LOCATIONS SUBMITTING DATA FOR 1984-87

State	Location	Code
Arkansas	Fayetteville (full sun)	AR1
Arkansas	Fayetteville (partial shade)	AR2
Arizona	Tucson	AZ1
California	Riverside	CA3
Colorado	Fort Collins	CO1
District of Columbia	East Potomac Park	DC1
Georgia	Experiment	GA1
Idaho	Moscow	ID1
Kansas	Manhattan	KS1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Maryland	Beltsville	UB1
Maryland	Silver Spring	MD1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Missouri	Mt. Vernon	MO2
Mississippi	Mississippi State	MS1
Nebraska	Lincoln (high maintenance)	NE1
Nebraska	Lincoln (low maintenance)	NE2
New Jersey	Adelphia	NJ1
New Jersey	Adelphia	NJ2
New York	Ithaca	NY1
New York	Riverhead, Long Island	NY2
North Carolina	Raleigh	NC1
North Carolina	Asheville	NC3
Ohio	Columbus	OH1
Oklahoma	Stillwater (full sun)	OK1
Oklahoma	Stillwater (light shade)	OK2
Oklahoma	Stillwater (partial shade)	OK3
Oregon	Hubbard	OR1
Oregon	Corvallis	OR2
Rhode Island	Kingston	RI1
Texas	Dallas (non-irrigated, full sun)	TX1
Texas	Dallas (non-irrigated, shade)	TX2
Texas	Dallas (irrigated, full sun)	TX3
Virginia	Blacksburg	VA1
Virginia	Blackstone	VA2
Virginia	Norton	VA4
Virginia	Virginia Beach	VA5
Washington	Pullman	WA1
Washington	Puyallup	WA3

NATIONAL TALL FESCUE TEST, 1983

Entries and Sponsors

Entry No.	Name	Sponsor
1	Johnstone	Kentucky For Progress Coop
2	Rebel	Loft's Pedigreed Seed
3	Clemfine	Loft's Pedigreed Seed
4	Willamette	Willamette Seed & Grain
5	Mer Fa 83-1	Barenbrug Breeding
6	ISI.CJ (Pacer)	International Seeds, Inc.
7	Houndog	International Seeds, Inc.
8	Brookston	International Seeds, Inc.
9	Falcon	E. F. Burlingham & Sons
10	Maverick	Pickseed West, Inc.
11	Mustang	Pickseed West, Inc.
12	Adventure	Warren's Turf Nursery
13	TF 813 (Trident)	Seed Research of Oregon
14	Olympic	Turf-Seed, Inc.
15	Jaguar	Garfield Williamson, Inc.
16	Finelawn 5GL	Finelawn Research, Inc.
17	Apache	Turf-Seed, Inc.
18	5L4 (Bonanza)	Turf-Seed, Inc.
19	Finelawn I	Finelawn Research, Inc.
20	Kenhy	University of Kentucky
21	Ky-31	University of Kentucky
22	Syn-Ga-1	O. M. Scott & Sons
23	KS 78-4 (Chesapeake)	O. M. Scott & Sons
24	Arid	Jacklin Seed Co.
25	NK 81425	Northrup King Co.
26	NK 82508	Northrup King Co.
27	Tempo	NPI Seed, Inc.
28	Barcel	Jacklin Seed Co.
29	Festorina	Van der Have-Oregon
30	Unknown	-

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
AT FORTY-ONE LOCATIONS IN THE UNITED STATES
1984-87 DATA

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

	NAME	AR1	AR2	AZ1	CA3	CO1	DC1	GA1	ID1	KS1	KS2	KY1	MA1	MD1	MI1
*	ARID	4.8	5.0	4.0	6.5	8.3	5.8	5.8	7.0	7.3	7.2	6.6	4.9	6.7	6.1
*	JAGUAR	5.0	5.0	4.3	6.7	8.3	5.7	6.4	6.2	7.2	6.8	6.5	4.7	6.3	6.6
*	FINELAWN 5GL	5.0	4.8	6.3	6.4	8.2	5.9	6.7	6.5	6.5	7.0	6.5	4.8	6.7	6.7
*	OLYMPIC	5.5	4.5	5.3	6.5	8.1	5.0	6.0	6.6	6.8	7.2	6.4	4.7	6.5	6.0
	UNKNOWN	4.8	4.5	6.7	6.5	7.8	5.2	5.8	6.8	7.2	6.9	6.6	4.7	6.7	.
*	APACHE	5.6	5.2	4.0	6.5	8.4	5.6	6.1	6.7	7.5	7.2	6.6	4.9	5.9	6.7
*	5L4 (BONANZA)	5.6	4.6	4.3	6.4	7.9	6.4	6.3	7.0	7.4	7.1	6.1	4.7	6.4	6.2
	SYN-GA-1	5.0	4.1	4.0	6.3	7.8	5.0	6.1	6.5	7.0	6.8	6.2	5.0	6.1	6.0
*	REBEL	5.2	4.8	3.7	6.6	8.2	5.8	6.3	6.9	7.0	6.4	6.2	4.9	6.3	6.5
*	ADVENTURE	5.1	4.3	4.3	6.5	8.2	4.7	6.2	6.7	7.3	6.8	6.4	4.9	6.7	6.1
*	TF 813 (TRIDENT)	5.3	5.3	5.7	6.6	8.1	4.6	6.1	6.5	6.9	6.8	5.7	4.8	6.6	.
*	MUSTANG	5.4	4.9	4.7	6.6	8.0	5.1	5.7	6.7	7.1	7.0	6.5	4.9	6.9	5.8
*	FALCON	5.1	4.3	4.7	6.4	7.6	5.9	6.0	6.6	7.0	6.8	6.3	4.9	6.0	5.9
*	ISI.CJ (PACER)	5.6	4.9	5.3	6.1	7.9	5.1	6.1	6.4	7.2	6.7	6.4	4.5	6.2	5.7
*	FINELAWN I	4.9	4.5	4.7	5.9	7.8	6.2	6.4	6.5	6.9	6.4	6.0	4.7	6.4	5.7
*	HOUNDOG	5.0	4.6	4.0	6.3	8.0	5.1	5.4	6.4	7.2	6.7	6.1	4.8	6.7	6.0
*	MAVERICK	5.5	4.5	4.3	6.2	7.4	4.7	6.1	6.7	6.8	6.4	5.8	4.5	6.1	6.1
*	TEMPO	4.6	4.4	3.7	6.0	7.7	4.8	6.3	6.5	6.6	6.4	5.9	4.8	6.6	5.9
*	WILLAMETTE	5.4	4.4	3.7	6.2	7.4	4.7	6.2	6.6	6.7	6.6	6.2	4.8	6.1	5.6
*	BROOKSTON	5.0	4.2	4.3	6.4	7.4	4.7	6.2	5.9	6.8	6.4	6.2	4.6	5.6	5.4
	MER FA 83-1	5.0	4.3	6.3	5.3	7.6	5.2	6.4	5.7	6.5	5.8	5.5	4.6	5.7	5.0
*	CLEMFINE	4.7	4.1	4.3	5.6	7.5	5.1	5.9	5.7	6.3	6.0	5.8	4.6	5.7	5.5
*	KS 78-4 (CHESAPEAKE)	5.2	4.2	3.0	5.5	7.7	4.7	6.3	6.1	5.8	6.1	4.7	4.5	5.7	5.0
*	KY-31	5.0	4.6	3.0	5.3	7.4	5.2	6.5	5.8	6.6	5.8	5.5	4.7	5.3	5.1
	NK 82508	4.2	3.8	3.7	5.9	7.5	4.3	5.8	6.5	6.6	6.1	5.9	4.7	5.1	6.0
	FESTORINA	4.6	4.1	4.3	5.3	7.3	4.8	5.8	5.8	6.0	5.5	5.2	4.5	5.9	4.9
*	JOHNSTONE	4.4	4.0	3.7	5.3	7.4	4.5	5.7	5.5	6.3	5.8	5.3	4.6	5.3	5.1
*	BARCEL	4.4	3.9	3.0	5.6	7.3	4.0	6.3	5.9	6.0	5.7	5.1	4.5	5.5	4.5
	NK 81425	4.8	4.2	3.0	5.3	7.3	4.2	6.4	6.1	6.7	5.7	5.2	4.5	5.2	4.6
*	KENHY	4.3	4.3	3.7	.	5.7	3.6	6.4	6.2	6.1	5.1	3.5	4.3	5.2	5.4
	LSD VALUE	0.7	0.8	2.4	0.3	0.5	1.1	0.8	0.8	0.5	0.5	0.7	0.6	0.7	0.6

