6	73.3	58.3	56.7	41.1	90.0	69.2
MARY	94.3	76.7	53.3	48.3	53.3	85.0	68.5
LONGFELLOW	95.3	46.7	50.0	65.0	61.7	90.0	68.1
RUBY	97.7	66.7	61.7	45.0	44.4	93.0	68.1
ESTICA	80.2	86.7	60.0	35.0	49.4	93.3	67.4
ST-2 (SR 3000)	97.2	73.3	43.3	56.7	62.8	70.0	67.2
ATLANTA	96.1	63.3	46.7	53.3	58.9	83.3	66.9
RELIANT	95.1	73.3	56.7	41.7	68.9	65.0	66.8
MAGENTA	97.6	63.3	53.3	46.7	56.1	83.3	66.7
AURORA	96.7	76.7	50.0	46.7	66.1	61.7	66.3
TATJANA	92.3	80.0	63.3	33.3	52.8	76.0	66.3
ENJOY	96.6	56.7	60.0	50.0	53.9	80.0	66.2
BILJART	90.3	80.0	40.0	40.0	67.8	78.3	66.1
WILMA	93.6	66.7	43.3	48.3	55.0	88.3	65.9
WALDORF	88.7	60.0	43.3	51.7	53.3	94.3	65.2
SCALDIS	97.1	60.0	60.0	50.0	57.8	63.3	64.7
CHECKER	87.4	63.3	56.7	50.0	42.8	86.0	64.4
CERES	91.2	73.3	56.7	51.7	38.3	71.7	63.8
WINTERGREEN	87.6	76.7	58.3	20.3	48.9	84.7	62.7
FRI-FRT 83-1	78.6	76.7	61.7	5.0	45.6	95.0	60.4
WALDINA	96.6	70.0	60.0	33.3	66.7	33.3	60.0
HF 9-3 (WEEKEND)	87.4	66.7	56.7	16.7	48.3	81.7	59.6
VALDA	86.6	53.3	30.0	48.3	59.4	71.7	58.2
SPARTAN	.	63.3	30.0	40.0	64.4	78.3	55.2
LOVISA	91.2	58.3	31.7	17.0	47.2	81.7	54.5
4LS (BIGHORN)	.	46.7	35.0	53.3	62.2	70.0	53.4
BAR FO 81-225	96.0	36.7	8.3	40.0	60.0	36.7	46.3
CENTER	92.9	16.7	3.0	58.3	51.1	45.0	44.5
LOGRO	.	40.0	10.0	38.3	37.2	43.3	33.8
LSD VALUE	8.7	25.0	12.4	25.9	7.8	21.7	5.5

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

TABLE 16. THATCH MEASUREMENTS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA

THATCH MEASUREMENTS IN MILLIMETERS: 25.4 MM = 1 INCH 1/

NAME	MN1	MEAN
ENJOY	20.7	20.7
HF 9-3 (WEEKEND)	19.0	19.0
VALDA	18.3	18.3
TATJANA	18.0	18.0
ATLANTA	17.3	17.3
WALDINA	17.3	17.3
LOGRO	17.0	17.0
WILMA	16.7	16.7
MARY	16.3	16.3
ST-2 (SR 3000)	16.3	16.3
ESTICA	15.3	15.3
WINTERGREEN	15.0	15.0
BEAUTY	14.7	14.7
FLYER	14.0	14.0
MAGENTA	14.0	14.0
SHADOW	14.0	14.0
EPSOM	13.7	13.7
HIGHLIGHT	13.7	13.7
LOVISA	13.7	13.7
TAMARA	13.7	13.7
CHECKER	13.3	13.3
CERES	13.0	13.0
JAMESTOWN	12.7	12.7
BAR FO 81-225	12.3	12.3
LONGFELLOW	12.3	12.3
PENNLAWN	12.3	12.3
SPARTAN	12.3	12.3
KOKET	12.0	12.0
UNKNOWN	12.0	12.0
CF-2 (VICTORY)	11.7	11.7
PERNILLE	11.7	11.7
RUBY	11.3	11.3
SCALDIS	11.3	11.3
WALDORF	11.3	11.3
BANNER	11.0	11.0
4LS (BIGHORN)	10.7	10.7
COMMODORE	10.3	10.3
BILJART	10.0	10.0
CENTER	10.0	10.0
FRI-FRT 83-1	10.0	10.0
IVALO	10.0	10.0
AURORA	9.7	9.7
430	9.3	9.3
BOREAL	8.7	8.7
RELIANT	8.0	8.0
ROBOT	8.0	8.0
ENSYLVA	7.0	7.0
LSD VALUE	7.8	7.8