* COMMERCIALLY AVAILABLE VARIETY

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

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MO2	MS1	NC1	NC3	NE1	NE2	NJ1	NJ2	NY1	NY2	OH1	OK1	OK2	OK3
ARID	5.6	5.8	7.5	5.1	6.8	6.4	6.2	6.1	6.0	4.8	7.2	5.7	7.0	6.3
JAGUAR	4.6	5.5	7.4	5.0	6.9	6.3	6.0	5.9	6.0	4.7	6.8	5.5	5.9	3.3
FINELAWN 5GL	5.6	5.4	7.5	5.1	6.4	6.2	5.8	5.3	.	4.4	6.8	4.9	5.9	4.3
OLYMPIC	5.0	5.4	7.2	5.1	6.7	6.2	6.0	5.9	5.3	5.2	6.7	5.0	4.9	4.7
UNKNOWN	5.1	5.5	7.5	4.8	6.8	5.5	5.8	6.0	5.4	4.3	6.7	5.7	6.5	5.0
APACHE	5.0	5.7	7.7	5.2	6.5	6.1	6.5	6.3	5.1	4.6	7.3	4.5	5.9	4.7
5L4 (BONANZA)	4.9	5.4	7.2	4.7	6.1	5.6	6.8	6.6	5.8	4.8	7.3	4.6	5.0	4.0
SYN-GA-1	5.1	5.4	7.5	5.0	6.1	6.3	5.5	5.0	4.9	3.8	6.8	5.8	6.5	5.7
REBEL	4.9	5.4	7.5	5.1	6.8	6.0	5.7	5.4	5.8	4.4	6.8	5.6	6.7	1.5
ADVENTURE	4.5	5.4	7.4	4.6	6.6	6.1	5.8	5.9	5.8	4.0	6.3	5.1	6.7	3.0
TF 813 (TRIDENT)	4.6	5.4	7.4	4.6	6.6	6.2	5.9	5.8	.	.	6.2	.	7.0	4.7
MUSTANG	4.9	5.3	7.0	4.5	6.6	6.2	6.2	5.8	5.1	4.4	6.6	4.9	5.5	5.7
FALCON	5.0	5.3	7.3	4.8	6.0	6.0	5.2	5.4	5.8	4.4	6.7	5.6	6.9	3.7
ISI.CJ (PACER)	4.8	5.2	7.2	4.6	5.9	5.6	5.2	5.2	4.9	4.8	6.4	4.7	5.6	5.7
FINELAWN I	5.3	5.2	7.1	4.5	5.9	5.8	4.3	4.7	4.8	4.6	6.3	5.8	6.8	5.7
HOUNDOG	4.5	5.4	7.3	4.6	6.3	5.4	5.6	5.2	.	3.8	6.4	5.8	6.5	3.7
MAVERICK	4.9	5.3	7.0	4.9	6.2	5.8	5.5	5.2	4.5	4.1	6.6	5.2	5.9	3.3
TEMPO	4.7	5.3	7.1	4.9	6.1	5.7	4.4	4.1	5.2	4.5	5.9	5.2	5.9	5.3
WILLAMETTE	4.4	5.1	7.1	4.4	6.0	5.4	5.0	5.1	4.3	4.7	6.4	5.1	6.8	2.7
BROOKSTON	4.4	5.1	7.2	4.5	6.1	5.8	4.5	4.2	5.0	3.9	6.2	5.4	6.1	2.3
MER FA 83-1	4.7	5.3	6.4	4.6	5.6	5.3	3.1	3.0	4.6	3.7	6.2	5.2	6.1	4.3
CLEMFINE	5.5	5.5	7.0	4.6	5.0	5.6	3.8	3.4	4.9	3.5	6.2	5.2	5.5	3.7
KS 78-4 (CHESAPEAKE)	5.6	5.1	6.6	4.8	5.5	5.2	3.3	2.7	4.1	3.1	6.4	6.0	6.6	5.0
KY-31	5.0	4.9	6.4	4.8	5.5	5.1	3.0	2.9	4.8	3.3	6.1	5.7	6.0	5.3
NK 82508	3.2	4.6	6.6	4.1	5.8	5.6	4.6	3.8	4.8	3.8	6.0	4.3	4.7	4.0
FESTORINA	5.0	4.8	6.4	4.6	5.4	5.1	2.3	2.5	4.7	3.1	5.8	6.1	5.8	5.3
JOHNSTONE	4.4	5.1	6.8	4.5	5.0	5.2	3.1	2.8	4.5	3.1	6.0	5.5	4.5	3.3
BARCEL	4.6	4.9	6.1	4.4	5.6	5.1	2.9	2.9	.	3.4	6.4	5.7	5.1	3.7
NK 81425	4.1	5.1	6.1	3.9	5.3	5.2	2.8	2.6	3.9	3.7	5.7	5.3	6.0	4.7
KENHY	4.7	3.8	5.8	4.5	3.6	4.6	2.1	2.2	2.9	2.8	5.6	4.5	4.0	2.3
LSD VALUE	0.7	0.5	0.6	0.8	0.6	0.6	0.5	0.7	0.8	1.3	0.5	1.1	1.9	3.5

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

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	OR1	OR2	RI1	TX1	TX2	TX3	UB1	VA1	VA2	VA4	VA5	WA1	WA3	MEAN
ARID	6.9	6.1	5.5	5.4	5.4	5.3	6.5	5.5	5.5	3.9	6.4	6.2	6.7	6.1
JAGUAR	7.5	6.3	5.7	4.4	4.6	7.6	6.4	5.5	5.3	3.8	6.1	6.4	6.6	5.9
FINELAWN 5GL	6.7	5.8	5.5	5.7	5.2	6.0	6.1	5.3	4.7	3.6	6.0	6.2	6.2	5.9
OLYMPIC	6.9	5.6	5.9	4.9	4.8	7.5	6.6	5.5	5.3	3.7	5.7	6.3	5.9	5.8
UNKNOWN	6.2	5.3	5.5	4.6	4.7	7.4	5.9	5.5	5.0	3.7	5.8	6.3	6.3	5.8
APACHE	7.0	5.5	5.8	5.0	4.8	3.2	6.8	5.6	5.4	3.8	5.9	6.1	5.8	5.8
5L4 (BONANZA)	7.1	5.9	5.1	4.6	4.7	3.8	6.9	5.9	5.1	4.1	6.1	5.7	5.6	5.8
SYN-GA-1	6.3	5.4	5.9	5.7	4.6	7.6	5.5	5.2	5.0	3.9	5.9	6.1	6.5	5.7
REBEL	6.6	5.4	5.6	3.9	4.9	6.6	6.3	5.6	5.2	3.8	5.9	6.3	6.4	5.7
ADVENTURE	7.0	5.7	5.8	4.6	4.2	6.0	6.2	5.6	5.2	3.6	6.0	6.4	6.3	5.7
TF 813 (TRIDENT)	6.3	5.5	5.3	3.8	2.8	6.5	6.0	5.6	4.9	3.7	5.6	6.0	5.5	5.7
MUSTANG	6.1	5.7	5.5	5.0	3.1	6.0	6.2	5.3	5.0	3.5	5.8	6.4	5.8	5.7
FALCON	6.3	5.1	5.6	5.2	2.4	7.8	6.2	5.1	4.7	4.3	5.5	5.8	6.1	5.6
ISI.CJ (PACER)	6.0	5.3	5.5	5.2	5.1	7.9	6.0	4.7	4.8	3.8	5.5	5.6	5.2	5.6
FINELAWN I	5.9	4.9	5.5	4.5	4.4	7.6	6.3	5.0	5.1	4.0	5.5	5.9	5.8	5.6
HOUNDOG	6.0	5.3	5.0	4.6	4.5	6.7	6.2	5.2	4.6	3.9	5.5	6.3	5.8	5.6
MAVERICK	5.5	5.0	5.2	4.6	3.9	8.0	5.6	5.1	4.6	3.9	5.4	6.0	5.4	5.5
TEMPO	5.5	4.9	5.1	4.0	2.9	6.7	5.6	5.0	4.8	4.0	5.3	6.1	5.9	5.4
WILLAMETTE	5.6	5.3	4.7	4.3	3.7	7.4	5.4	4.6	4.3	3.8	5.3	5.9	6.0	5.3
BROOKSTON	5.2	4.9	5.2	4.1	1.8	7.9	5.4	4.3	4.2	3.5	5.0	5.8	5.1	5.2
MER FA 83-1	4.6	4.4	5.5	4.0	4.2	7.8	5.2	4.5	4.3	3.7	4.6	5.5	5.7	5.1
CLEMFINE	4.6	4.6	5.4	4.3	3.8	7.4	4.9	4.6	4.8	4.0	5.1	5.6	5.4	5.1
KS 78-4 (CHESAPEAKE)	4.8	4.1	4.6	5.4	3.7	7.3	5.2	4.4	4.7	3.9	4.9	5.4	4.6	5.1
KY-31	4.1	4.5	5.0	3.7	2.9	7.3	5.4	4.6	4.6	3.9	4.6	5.3	5.2	5.0
NK 82508	5.5	4.7	4.8	3.4	3.9	6.1	4.8	4.3	4.2	3.7	5.1	5.6	4.8	4.9
FESTORINA	3.1	4.3	4.8	3.8	2.7	6.8	4.4	4.1	4.3	4.4	4.2	5.4	4.9	4.8
JOHNSTONE	4.4	4.1	5.1	2.9	2.6	7.6	5.2	4.2	4.5	3.7	4.6	5.5	5.7	4.8
BARCEL	4.8	4.8	4.7	4.0	2.8	3.6	4.5	4.2	3.4	3.7	4.1	5.8	5.0	4.7
NK 81425	4.7	4.3	4.2	2.3	2.5	5.4	4.7	3.4	4.0	3.9	4.5	5.5	4.7	4.7
KENHY	3.4	2.8	3.8	2.7	2.9	7.3	5.1	.	4.2	3.9	3.7	5.3	3.2	4.2
LSD VALUE	0.3	0.4	0.9	1.1	1.3	0.8	0.6	0.4	0.5	0.6	0.6	0.5	0.6	0.1

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

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT FORTY-ONE LOCATIONS IN THE UNITED STATES 1984-87 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
ARID	5.5	6.1	6.2	6.1	6.2	6.2	6.0	5.9	6.1	6.1	6.1	6.0	6.0
JAGUAR	5.6	5.9	6.0	6.1	6.1	6.2	6.0	5.8	6.0	6.0	5.9	5.9	5.9
OLYMPIC	5.2	5.6	5.8	6.1	6.0	6.1	5.9	5.7	5.8	5.9	5.9	5.6	5.9
FINELAWN 5GL	5.2	5.6	5.9	6.1	5.9	6.1	5.8	5.7	5.8	5.8	5.8	5.7	5.9
APACHE	5.2	5.4	5.8	6.1	6.1	6.2	5.8	5.8	6.0	5.9	5.9	5.7	5.8
UNKNOWN	5.1	5.7	5.8	6.0	6.0	6.0	5.9	5.6	5.6	5.7	5.6	5.6	5.8
REBEL	5.4	5.7	5.9	5.9	5.8	6.0	5.8	5.7	5.9	5.9	5.8	5.7	5.8
5L4 (BONANZA)	5.2	5.4	5.8	6.0	6.1	6.1	5.7	5.6	6.0	5.8	5.9	5.9	5.8
ADVENTURE	5.5	5.7	5.8	5.9	5.8	6.1	5.9	5.6	5.7	5.8	5.7	5.6	5.8
SYN-GA-1	5.3	5.9	5.8	5.8	5.8	6.0	5.7	5.5	5.6	5.7	5.7	5.6	5.7
MUSTANG	4.9	5.6	5.6	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.5	5.3	5.7
TF 813 (TRIDENT)	5.0	5.5	5.6	5.7	5.8	5.9	5.9	5.6	5.7	5.7	5.5	5.5	5.7
FALCON	5.1	5.5	5.8	5.8	5.9	6.0	5.7	5.4	5.5	5.6	5.4	5.3	5.6
ISI.CJ (PACER)	4.8	5.3	5.6	5.7	5.7	5.8	5.6	5.5	5.5	5.5	5.3	5.2	5.6
HOUNDOG	5.0	5.4	5.5	5.6	5.7	5.8	5.7	5.4	5.5	5.6	5.5	5.4	5.6
FINELAWN I	4.8	5.5	5.7	5.7	5.7	5.8	5.5	5.3	5.3	5.4	5.4	5.1	5.6
MAVERICK	4.8	5.2	5.5	5.6	5.6	5.8	5.6	5.3	5.4	5.4	5.3	5.3	5.5
WILLAMETTE	4.9	5.2	5.4	5.5	5.6	5.7	5.5	5.1	5.3	5.2	5.1	5.3	5.4
TEMPO	5.1	5.4	5.5	5.4	5.3	5.5	5.4	5.2	5.3	5.3	5.3	5.0	5.4
BROOKSTON	4.6	5.1	5.3	5.5	5.5	5.6	5.2	4.9	5.0	5.0	5.0	4.8	5.2
CLEMFINE	4.8	5.2	5.3	5.1	5.1	5.4	5.1	4.9	4.9	5.0	5.0	4.7	5.1
MER FA 83-1	4.9	5.3	5.2	5.0	4.9	5.3	5.1	4.7	4.8	4.9	4.8	4.7	5.1
KS 78-4 (CHESAPEAKE)	4.5	5.1	5.0	5.0	5.0	5.2	5.0	4.8	4.8	5.0	4.8	4.7	5.0
KY-31	4.3	4.8	5.2	5.1	5.1	5.3	5.0	4.7	4.7	4.8	4.7	4.1	5.0
NK 82508	4.7	4.9	5.1	5.2	5.2	5.3	5.0	4.7	4.7	4.6	4.4	4.1	4.9
JOHNSTONE	4.7	4.6	5.0	4.9	5.0	5.2	4.8	4.5	4.5	4.6	4.6	4.2	4.8
FESTORINA	4.3	4.6	4.8	4.8	4.6	4.9	4.7	4.4	4.6	4.6	4.6	4.1	4.7
BARCEL	4.7	4.7	4.8	4.8	4.7	5.0	4.8	4.5	4.7	4.6	4.5	4.3	4.7
NK 81425	4.4	4.7	4.8	4.6	4.7	5.0	4.8	4.4	4.4	4.4	4.7	4.2	4.6
KENHY	3.2	3.4	4.0	4.1	4.2	4.3	4.3	3.9	4.0	4.2	4.1	3.7	4.2
LSD VALUE	0.7	0.5	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	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 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS AT FORTY-ONE LOCATIONS IN THE UNITED STATES 1/
1984-87 DATA

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

NAME	AR1	AR2	AZ1	CA3	CO1	DC1	GA1	ID1	KS1	KS2	KY1
ARID	23	3	18.5	6	2	5.0	24.0	1	4.0	1.0	1
JAGUAR	15	4	13.0	1	3	7.0	5.0	20	6.5	9.0	5
FINELAWN 5GL	19	7	2.5	11	4	3.5	1.0	13	23.5	6.0	6
OLYMPIC	5	12	5.5	5	7	16.5	22.0	11	15.5	3.0	9
UNKNOWN	22	13	1.0	8	14	10.0	25.0	4	6.5	7.0	3
APACHE	2	2	18.5	7	1	8.0	17.5	5	1.0	2.0	2
5L4 (BONANZA)	1	11	13.0	10	12	1.0	11.0	2	2.0	4.0	16
SYN-GA-1	13	27	18.5	14	13	16.5	19.0	15	11.0	10.5	12
REBEL	9	8	23.5	2	6	6.0	11.0	3	11.0	17.0	11
ADVENTURE	11	18	13.0	9	5	23.0	14.0	7	3.0	10.5	7
TF 813 (TRIDENT)	8	1	4.0	4	8	25.0	16.0	12	13.5	8.0	22
MUSTANG	7	6	8.0	3	9	12.5	28.0	8	9.0	5.0	4
FALCON	12	21	8.0	13	19	3.5	21.0	9	11.0	12.0	10
ISI.CJ (PACER)	3	5	5.5	18	11	14.5	17.5	18	6.5	13.0	8
FINELAWN I	20	15	8.0	21	15	2.0	7.0	14	13.5	16.0	17
HOUNDOG	18	10	18.5	15	10	12.5	30.0	19	6.5	14.0	15
MAVERICK	4	14	13.0	16	25	20.0	20.0	6	17.0	19.0	21
TEMPO	25	16	23.5	19	16	18.5	8.0	17	21.0	20.0	18
WILLAMETTE	6	17	23.5	17	24	23.0	15.0	10	18.5	15.0	14
BROOKSTON	17	24	13.0	12	23	21.0	13.0	25	15.5	18.0	13
MER FA 83-1	16	20	2.5	25	18	10.0	4.0	28	23.5	26.0	23
CLEMFINE	24	25	13.0	23	21	14.5	23.0	29	25.0	23.0	20
KS 78-4 (CHESAPEAKE)	10	23	28.5	24	17	23.0	11.0	22	30.0	22.0	29
KY-31	14	9	28.5	27	26	10.0	2.0	27	21.0	24.0	24
NK 82508	30	30	23.5	20	20	27.0	27.0	16	21.0	21.0	19
FESTORINA	26	26	13.0	28	28	18.5	26.0	26	28.5	29.0	27
JOHNSTONE	28	28	23.5	26	22	26.0	29.0	30	26.0	25.0	25
BARCEL	27	29	28.5	22	27	29.0	9.0	24	28.5	28.0	28
NK 81425	21	22	28.5	29	29	28.0	6.0	23	18.5	27.0	26
KENHY	29	19	23.5	.	30	30.0	3.0	21	27.0	30.0	30