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

TABLE 17. TYPHULA BLIGHT RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA  
 TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE 1/

NAME	ID1	MEAN
EPSOM	8.7	8.7
HF 9-3 (WEEKEND)	8.7	8.7
IVALO	7.0	7.0
MAGENTA	7.0	7.0
SHADOW	6.7	6.7
WILMA	6.3	6.3
BANNER	6.0	6.0
KOKET	6.0	6.0
MARY	6.0	6.0
ATLANTA	5.7	5.7
HIGHLIGHT	5.7	5.7
BAR FO 81-225	5.3	5.3
CENTER	5.3	5.3
SPARTAN	5.3	5.3
WALDINA	5.3	5.3
CHECKER	5.0	5.0
JAMESTOWN	5.0	5.0
PENNLAWN	5.0	5.0
BEAUTY	4.7	4.7
LONGFELLOW	4.7	4.7
TAMARA	4.7	4.7
VALDA	4.7	4.7
ENSYLVA	4.3	4.3
FLYER	4.3	4.3
TATJANA	4.3	4.3
WINTERGREEN	4.3	4.3
4LS (BIGHORN)	4.0	4.0
CF-2 (VICTORY)	4.0	4.0
ENJOY	4.0	4.0
RELIANT	4.0	4.0
SCALDIS	4.0	4.0
WALDORF	3.7	3.7
AURORA	3.3	3.3
BOREAL	3.3	3.3
LOVISA	3.3	3.3
ST-2 (SR 3000)	3.3	3.3
430	3.0	3.0
PERNILLE	3.0	3.0
RUBY	3.0	3.0
ROBOT	2.7	2.7
UNKNOWN	2.7	2.7
BILJART	2.3	2.3
CERES	2.0	2.0
COMMODORE	1.7	1.7
FRI-FRT 83-1	1.7	1.7
ESTICA	1.3	1.3
LSD VALUE	2.3	2.3

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

TABLE 18. FUSARIUM PATCH RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA  
 FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE 1/

NAME	ID1	MEAN
RELIANT	8.0	8.0
WINTERGREEN	8.0	8.0
BAR FO 81-225	7.7	7.7
SPARTAN	7.7	7.7
WALDINA	7.7	7.7
BILJART	7.3	7.3
ST-2 (SR 3000)	7.3	7.3
VALDA	7.3	7.3
AURORA	7.0	7.0
LOGRO	7.0	7.0
SCALDIS	7.0	7.0
4LS (BIGHORN)	6.3	6.3
CF-2 (VICTORY)	6.0	6.0
SHADOW	5.7	5.7
HF 9-3 (WEEKEND)	5.3	5.3
LOVISA	5.3	5.3
TAMARA	5.3	5.3
WILMA	5.3	5.3
KOKET	5.0	5.0
TATJANA	5.0	5.0
CHECKER	4.7	4.7
COMMODORE	4.7	4.7
EPSOM	4.7	4.7
FLYER	4.7	4.7
HIGHLIGHT	4.7	4.7
ATLANTA	4.3	4.3
BOREAL	4.3	4.3
IVALO	4.3	4.3
JAMESTOWN	4.3	4.3
MAGENTA	4.3	4.3
MARY	4.3	4.3
PENNLAWN	4.3	4.3
UNKNOWN	4.3	4.3
WALDORF	4.3	4.3
BEAUTY	4.0	4.0
430	3.7	3.7
ESTICA	3.7	3.7
LONGFELLOW	3.7	3.7
PERNILLE	3.7	3.7
ROBOT	3.7	3.7
BANNER	3.3	3.3
CENTER	3.3	3.3
CERES	3.0	3.0
ENJOY	3.0	3.0
RUBY	3.0	3.0
ENSYLVA	2.7	2.7
FRI-FRT 83-1	2.7	2.7
LSD VALUE	2.3	2.3

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

TABLE 19. MELTING OUT IN SPRING RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA  
 MELTING OUT RATINGS 1-9; 9=NO DISEASE 1/