TABLE 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE (CONT'D) CULTIVARS AT FORTY-ONE LOCATIONS IN THE UNITED STATES 1984-87 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	MA1	MD1	MI1	MO2	MS1	NC1	NC3	NE1	NE2	NJ1	NJ2
ARID	2	5	7.5	3.0	1.0	3.0	4.5	4	1.0	3	3
JAGUAR	17	12	3.0	22.0	5.0	9.0	6.0	1	3.0	6	7
FINELAWN 5GL	9	4	1.5	1.0	12.5	2.0	4.5	10	4.0	9	12
OLYMPIC	14	9	11.0	8.0	9.0	12.0	2.0	5	6.0	5	6
UNKNOWN	18	6	.	6.5	3.0	4.0	11.5	2	20.0	10	4
APACHE	7	19	1.5	12.0	2.0	1.0	1.0	9	9.0	2	2
5L4 (BONANZA)	16	11	5.0	15.0	7.0	13.0	14.0	16	18.0	1	1
SYN-GA-1	1	16	9.5	6.5	8.0	6.0	7.0	15	2.0	14	17
REBEL	5	13	4.0	16.0	6.0	5.0	3.0	3	11.0	11	10
ADVENTURE	3	3	6.0	25.0	10.0	7.0	20.5	6	8.0	8	5
TF 813 (TRIDENT)	11	8	.	21.0	12.5	8.0	17.0	7	7.0	7	9
MUSTANG	6	1	15.0	14.0	18.0	21.0	25.5	8	5.0	4	8
FALCON	4	18	13.5	10.0	14.0	10.0	13.0	17	10.0	16	11
ISI.CJ (PACER)	26	14	16.5	17.0	19.0	15.0	16.0	20	16.5	15	14
FINELAWN I	19	10	16.5	5.0	20.0	18.0	23.0	19	12.5	21	18
HOUNDOG	12	2	12.0	24.0	11.0	11.0	20.5	11	22.0	12	15
MAVERICK	27	17	7.5	13.0	15.0	20.0	8.5	12	14.0	13	13
TEMPO	10	7	13.5	20.0	17.0	17.0	8.5	14	15.0	20	20
WILLAMETTE	8	15	18.0	27.0	25.0	16.0	28.0	18	21.0	17	16
BROOKSTON	22	24	20.0	26.0	23.0	14.0	25.5	13	12.5	19	19
MER FA 83-1	23	23	25.0	19.0	16.0	25.5	15.0	22	23.0	25	23
CLEMFINE	20	21	19.0	4.0	4.0	19.0	18.5	29	16.5	22	22
KS 78-4 (CHESAPEAKE)	29	22	24.0	2.0	21.0	24.0	11.5	24	25.0	23	27
KY-31	13	27	23.0	9.0	26.0	27.0	10.0	25	27.0	26	25
NK 82508	15	30	9.5	30.0	29.0	23.0	29.0	21	19.0	18	21
FESTORINA	25	20	26.0	11.0	28.0	25.5	18.5	26	28.0	29	29
JOHNSTONE	21	26	22.0	28.0	22.0	22.0	22.0	28	26.0	24	26
BARCEL	28	25	28.0	23.0	27.0	28.0	27.0	23	29.0	27	24
NK 81425	24	28	27.0	29.0	24.0	29.0	30.0	27	24.0	28	28
KENHY	30	29	21.0	18.0	30.0	30.0	24.0	30	30.0	30	30

TABLE 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE (CONT'D) CULTIVARS AT FORTY-ONE LOCATIONS IN THE UNITED STATES 1984-87 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	NY1	NY2	OH1	OK1	OK2	OK3	OR1	OR2	RI1	TX1	TX2
ARID	2.0	4	3.0	6.0	1.0	1.0	5	2.0	12	3.0	1.0
JAGUAR	1.0	5	6.5	13.0	17.5	24.0	1	1.0	5	16.0	9.5
FINELAWN 5GL	.	12	6.5	23.5	17.5	15.5	7	4.0	13	1.5	2.0
OLYMPIC	8.0	1	9.0	22.0	27.0	12.5	6	7.0	2	9.0	5.0
UNKNOWN	7.0	14	9.0	8.0	10.0	9.5	12	15.0	14	10.5	7.0
APACHE	10.0	7	1.5	27.5	17.5	12.5	4	8.0	3	8.0	6.0
5L4 (BONANZA)	3.5	2	1.5	26.0	26.0	17.5	2	3.0	19	10.5	8.0
SYN-GA-1	13.0	20	4.5	4.5	9.0	3.5	9	10.5	1	1.5	9.5
REBEL	5.5	11	4.5	10.5	6.0	30.0	8	10.5	7	23.0	4.0
ADVENTURE	5.5	16	18.5	20.5	7.0	26.0	3	5.0	4	14.0	13.5
TF 813 (TRIDENT)	.	.	20.5	.	2.0	12.5	11	9.0	16	25.0	25.0
MUSTANG	11.0	10	11.0	23.5	24.0	3.5	13	6.0	9	7.0	20.0
FALCON	3.5	13	9.0	10.5	3.0	20.5	10	16.0	6	6.0	29.0
ISI.CJ (PACER)	14.5	3	15.5	25.0	22.0	3.5	15	13.0	11	5.0	3.0
FINELAWN I	17.5	8	18.5	3.0	4.0	3.5	16	19.0	8	15.0	12.0
HOUNDOG	.	18	13.0	4.5	11.0	20.5	14	14.0	22	12.5	11.0
MAVERICK	21.0	15	12.0	18.0	17.5	24.0	19	17.0	17	12.5	15.0
TEMPO	9.0	9	27.0	18.0	20.0	7.0	20	18.0	20	22.0	21.0
WILLAMETTE	23.0	6	15.5	20.5	5.0	27.0	17	12.0	27	18.0	18.0
BROOKSTON	12.0	17	20.5	14.0	12.5	28.5	21	20.0	18	19.0	30.0
MER FA 83-1	20.0	21	22.5	18.0	12.5	15.5	26	25.0	10	21.0	13.5
CLEMFINE	14.5	23	22.5	16.0	23.0	20.5	25	23.0	15	17.0	17.0
KS 78-4 (CHESAPEAKE)	24.0	27	15.5	2.0	8.0	9.5	23	28.0	28	4.0	19.0
KY-31	17.5	25	24.0	8.0	14.5	7.0	28	24.0	23	26.0	22.5
NK 82508	16.0	19	25.5	29.0	28.0	17.5	18	22.0	25	27.0	16.0
FESTORINA	19.0	27	28.0	1.0	21.0	7.0	30	26.0	24	24.0	26.0
JOHNSTONE	22.0	27	25.5	12.0	29.0	24.0	27	29.0	21	28.0	27.0
BARCEL	.	24	15.5	8.0	25.0	20.5	22	21.0	26	20.0	24.0
NK 81425	25.0	22	29.0	15.0	14.5	12.5	24	27.0	29	30.0	28.0
KENHY	26.0	29	30.0	27.5	30.0	28.5	29	30.0	30	29.0	22.5

TABLE 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE (CONT'D) CULTIVARS AT FORTY-ONE LOCATIONS IN THE UNITED STATES 1984-87 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	TX3	UB1	VA1	VA2	VA4	VA5	WA1	WA3	MEAN
ARID	27	4	6.0	1	8.0	1.0	8.0	1	1
JAGUAR	9	5	8.0	4	18.5	2.0	1.0	2	2
FINELAWN 5GL	23	12	10.0	16	27.0	4.5	9.0	7	3
OLYMPIC	10	3	9.0	3	21.0	11.0	7.0	10	4
UNKNOWN	12	15	7.0	9	23.5	10.0	6.0	6	5
APACHE	30	2	2.0	2	15.0	8.0	11.0	15	6
5L4 (BONANZA)	28	1	1.0	7	3.0	3.0	20.0	18	7
SYN-GA-1	8	18	12.5	10	12.5	6.5	10.0	3	8
REBEL	20	7	4.0	5	16.5	6.5	5.0	4	9
ADVENTURE	25	9	5.0	6	28.0	4.5	2.5	5	10
TF 813 (TRIDENT)	21	14	3.0	12	22.0	12.0	14.0	19	11
MUSTANG	24	11	11.0	11	29.5	9.0	2.5	13	12
FALCON	4	8	14.0	18	2.0	14.0	17.5	8	13
ISI.CJ (PACER)	3	13	18.0	14	16.5	15.5	23.0	22	14
FINELAWN I	6	6	17.0	8	4.0	15.5	15.0	12	15
HOUNDOG	18	10	12.5	19	11.0	13.0	4.0	14	16
MAVERICK	1	16	15.0	21	14.0	17.0	13.0	20	17
TEMPO	19	17	16.0	15	5.0	19.0	12.0	11	18
WILLAMETTE	13	19	20.0	25	18.5	18.0	16.0	9	19
BROOKSTON	2	20	24.0	26	29.5	22.0	17.5	24	20
MER FA 83-1	5	23	22.0	24	20.0	25.0	24.0	17	21
CLEMFINE	11	26	21.0	13	6.0	20.0	22.0	21	22
KS 78-4 (CHESAPEAKE)	16	22	23.0	17	8.0	23.0	28.0	29	23
KY-31	15	21	19.0	20	8.0	25.0	29.0	23	24
NK 82508	22	27	25.0	27	23.5	21.0	21.0	27	25
FESTORINA	17	30	28.0	23	1.0	28.0	27.0	26	26
JOHNSTONE	7	24	26.0	22	25.0	25.0	25.0	16	27
BARCEL	29	29	27.0	30	26.0	29.0	19.0	25	28
NK 81425	26	28	29.0	29	10.0	27.0	26.0	28	29
KENHY	14	25	.	28	12.5	30.0	30.0	30	30

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 FOUND IN TABLE 1.