NAME	UB1	MEAN
SPARTAN	9.0	9.0
ST-2 (SR 3000)	8.7	8.7
BILJART	8.3	8.3
LOVISA	8.3	8.3
RELIANT	8.3	8.3
SCALDIS	8.3	8.3
4LS (BIGHORN)	8.0	8.0
BAR FO 81-225	8.0	8.0
CENTER	8.0	8.0
AURORA	7.7	7.7
VALDA	7.7	7.7
WALDINA	7.7	7.7
BEAUTY	7.3	7.3
ATLANTA	7.0	7.0
MARY	7.0	7.0
ENJOY	6.7	6.7
EPSOM	6.7	6.7
ESTICA	6.3	6.3
FRI-FRT 83-1	6.3	6.3
MAGENTA	6.3	6.3
WALDORF	6.3	6.3
LOGRO	6.0	6.0
CERES	5.7	5.7
CF-2 (VICTORY)	5.7	5.7
LONGFELLOW	5.7	5.7
BOREAL	5.3	5.3
WILMA	5.3	5.3
FLYER	5.0	5.0
PERNILLE	5.0	5.0
WINTERGREEN	5.0	5.0
HF 9-3 (WEEKEND)	4.7	4.7
TAMARA	4.7	4.7
TATJANA	4.7	4.7
CHECKER	4.3	4.3
IVALO	4.3	4.3
RUBY	4.3	4.3
HIGHLIGHT	4.0	4.0
JAMESTOWN	3.7	3.7
ROBOT	3.7	3.7
430	3.3	3.3
BANNER	3.0	3.0
COMMODORE	3.0	3.0
ENSYLVA	3.0	3.0
KOKET	3.0	3.0
SHADOW	3.0	3.0
UNKNOWN	2.7	2.7
PENNLAWN	2.3	2.3
LSD VALUE	2.3	2.3

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

TABLE 20. LEAFSPOT RATINGS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA

LEAFSPOT RATINGS 1-9; 9=NO DISEASE 1/

NAME	IL1	UB1	MEAN
EPSOM	7.3	5.5	6.4
VALDA	6.3	6.5	6.4
4LS (BIGHORN)	7.0	5.5	6.3
BAR FO 81-225	6.7	5.7	6.2
AURORA	7.0	5.2	6.1
CENTER	5.7	6.3	6.0
WILMA	6.0	5.8	5.9
SCALDIS	6.0	5.3	5.7
ENJOY	6.0	5.2	5.6
LOVISA	5.7	5.5	5.6
BILJART	6.0	5.0	5.5
CHECKER	6.3	4.7	5.5
ST-2 (SR 3000)	6.0	5.0	5.5
FRI-FRT 83-1	7.3	3.5	5.4
LONGFELLOW	5.0	5.8	5.4
MARY	5.0	5.8	5.4
TAMARA	5.7	5.0	5.3
ESTICA	6.3	4.2	5.3
HF 9-3 (WEEKEND)	6.0	4.5	5.3
SPARTAN	5.7	4.8	5.3
WALDINA	6.0	4.5	5.3
BEAUTY	5.7	4.5	5.1
JAMESTOWN	5.7	4.5	5.1
RELIANT	5.3	4.8	5.1
WALDORF	5.0	5.0	5.0
MAGENTA	4.7	5.0	4.8
BANNER	5.3	4.0	4.7
CF-2 (VICTORY)	5.0	4.3	4.7
ATLANTA	4.3	4.7	4.5
SHADOW	5.0	4.0	4.5
WINTERGREEN	4.7	4.3	4.5
KOKET	5.7	3.2	4.4
PENNLAWN	5.0	3.8	4.4
430	4.7	3.7	4.2
BOREAL	4.7	3.7	4.2
CERES	4.7	3.7	4.2
FLYER	4.7	3.5	4.1
HIGHLIGHT	4.3	3.8	4.1
PERNILLE	5.3	2.7	4.0
IVALO	4.3	3.2	3.8
TATJANA	4.0	3.5	3.8
ROBOT	4.0	2.7	3.3
ENSYLVA	4.7	1.8	3.3
COMMODORE	3.3	2.5	2.9
RUBY	3.0	2.5	2.8
UNKNOWN	2.7	1.8	2.3
LSD VALUE	1.8	1.2	1.0

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

TABLE 21. DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA

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

NAME	NY1	UB1	MEAN
AURORA	8.0	8.0	8.0
BILJART	8.3	7.7	8.0
ST-2 (SR 3000)	8.0	7.5	7.8
4LS (BIGHORN)	.	7.7	7.7
SCALDIS	7.3	7.3	7.3
RELIANT	7.3	7.2	7.3
WALDINA	7.3	6.8	7.1
SPARTAN	6.3	7.7	7.0
TAMARA	9.0	5.0	7.0
WILMA	8.7	5.2	6.9
EPSOM	8.0	5.2	6.6
CHECKER	8.7	4.5	6.6
BAR FO 81-225	7.0	6.0	6.5
LONGFELLOW	7.3	5.5	6.4
MAGENTA	8.3	4.3	6.3
JAMESTOWN	7.7	4.7	6.2
CF-2 (VICTORY)	7.3	4.8	6.1
KOKET	9.0	3.2	6.1
VALDA	5.0	7.0	6.0
PENNLAWN	7.7	4.2	5.9
SHADOW	7.7	4.2	5.9
CENTER	6.7	5.0	5.8
BEAUTY	8.3	3.2	5.8
HIGHLIGHT	7.7	3.8	5.8
ATLANTA	8.0	3.3	5.7
WALDORF	7.7	3.7	5.7
IVALO	7.3	3.7	5.5
MARY	7.0	4.0	5.5
BANNER	6.7	4.2	5.4
ENJOY	8.3	1.8	5.1
LOVISA	7.0	3.0	5.0
UNKNOWN	6.0	3.8	4.9
COMMODORE	6.3	3.3	4.8
ENSYLVA	6.0	3.7	4.8
WINTERGREEN	7.3	2.3	4.8
HF 9-3 (WEEKEND)	6.7	2.8	4.8
PERNILLE	5.7	3.8	4.8
430	2.7	6.2	4.4
TATJANA	5.7	3.2	4.4
BOREAL	4.3	3.8	4.1
FRI-FRT 83-1	5.3	2.8	4.1
LOGRO	3.0	4.0	3.5
RUBY	3.7	3.2	3.4
CERES	3.0	3.5	3.3
FLYER	2.0	4.0	3.0
ROBOT	2.3	3.5	2.9
ESTICA	2.3	2.8	2.6
LSD VALUE	2.4	2.6	1.9