2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. 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 TALL FESCUE CULTIVARS
AT FIVE SHADE LOCATIONS IN THE UNITED STATES
1984-87 DATA

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

NAME	AR2	OK2	OK3	TX2	VA5	MEAN
ARID	5.0	7.0	6.3	5.4	6.4	6.0
FINELAWN I	4.5	6.8	5.7	4.4	5.5	5.4
ISI.CJ (PACER)	4.9	5.6	5.7	5.1	5.5	5.4
SYN-GA-1	4.1	6.5	5.7	4.6	5.9	5.3
APACHE	5.2	5.9	4.7	4.8	5.9	5.3
UNKNOWN	4.5	6.5	5.0	4.7	5.8	5.3
FINELAWN 5GL	4.8	5.9	4.3	5.2	6.0	5.3
TF 813 (TRIDENT)	5.3	7.0	4.7	2.8	5.6	5.0
MUSTANG	4.9	5.5	5.7	3.1	5.8	5.0
JAGUAR	5.0	5.9	3.3	4.6	6.1	5.0
HOUNDOG	4.6	6.5	3.7	4.5	5.5	4.9
OLYMPIC	4.5	4.9	4.7	4.8	5.7	4.9
KS 78-4 (CHESAPEAKE)	4.2	6.6	5.0	3.7	4.9	4.9
ADVENTURE	4.3	6.7	3.0	4.2	6.0	4.9
5L4 (BONANZA)	4.6	5.0	4.0	4.7	6.1	4.8
TEMPO	4.4	5.9	5.3	2.9	5.3	4.8
REBEL	4.8	6.7	1.5	4.9	5.9	4.8
MER FA 83-1	4.3	6.1	4.3	4.2	4.6	4.7
KY-31	4.6	6.0	5.3	2.9	4.6	4.7
MAVERICK	4.5	5.9	3.3	3.9	5.4	4.6
WILLAMETTE	4.4	6.8	2.7	3.7	5.3	4.6
FALCON	4.3	6.9	3.7	2.4	5.5	4.6
CLEMFINE	4.1	5.5	3.7	3.8	5.1	4.5
FESTORINA	4.1	5.8	5.3	2.7	4.2	4.4
NK 81425	4.2	6.0	4.7	2.5	4.5	4.4
NK 82508	3.8	4.7	4.0	3.9	5.1	4.3
BARCEL	3.9	5.1	3.7	2.8	4.1	3.9
BROOKSTON	4.2	6.1	2.3	1.8	5.0	3.9
JOHNSTONE	4.0	4.5	3.3	2.6	4.6	3.8
KENHY	4.3	4.0	2.3	2.9	3.7	3.5
LSD VALUE	0.8	1.9	3.5	1.3	0.6	0.6

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

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL 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
ARID	5.9	6.1	6.2	5.9	6.0
JAGUAR	5.8	6.0	6.1	5.9	5.9
OLYMPIC	5.8	6.0	6.0	5.7	5.9
FINELAWN 5GL	5.8	6.0	6.0	5.7	5.9
APACHE	5.7	5.9	6.0	5.8	5.8
UNKNOWN	5.9	5.8	5.8	5.6	5.8
REBEL	5.6	5.9	5.9	5.8	5.8
5L4 (BONANZA)	5.5	5.9	6.0	5.8	5.8
ADVENTURE	5.7	5.8	5.8	5.7	5.8
SYN-GA-1	5.7	5.9	5.8	5.5	5.7
MUSTANG	5.6	5.8	5.7	5.7	5.7
TF 813 (TRIDENT)	5.6	5.9	5.6	5.6	5.7
FALCON	5.6	5.7	5.6	5.5	5.6
ISI.CJ (PACER)	5.7	5.7	5.6	5.3	5.6
HOUNDOG	5.5	5.7	5.6	5.5	5.6
FINELAWN I	5.7	5.6	5.5	5.3	5.6
MAVERICK	5.4	5.6	5.5	5.4	5.5
WILLAMETTE	5.3	5.5	5.3	5.3	5.4
TEMPO	5.3	5.5	5.4	5.3	5.4
BROOKSTON	5.2	5.3	5.2	5.1	5.2
CLEMFINE	5.2	5.2	5.0	5.0	5.1
MER FA 83-1	5.2	5.2	4.9	4.9	5.1
KS 78-4 (CHESAPEAKE)	5.0	5.2	5.0	4.9	5.0
KY-31	5.1	5.1	4.8	4.7	5.0
NK 82508	5.1	5.1	4.8	4.7	4.9
JOHNSTONE	4.9	4.9	4.6	4.6	4.8
FESTORINA	4.9	4.9	4.6	4.5	4.7
BARCEL	4.6	4.8	4.6	4.9	4.7
NK 81425	4.7	4.7	4.5	4.5	4.6
KENHY	4.1	4.5	4.2	4.2	4.2
LSD VALUE	0.4	0.4	0.4	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 6. SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

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

NAME	KS2	MD1	MO2	NJ1	NJ2	RI1	VA1	WA1	WA3	MEAN
MAVERICK	6.0	5.7	6.4	7.0	5.7	4.0	7.0	5.5	5.0	5.8
ISI.CJ (PACER)	6.3	5.0	7.3	7.7	6.3	3.3	6.7	5.7	3.3	5.7
FINELAWN I	6.3	5.3	6.2	5.7	5.7	4.0	6.7	5.5	6.0	5.7
NK 82508	7.0	5.0	5.2	6.7	7.0	3.7	6.7	5.2	4.7	5.7
5L4 (BONANZA)	5.3	4.3	5.8	8.0	7.7	3.0	7.3	6.0	3.3	5.6
HOUNDOG	5.7	5.3	6.0	7.0	6.0	3.3	7.0	5.7	4.3	5.6
APACHE	6.0	4.3	5.4	7.3	6.7	3.3	6.7	6.0	4.3	5.6
REBEL	6.3	5.0	4.8	6.3	6.7	3.3	6.7	5.5	5.3	5.5
ARID	5.0	4.7	7.2	6.3	6.3	3.3	6.3	5.3	5.3	5.5
UNKNOWN	5.7	5.0	4.9	7.0	6.7	3.0	7.0	5.7	4.3	5.5
TF 813 (TRIDENT)	5.3	5.3	4.7	8.0	6.0	4.0	7.0	5.2	3.7	5.5
JOHNSTONE	8.3	5.0	6.9	3.0	3.0	6.0	4.7	5.0	7.0	5.4
MUSTANG	5.7	4.7	5.7	7.0	6.3	3.7	6.7	5.8	3.3	5.4
MER FA 83-1	7.3	5.3	5.1	4.0	4.3	4.3	5.7	5.0	7.7	5.4
FALCON	6.7	5.7	4.7	6.3	5.7	4.0	6.0	5.3	4.3	5.4
KY-31	7.7	5.0	7.0	3.7	3.7	5.3	5.7	4.7	6.0	5.4
ADVENTURE	5.7	5.7	4.8	6.0	6.3	3.3	6.3	5.2	5.0	5.4
OLYMPIC	4.7	4.3	5.4	7.0	7.0	3.3	7.0	5.8	3.7	5.4
WILLAMETTE	6.0	5.7	5.1	6.0	5.3	4.3	5.7	5.2	5.0	5.4
TEMPO	4.3	5.0	6.0	6.0	4.7	3.7	6.3	5.3	6.7	5.3
CLEMFINE	7.3	5.7	5.6	3.3	3.0	4.7	5.3	5.0	6.7	5.2
KENHY	8.0	5.7	6.6	2.0	2.0	5.7	.	5.0	6.0	5.1
JAGUAR	5.3	5.0	4.2	6.7	6.0	3.3	6.3	5.5	3.3	5.1
SYN-GA-1	5.7	5.0	4.6	5.0	5.0	4.0	6.0	5.2	5.3	5.1
BROOKSTON	6.3	4.7	4.4	6.3	5.3	4.3	6.0	5.2	3.0	5.1
FESTORINA	4.7	5.7	6.6	4.3	5.0	3.7	6.0	5.3	4.3	5.1
FINELAWN 5GL	5.0	4.7	5.0	6.0	5.0	3.3	6.7	5.5	4.0	5.0
BARCEL	4.0	4.3	6.0	4.3	4.7	4.0	6.0	5.3	4.0	4.7
KS 78-4 (CHESAPEAKE)	6.0	4.3	6.7	3.3	3.7	3.0	5.7	5.0	4.3	4.7
NK 81425	7.0	4.3	4.8	2.3	3.0	4.3	4.0	4.0	6.3	4.5
LSD VALUE	1.7	0.8	0.8	1.2	1.3	1.2	0.7	0.8	1.8	0.4