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

TABLE 22. RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA

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

NAME	NY1	NY2	OR1	OR2	UB1	VA1	WA3	MEAN
RELIANT	8.7	9.0	8.3	8.0	9.0	6.7	7.3	8.1
BILJART	9.0	9.0	8.0	7.5	9.0	6.3	7.7	8.1
WALDINA	8.7	9.0	8.0	7.8	9.0	7.0	6.7	8.0
ST-2 (SR 3000)	8.7	9.0	8.3	7.5	8.7	6.7	5.0	7.7
SPARTAN	6.7	9.0	8.7	7.8	9.0	6.0	6.0	7.6
AURORA	9.0	9.0	8.0	7.8	9.0	6.7	3.7	7.6
4LS (BIGHORN)	.	9.0	9.0	7.2	9.0	5.3	5.7	7.5
SCALDIS	9.0	9.0	8.7	7.8	9.0	6.3	2.3	7.5
WALDORF	8.0	8.7	7.3	6.8	9.0	6.3	6.0	7.5
EPSOM	8.3	7.7	8.0	7.2	8.7	5.7	5.7	7.3
VALDA	8.3	8.7	8.0	7.5	9.0	6.3	2.7	7.2
BAR FO 81-225	8.7	8.7	7.7	7.5	8.3	6.0	3.0	7.1
LOVISA	8.0	6.3	7.7	5.8	8.7	5.3	8.0	7.1
CF-2 (VICTORY)	7.7	9.0	7.0	6.8	8.7	4.3	5.7	7.0
TAMARA	7.7	8.3	7.3	6.2	8.7	4.7	6.0	7.0
CENTER	8.7	8.0	7.0	6.7	9.0	5.7	3.7	7.0
BEAUTY	7.7	8.0	7.0	5.3	9.0	6.0	5.3	6.9
MARY	8.3	8.0	6.3	6.3	9.0	4.3	6.0	6.9
ENJOY	8.0	8.3	5.7	6.2	8.7	5.7	5.7	6.9
MAGENTA	8.0	8.7	7.3	6.0	9.0	6.0	3.0	6.9
SHADOW	8.0	8.3	8.0	6.7	9.0	4.3	3.7	6.9
LONGFELLOW	7.0	9.0	6.7	5.7	9.0	5.0	5.0	6.8
HF 9-3 (WEEKEND)	7.0	7.3	8.7	7.0	9.0	4.7	3.3	6.7
PENNLAWN	6.7	8.3	7.7	6.5	9.0	5.0	3.7	6.7
JAMESTOWN	8.0	8.7	7.3	5.5	9.0	4.0	3.3	6.5
BANNER	8.0	8.3	6.3	6.0	9.0	4.7	3.0	6.5
IVALO	8.0	7.3	7.0	5.7	8.7	5.0	3.7	6.5
WILMA	6.7	8.7	6.7	5.5	8.0	4.7	4.3	6.4
BOREAL	8.0	8.3	5.0	5.0	8.7	4.3	4.7	6.3
LOGRO	8.0	1.0	6.7	7.0	9.0	6.0	6.0	6.2
CHECKER	6.3	6.3	7.3	5.2	8.3	5.7	4.3	6.2
KOKET	8.0	7.7	7.0	5.2	9.0	4.7	2.0	6.2
ATLANTA	7.3	5.7	6.3	5.7	9.0	3.7	5.0	6.1
ESTICA	6.7	4.7	6.3	5.5	8.0	4.0	7.0	6.0
430	7.3	7.7	6.3	4.8	6.7	3.3	6.0	6.0
HIGHLIGHT	7.3	4.7	7.3	5.8	9.0	5.0	2.7	6.0
WINTERGREEN	7.0	5.3	7.3	6.7	8.3	5.3	1.7	6.0
FLYER	7.7	7.7	8.0	4.2	5.0	3.0	6.0	5.9
UNKNOWN	4.7	9.0	5.3	4.7	7.7	5.0	5.0	5.9
TATJANA	6.7	5.7	7.3	5.8	8.7	4.3	2.0	5.8
COMMODORE	8.7	7.7	4.7	4.0	7.7	4.3	3.3	5.8
PERNILLE	6.0	7.7	5.7	4.7	7.3	4.7	4.3	5.8
FRI-FRT 83-1	5.0	4.7	6.3	5.2	6.7	5.7	6.7	5.7
ROBOT	5.7	7.7	5.7	4.0	9.0	5.3	2.7	5.7
RUBY	6.7	8.0	4.7	4.3	6.3	4.0	4.3	5.5
CERES	5.0	6.7	5.0	4.3	8.3	5.0	2.3	5.2
ENSYLVA	2.7	8.3	5.0	3.8	3.7	3.0	4.3	4.4
LSD VALUE	2.3	1.6	1.6	1.6	1.6	1.2	2.1	0.7

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

TABLE 23. FUSARIUM BLIGHT RATINGS OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA

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

NAME	MD1	MEAN
AURORA	8.0	8.0
RELIANT	8.0	8.0
BILJART	7.7	7.7
SPARTAN	7.7	7.7
BAR FO 81-225	7.3	7.3
4LS (BIGHORN)	7.0	7.0
ST-2 (SR 3000)	7.0	7.0
430	6.7	6.7
CENTER	6.3	6.3
CF-2 (VICTORY)	6.0	6.0
WALDINA	6.0	6.0
CERES	5.7	5.7
FLYER	5.7	5.7
LONGFELLOW	5.7	5.7
ROBOT	5.7	5.7
SCALDIS	5.7	5.7
RUBY	5.3	5.3
ENJOY	5.0	5.0
ENSYLVA	5.0	5.0
TATJANA	5.0	5.0
VALDA	5.0	5.0
BOREAL	4.7	4.7
COMMODORE	4.7	4.7
FRI-FRT 83-1	4.7	4.7
JAMESTOWN	4.7	4.7
TAMARA	4.7	4.7
UNKNOWN	4.7	4.7
EPSOM	4.3	4.3
ESTICA	4.3	4.3
KOKET	4.3	4.3
LOVISA	4.3	4.3
MARY	4.3	4.3
BANNER	4.0	4.0
CHECKER	4.0	4.0
HF 9-3 (WEEKEND)	4.0	4.0
PERNILLE	4.0	4.0
HIGHLIGHT	3.7	3.7
PENNLAWN	3.7	3.7
WINTERGREEN	3.7	3.7
ATLANTA	3.3	3.3
BEAUTY	3.3	3.3
SHADOW	3.3	3.3
WILMA	3.3	3.3
IVALO	2.7	2.7
MAGENTA	2.7	2.7
WALDORF	2.7	2.7
LSD VALUE	2.7	2.7