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

TABLE 7. GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

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

NAME	AR1	AR2	AZ1	CA3	CO1	ID1	KS2	MD1	MO2
5L4 (BONANZA)	7.3	7.5	8.3	7.0	8.7	7.1	7.7	6.0	7.8
TF 813 (TRIDENT)	6.3	6.8	8.3	7.0	8.7	6.8	7.7	6.7	6.9
APACHE	6.7	6.5	9.0	7.0	8.8	7.0	7.0	6.7	6.8
OLYMPIC	6.0	6.2	9.0	7.0	9.0	6.6	8.0	6.7	6.9
UNKNOWN	6.0	6.0	8.7	7.0	8.7	6.9	7.0	6.3	6.8
MUSTANG	6.8	5.7	8.0	7.0	8.7	6.8	7.3	6.7	7.1
JAGUAR	6.3	6.5	7.3	6.7	8.7	6.6	6.3	7.0	6.4
ADVENTURE	6.3	5.8	7.3	6.7	8.5	6.7	8.0	7.3	7.3
ISI.CJ (PACER)	6.2	6.5	8.0	6.7	8.5	6.4	7.0	6.7	7.2
REBEL	6.5	5.8	7.0	6.7	8.3	7.0	7.0	7.3	7.1
ARID	5.8	5.5	7.0	7.0	8.7	6.7	7.7	6.3	6.4
FINELAWN 5GL	6.3	5.8	8.3	6.7	8.7	6.6	6.7	6.7	7.4
HOUNDOG	5.3	5.7	7.0	6.3	8.7	6.8	7.0	6.7	6.4
WILLAMETTE	5.8	5.5	7.3	6.7	8.2	6.9	7.3	7.0	6.3
MAVERICK	5.5	5.8	6.3	6.3	8.5	6.7	7.3	6.3	6.5
NK 82508	6.3	5.3	6.7	6.0	8.5	6.6	6.0	6.7	6.4
FALCON	6.0	5.7	8.0	6.7	7.8	6.6	6.7	6.7	6.3
FINELAWN I	5.5	5.3	7.0	6.7	8.2	7.1	6.3	6.0	6.8
SYN-GA-1	5.7	4.7	7.0	6.3	8.2	6.7	6.3	6.0	6.9
TEMPO	5.5	5.5	6.3	6.7	8.2	6.3	7.0	7.0	6.3
BROOKSTON	6.2	5.5	6.0	6.0	8.0	6.0	5.7	6.3	6.1
FESTORINA	4.8	4.3	5.7	5.3	8.2	5.8	7.0	7.0	5.6
KS 78-4 (CHESAPEAKE)	4.8	4.8	4.7	5.7	8.3	5.9	4.3	5.7	5.9
MER FA 83-1	4.7	4.5	6.3	5.0	7.8	5.9	4.3	6.3	6.0
BARCEL	4.8	4.7	3.0	5.0	7.7	6.1	6.0	6.7	6.1
CLEMFINE	5.0	4.0	4.7	5.3	8.0	6.0	5.7	6.0	5.3
JOHNSTONE	5.2	3.7	5.0	5.3	7.7	5.9	4.7	6.0	5.6
KENHY	4.3	4.2	4.0	.	7.8	6.3	5.7	6.3	5.1
KY-31	5.2	4.0	4.0	5.3	7.5	6.1	6.0	6.3	5.6
NK 81425	5.3	4.5	3.7	5.0	7.8	5.6	4.3	6.3	4.8
LSD VALUE	0.9	0.9	2.2	0.8	0.6	0.6	1.3	0.8	0.8

TABLE 7. GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) 1984-87 DATA

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

NAME	NE1	NE2	NJ1	NJ2	OH1	WA1	WA3	MEAN
5L4 (BONANZA)	6.7	6.3	8.0	8.0	7.7	6.0	6.9	7.3
TF 813 (TRIDENT)	6.8	6.7	8.0	7.7	7.0	7.7	7.9	7.3
APACHE	6.5	6.0	7.3	6.7	7.7	7.7	7.0	7.1
OLYMPIC	6.3	6.3	7.7	6.7	7.3	7.7	6.8	7.1
UNKNOWN	7.0	6.3	8.0	7.0	6.3	7.7	7.6	7.1
MUSTANG	6.2	6.0	7.3	7.0	6.3	8.0	7.4	7.0
JAGUAR	6.5	6.7	6.7	7.0	7.3	8.3	7.3	7.0
ADVENTURE	6.3	6.0	6.7	6.3	7.0	7.3	6.7	6.9
ISI.CJ (PACER)	6.2	6.2	8.0	7.3	6.3	6.7	6.4	6.9
REBEL	6.3	5.7	7.7	6.3	6.7	7.3	7.1	6.9
ARID	6.3	6.3	7.0	6.7	7.0	7.7	7.2	6.8
FINELAWN 5GL	6.3	5.8	5.7	6.0	6.7	7.0	7.2	6.7
HOUNDOG	6.2	6.0	7.3	6.7	6.3	7.0	6.9	6.6
WILLAMETTE	5.8	5.7	6.7	6.3	6.7	6.7	7.3	6.6
MAVERICK	6.2	5.7	7.3	6.3	6.7	7.7	6.2	6.6
NK 82508	6.2	6.0	7.7	6.7	6.0	7.7	6.6	6.6
FALCON	5.8	6.0	7.0	5.7	6.3	6.0	6.2	6.5
FINELAWN I	5.8	6.0	6.3	6.3	6.3	6.7	6.2	6.4
SYN-GA-1	5.7	6.2	6.7	5.0	6.3	7.0	6.9	6.3
TEMPO	5.7	6.2	5.7	5.3	6.0	7.0	6.7	6.3
BROOKSTON	6.0	6.0	5.3	5.7	6.3	7.0	5.9	6.1
FESTORINA	5.2	5.7	5.3	4.3	5.3	6.7	5.9	5.8
KS 78-4 (CHESAPEAKE)	5.2	5.2	5.0	4.3	6.3	7.3	5.3	5.6
MER FA 83-1	5.0	5.0	4.7	4.3	6.0	6.7	6.0	5.5
BARCEL	5.5	4.8	4.3	3.7	6.0	7.0	4.7	5.4
CLEMFINE	4.5	5.3	4.7	4.3	5.7	6.0	5.4	5.4
JOHNSTONE	4.7	5.0	4.0	3.7	6.3	6.3	6.6	5.3
KENHY	4.7	4.8	5.3	4.7	6.0	6.0	4.9	5.3
KY-31	4.7	5.0	4.7	4.0	6.0	5.7	5.0	5.3
NK 81425	4.5	5.2	3.3	3.3	6.0	6.3	4.7	5.0
LSD VALUE	0.5	0.6	1.1	0.9	0.8	1.6	1.0	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 8. WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

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

NAME	RI1	VA2	VA4	WA3	MEAN
5L4 (BONANZA)	1.7	7.7	8.0	6.7	6.0
APACHE	1.7	6.7	7.7	7.0	5.8
OLYMPIC	1.8	6.0	6.7	7.0	5.4
MUSTANG	2.0	6.3	6.7	6.3	5.3
FALCON	2.0	6.0	6.3	6.7	5.3
TF 813 (TRIDENT)	1.8	6.7	6.7	5.7	5.2
HOUNDOG	2.0	5.7	7.0	6.0	5.2
REBEL	2.0	6.0	6.7	6.0	5.2
ISI.CJ (PACER)	1.5	6.3	6.7	6.0	5.1
MAVERICK	2.2	6.0	5.7	6.7	5.1
JAGUAR	1.8	6.0	5.3	7.0	5.0
UNKNOWN	1.8	6.3	5.7	6.3	5.0
FINELAWN 5GL	1.8	5.7	7.3	5.0	5.0
WILLAMETTE	2.0	5.7	6.0	6.0	4.9
ADVENTURE	2.2	6.0	4.7	6.7	4.9
FINELAWN I	1.8	6.0	5.7	5.7	4.8
CLEMFINE	2.8	5.7	5.3	5.3	4.8
ARID	1.7	5.3	6.0	5.7	4.7
FESTORINA	2.7	5.0	4.7	6.0	4.6
TEMPO	2.0	5.3	5.0	6.0	4.6
NK 82508	2.2	5.3	4.7	6.0	4.5
BROOKSTON	2.0	5.7	5.3	5.0	4.5
JOHNSTONE	2.7	5.3	5.0	5.0	4.5
SYN-GA-1	2.2	5.7	5.0	5.0	4.5
KENHY	2.7	4.7	4.7	5.7	4.4
KY-31	2.7	5.3	5.0	4.7	4.4
MER FA 83-1	2.0	4.7	5.0	5.0	4.2
BARCEL	2.5	4.3	4.7	4.7	4.0
KS 78-4 (CHESAPEAKE)	1.8	5.0	4.7	4.7	4.0
NK 81425	2.0	5.3	4.0	4.0	3.8
LSD VALUE	0.6	1.0	1.4	1.8	0.5

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

TABLE 9. LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

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

NAME	CA3	CO1	ID1	KS2	MO2	OH1	OK1	OK3	WA3	MEAN
JAGUAR	7.3	9.0	4.3	6.7	5.8	7.0	8.0	4.3	7.8	6.7
ARID	5.7	9.0	4.6	7.3	5.7	6.3	6.3	5.3	8.0	6.5
ISI.CJ (PACER)	5.3	8.3	4.9	7.0	6.1	6.3	6.7	6.3	6.5	6.4
UNKNOWN	6.0	8.7	5.0	7.0	5.5	6.0	6.0	5.7	7.3	6.4
MUSTANG	6.0	8.7	4.7	6.7	5.9	6.7	6.0	5.7	6.8	6.3
FINELAWN 5GL	5.7	8.8	4.8	6.3	7.1	7.0	5.3	4.7	6.8	6.3
HOUNDOG	5.3	8.3	4.7	6.7	5.3	6.3	7.0	5.7	6.8	6.2
ADVENTURE	6.7	8.8	4.8	6.7	5.7	6.3	6.0	4.0	7.2	6.2
TF 813 (TRIDENT)	6.3	8.8	4.6	6.0	6.4	6.7	.	4.7	6.2	6.2
APACHE	6.3	8.8	4.3	6.3	5.0	6.0	5.3	6.0	7.3	6.2
REBEL	6.0	8.7	4.6	7.0	5.8	6.3	7.3	2.5	7.3	6.2
WILLAMETTE	5.7	8.8	4.4	7.7	6.4	6.7	6.0	3.0	6.7	6.2
OLYMPIC	6.0	8.5	4.4	5.7	5.5	7.0	6.7	4.7	6.8	6.1
FALCON	6.0	8.5	4.2	6.7	5.7	6.3	5.7	5.3	6.5	6.1
5L4 (BONANZA)	6.0	8.5	4.9	5.3	5.3	6.0	7.3	4.7	6.7	6.1
SYN-GA-1	5.3	8.8	3.9	5.3	5.9	6.7	4.3	5.7	7.8	6.0
BROOKSTON	5.3	9.0	4.5	7.0	5.8	6.7	6.0	3.0	6.5	6.0
NK 81425	4.0	9.0	4.1	8.0	5.7	6.3	7.0	4.7	4.7	5.9
NK 82508	5.0	8.3	4.7	6.7	6.3	6.0	4.3	5.0	6.5	5.9
FINELAWN I	5.3	8.8	4.2	5.7	5.0	6.0	6.0	5.3	6.3	5.9
TEMPO	5.3	8.0	4.2	5.3	6.4	6.3	5.0	5.3	6.3	5.8
MER FA 83-1	5.3	8.3	4.2	7.0	5.4	6.3	4.7	4.7	5.7	5.7
MAVERICK	6.0	8.0	4.1	6.7	5.7	6.0	5.7	3.0	6.5	5.7
BARCEL	5.3	8.7	4.4	6.0	5.5	6.0	5.3	4.3	5.7	5.7
FESTORINA	5.0	8.2	4.3	6.0	4.9	5.7	5.0	6.7	5.2	5.7
CLEMFINE	4.7	8.5	4.1	6.3	4.7	6.3	5.0	4.0	6.5	5.6
KS 78-4 (CHESAPEAKE)	4.0	8.0	3.9	4.3	6.3	6.0	6.0	5.3	5.5	5.5
KY-31	4.0	7.8	4.1	6.0	6.7	5.0	4.3	5.0	6.3	5.5
JOHNSTONE	4.0	8.0	4.2	4.7	5.2	5.7	3.3	4.0	7.0	5.1
KENHY	.	5.7	3.3	4.0	3.7	5.7	4.0	3.7	3.7	4.2
LSD VALUE	1.0	0.5	0.8	1.2	1.0	0.7	1.8	4.2	1.1	0.4

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

TABLE 10. SEEDLING VIGOR RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

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

NAME	ID1	MO2	OK3	WA1	MEAN
SYN-GA-1	7.2	7.0	7.7	6.0	7.0
JOHNSTONE	7.5	6.0	8.0	5.3	6.7
KY-31	7.8	6.0	6.7	5.7	6.5
WILLAMETTE	7.5	6.7	6.7	5.3	6.5
ARID	7.7	5.7	7.0	5.3	6.4
ADVENTURE	7.3	6.3	7.0	5.0	6.4
NK 81425	8.3	6.0	5.3	5.7	6.3
FINELAWN I	6.0	6.0	7.3	6.0	6.3
HOUNDOG	6.2	6.7	7.0	5.3	6.3
BROOKSTON	6.3	7.0	6.0	5.3	6.2
CLEMFINE	6.0	6.0	6.3	6.3	6.2
OLYMPIC	4.8	6.0	7.3	5.7	6.0
REBEL	6.2	6.0	5.5	6.0	5.9
KS 78-4 (CHESAPEAKE)	6.2	6.0	6.7	4.7	5.9
UNKNOWN	6.5	6.7	6.7	3.7	5.9
MUSTANG	6.7	5.3	5.7	5.7	5.8
MER FA 83-1	7.8	4.7	6.0	4.7	5.8
FESTORINA	6.3	6.3	5.0	5.3	5.8
FALCON	5.8	6.0	5.7	5.3	5.7
JAGUAR	5.3	6.7	7.0	3.7	5.7
ISI.CJ (PACER)	4.5	6.0	7.0	5.0	5.6
TEMPO	5.3	6.3	5.3	5.3	5.6
MAVERICK	5.8	6.3	4.7	4.7	5.4
BARCEL	5.7	5.0	5.7	4.7	5.3
FINELAWN 5GL	5.8	5.3	5.3	4.3	5.2
TF 813 (TRIDENT)	4.7	6.0	6.7	3.3	5.2
APACHE	4.3	6.0	5.0	4.7	5.0
NK 82508	5.2	5.0	5.0	3.7	4.7
5L4 (BONANZA)	3.8	5.3	4.7	5.0	4.7
KENHY	2.7	4.7	3.3	4.3	3.8
LSD VALUE	1.7	1.9	2.8	2.0	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 11. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM 1/

NAME	AZ1	CO1	MO2	MS1	OH1	WA3	MEAN
ARID	4.7	8.0	7.6	6.6	6.7	8.2	6.9
UNKNOWN	6.3	7.7	6.8	5.9	6.0	7.7	6.7
ISI.CJ (PACER)	6.0	7.7	7.3	5.7	6.0	7.7	6.7
APACHE	5.7	7.3	6.6	6.4	6.7	7.2	6.6
FALCON	5.3	7.7	7.4	5.8	6.0	7.5	6.6
FINELAWN 5GL	5.0	7.7	7.4	6.1	6.3	6.8	6.6
JAGUAR	5.0	7.3	7.0	6.4	6.0	7.5	6.5
OLYMPIC	4.3	7.7	7.3	5.8	6.3	7.5	6.5
MER FA 83-1	5.7	7.3	7.1	5.7	5.7	7.5	6.5
ADVENTURE	4.3	8.0	6.6	5.8	6.0	8.2	6.5
SYN-GA-1	4.3	7.7	6.8	5.8	6.0	7.7	6.4
MUSTANG	4.7	8.0	7.3	5.7	6.0	6.7	6.4
5L4 (BONANZA)	4.7	7.0	7.7	5.9	6.7	6.2	6.3
REBEL	4.7	8.0	6.0	5.8	6.0	7.3	6.3
JOHNSTONE	5.3	7.7	6.7	5.3	5.7	7.0	6.3
MAVERICK	4.3	7.7	6.8	5.7	6.0	7.2	6.3
FINELAWN I	3.7	7.3	7.8	5.7	6.0	7.0	6.2
WILLAMETTE	4.7	7.7	6.3	5.8	5.7	7.2	6.2
TF 813 (TRIDENT)	5.3	6.7	7.6	5.7	5.7	6.2	6.2
HOUNDOG	4.0	7.3	7.3	5.8	5.7	6.8	6.2
BROOKSTON	5.0	7.7	6.3	5.8	5.0	7.0	6.1
CLEMFINE	3.7	7.7	7.5	5.8	5.0	7.0	6.1
TEMPO	4.0	7.3	6.9	5.7	4.7	7.7	6.0
KS 78-4 (CHESAPEAKE)	3.0	7.7	7.5	5.3	6.0	6.3	6.0
FESTORINA	4.3	7.3	6.5	5.4	5.3	6.7	5.9
KY-31	4.0	7.3	6.4	5.4	6.0	6.3	5.9
NK 82508	4.3	7.7	5.0	5.3	5.3	6.8	5.8
BARCEL	3.3	6.7	6.9	5.3	6.0	6.2	5.7
NK 81425	5.3	7.0	5.3	5.6	4.3	6.7	5.7
KENHY	2.7	6.0	6.3	3.9	5.3	5.2	4.9
LSD VALUE	2.1	0.9	1.2	0.6	1.1	1.3	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 12. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM 1/