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

TABLE 24. POWDERY MILDEW RATINGS OF FINELEAF FESCUE CULTIVARS  
 1984-87 DATA  
 POWDERY MILDEW RATINGS 1-9; 9=NO DISEASE 1/

NAME	NJ1	MEAN
COMMODORE	7.7	7.7
FLYER	7.3	7.3
RUBY	7.3	7.3
PERNILLE	7.0	7.0
ROBOT	7.0	7.0
ESTICA	6.7	6.7
430	6.3	6.3
CF-2 (VICTORY)	6.3	6.3
ST-2 (SR 3000)	6.0	6.0
BOREAL	5.7	5.7
CERES	5.3	5.3
LOVISA	5.3	5.3
SHADOW	5.3	5.3
AURORA	5.0	5.0
BANNER	4.7	4.7
ENSYLVA	4.7	4.7
UNKNOWN	4.7	4.7
LOGRO	4.3	4.3
RELIANT	4.3	4.3
BILJART	4.0	4.0
SPARTAN	4.0	4.0
4LS (BIGHORN)	3.7	3.7
EPSOM	3.7	3.7
WALDORF	3.0	3.0
ATLANTA	2.7	2.7
FRI-FRT 83-1	2.7	2.7
MARY	2.7	2.7
TAMARA	2.7	2.7
HF 9-3 (WEEKEND)	2.3	2.3
KOKET	2.3	2.3
LONGFELLOW	2.3	2.3
SCALDIS	2.3	2.3
MAGENTA	2.0	2.0
IVALO	1.7	1.7
PENNLAWN	1.7	1.7
WILMA	1.7	1.7
CHECKER	1.3	1.3
HIGHLIGHT	1.3	1.3
TATJANA	1.3	1.3
BAR FO 81-225	1.0	1.0
BEAUTY	1.0	1.0
CENTER	1.0	1.0
ENJOY	1.0	1.0
JAMESTOWN	1.0	1.0
VALDA	1.0	1.0
WALDINA	1.0	1.0
WINTERGREEN	1.0	1.0
LSD VALUE	0.9	0.9

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

TABLE 25. POA ANNUA INVASION OF FINELEAF FESCUE CULTIVARS  
1984-87 DATA

POA INVASION RATINGS 1-9; 9=NONE 1/

NAME	WA3	MEAN
WINTERGREEN	9.0	9.0
ENJOY	8.3	8.3
FRI-FRT 83-1	8.3	8.3
ENSYLVA	8.0	8.0
ESTICA	8.0	8.0
KOKET	8.0	8.0
TAMARA	7.7	7.7
HIGHLIGHT	7.3	7.3
IVALO	7.3	7.3
LOGRO	7.3	7.3
MAGENTA	7.0	7.0
CHECKER	6.7	6.7
HF 9-3 (WEEKEND)	6.7	6.7
MARY	6.3	6.3
CENTER	6.0	6.0
CF-2 (VICTORY)	6.0	6.0
EPSOM	6.0	6.0
PERNILLE	6.0	6.0
SCALDIS	6.0	6.0
WILMA	6.0	6.0
ATLANTA	5.7	5.7
BEAUTY	5.7	5.7
LOVISA	5.3	5.3
SHADOW	5.0	5.0
SPARTAN	5.0	5.0
TATJANA	5.0	5.0
430	4.7	4.7
BAR FO 81-225	4.7	4.7
BOREAL	4.7	4.7
FLYER	4.7	4.7
VALDA	4.7	4.7
WALDORF	4.7	4.7
BILJART	4.0	4.0
RUBY	4.0	4.0
ST-2 (SR 3000)	4.0	4.0
AURORA	3.7	3.7
BANNER	3.7	3.7
CERES	3.7	3.7
PENNLAWN	3.7	3.7
RELIANT	3.7	3.7
WALDINA	3.7	3.7
4LS (BIGHORN)	3.3	3.3
ROBOT	3.3	3.3
COMMODORE	3.0	3.0
LONGFELLOW	3.0	3.0
JAMESTOWN	2.0	2.0
UNKNOWN	2.0	2.0
LSD VALUE	3.4	3.4

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