NAME	CO1	ID1	KS2	MO2	MS1	OH1	WA3	MEAN
ARID	8.7	6.7	7.0	5.9	6.6	7.3	7.1	7.0
APACHE	8.7	6.7	7.7	5.3	6.1	7.0	6.6	6.8
5L4 (BONANZA)	7.8	6.3	7.7	5.8	6.1	7.0	6.3	6.7
OLYMPIC	8.3	6.3	7.3	5.3	5.7	6.7	6.8	6.6
UNKNOWN	8.0	6.3	7.0	5.3	5.8	6.7	7.0	6.6
FINELAWN 5GL	8.2	5.7	7.0	5.9	5.9	6.3	7.0	6.6
ADVENTURE	8.5	5.7	7.3	5.1	6.0	6.3	6.7	6.5
MUSTANG	8.0	6.3	7.0	6.0	5.7	6.3	6.2	6.5
CLEMFINE	7.8	6.3	7.0	6.4	5.8	6.0	5.9	6.5
SYN-GA-1	8.2	5.3	6.7	5.2	5.9	7.0	7.0	6.5
REBEL	8.5	6.3	6.3	5.0	5.6	6.7	6.7	6.4
FALCON	7.5	6.3	7.0	5.2	5.9	6.3	6.7	6.4
HOUNDOG	8.2	6.3	6.7	5.6	5.6	6.3	6.0	6.4
ISI.CJ (PACER)	8.2	6.0	7.0	5.3	5.7	6.3	5.7	6.3
JAGUAR	8.3	5.7	5.7	4.7	6.0	6.3	7.1	6.3
TF 813 (TRIDENT)	8.5	5.0	6.7	5.8	5.6	6.3	5.9	6.3
FINELAWN I	8.0	5.3	7.0	5.9	5.4	6.3	5.7	6.2
TEMPO	8.0	6.0	6.0	5.3	5.4	6.3	5.9	6.1
WILLAMETTE	7.3	6.7	6.3	3.9	5.2	6.3	6.2	6.0
KS 78-4 (CHESAPEAKE)	7.7	5.3	6.3	6.3	5.4	6.3	4.4	6.0
MAVERICK	7.0	6.3	6.3	4.9	5.8	6.0	5.4	6.0
BARCEL	7.0	6.7	6.3	4.9	5.0	6.3	5.3	5.9
JOHNSTONE	7.7	6.0	6.3	4.8	5.2	6.0	5.6	5.9
KY-31	7.5	6.0	6.7	4.9	5.2	6.0	5.1	5.9
MER FA 83-1	7.7	5.7	6.3	4.8	5.4	6.0	5.1	5.9
BROOKSTON	7.7	4.0	6.7	4.5	5.4	5.7	5.6	5.6
NK 81425	7.2	5.0	6.3	4.1	5.1	6.0	4.8	5.5
NK 82508	7.5	6.3	6.7	2.1	4.9	6.0	4.9	5.5
FESTORINA	7.3	6.3	4.3	4.8	4.8	6.0	4.6	5.5
KENHY	5.2	5.0	4.7	4.3	3.6	5.7	3.1	4.5
LSD VALUE	0.7	1.9	1.4	1.0	0.6	0.7	1.4	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 13. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM 1/

NAME	CO1	ID1	KS2	MO2	MS1	OH1	VA2	WA3	MEAN
JAGUAR	9.0	7.7	8.3	6.6	6.3	7.5	7.0	7.0	7.4
ARID	9.0	7.3	7.7	6.8	6.4	8.0	6.3	6.7	7.3
5L4 (BONANZA)	8.5	7.3	8.3	6.8	6.1	8.0	7.0	5.7	7.2
APACHE	9.0	7.3	8.0	6.5	6.0	8.0	6.7	5.7	7.1
FINELAWN I	8.3	7.7	7.7	6.8	5.8	7.7	6.7	6.3	7.1
MUSTANG	8.8	7.0	8.0	6.8	5.9	7.3	6.7	5.3	7.0
REBEL	8.7	7.0	7.3	5.8	6.0	8.0	6.7	6.3	7.0
UNKNOWN	8.2	7.7	7.3	6.3	5.9	7.3	6.0	7.0	7.0
FINELAWN 5GL	8.8	6.3	7.3	6.6	5.9	7.0	6.7	6.3	6.9
TF 813 (TRIDENT)	8.7	6.3	8.3	7.2	5.9	7.3	6.0	5.0	6.8
OLYMPIC	8.5	6.7	7.7	6.5	5.8	7.0	7.0	5.3	6.8
ISI.CJ (PACER)	8.8	6.3	8.0	6.7	5.6	7.7	6.3	5.0	6.8
ADVENTURE	8.7	6.3	7.0	6.2	5.9	7.0	6.7	6.3	6.8
HOUNDOG	8.5	6.3	8.0	6.7	5.7	7.3	6.0	5.3	6.7
TEMPO	8.5	7.0	7.3	6.3	5.7	7.0	6.0	6.0	6.7
FALCON	8.2	6.7	7.3	6.0	5.9	8.0	5.3	6.3	6.7
SYN-GA-1	8.2	6.3	7.0	5.8	6.0	7.7	6.3	5.7	6.6
CLEMFINE	7.8	6.0	6.7	6.7	5.9	7.3	6.3	5.7	6.5
MER FA 83-1	8.2	6.7	7.0	6.2	5.8	7.0	5.0	6.0	6.5
MAVERICK	8.2	6.3	7.3	6.3	5.9	7.7	5.0	5.0	6.5
WILLAMETTE	7.7	7.3	6.7	5.4	5.7	7.7	5.3	5.7	6.4
BROOKSTON	7.8	6.0	6.7	6.3	5.8	7.5	5.0	5.7	6.3
KS 78-4 (CHESAPEAKE)	7.8	5.7	6.7	6.7	5.4	7.3	5.7	4.7	6.2
BARCEL	7.7	6.7	7.0	6.3	5.4	7.3	3.0	5.7	6.1
KY-31	7.5	6.3	7.0	5.6	5.0	7.0	5.3	5.0	6.1
JOHNSTONE	7.5	6.0	6.7	5.7	4.9	7.0	5.3	5.3	6.0
FESTORINA	7.3	7.0	6.7	5.4	4.8	7.0	4.7	5.0	6.0
NK 81425	7.7	6.3	6.3	4.9	5.3	7.0	4.7	4.3	5.8
NK 82508	7.7	6.3	6.7	4.1	5.0	7.0	4.0	4.7	5.7
KENHY	6.2	6.7	5.3	5.5	4.1	7.0	4.3	2.7	5.2
LSD VALUE	0.7	1.5	0.9	0.8	0.4	0.7	1.4	1.4	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 14. PERCENT LIVING GROUND COVER (SPRING)
RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/

NAME	AR1	AR2	MO2	MS1	NC3	NY1	OK3
FINELAWN 5GL	78.3	88.3	90.0	90.0	91.7	.	74.3
5L4 (BONANZA)	88.3	80.0	89.4	89.4	81.7	83.3	79.3
ARID	78.3	71.7	87.1	90.6	93.3	66.7	83.0
REBEL	86.7	76.7	84.6	89.4	91.7	66.7	85.0
FINELAWN I	75.0	80.0	86.7	87.8	80.0	63.3	86.7
FALCON	83.3	75.0	86.3	89.4	88.3	63.3	75.3
OLYMPIC	88.3	71.7	88.6	87.2	85.0	51.7	86.7
ISI.CJ (PACER)	80.0	86.3	84.2	88.9	90.0	70.0	83.7
TF 813 (TRIDENT)	80.0	86.3	84.5	88.3	75.0	.	83.3
HOUNDOG	85.0	60.0	83.8	88.3	83.3	.	87.7
JAGUAR	76.7	85.0	79.2	90.0	88.3	66.7	76.3
APACHE	78.3	83.0	80.0	90.6	90.0	60.0	70.0
UNKNOWN	80.0	70.0	87.8	88.9	88.3	56.7	86.7
ADVENTURE	83.3	70.0	81.3	87.8	90.0	56.7	85.0
MUSTANG	83.3	63.3	88.3	88.9	85.0	60.0	79.7
KY-31	81.7	63.3	84.4	88.9	93.3	53.3	81.7
SYN-GA-1	80.0	70.0	84.6	87.2	93.3	56.7	87.7
KS 78-4 (CHESAPEAKE)	85.0	53.3	89.6	86.7	85.0	53.3	77.7
TEMPO	75.0	66.7	87.5	88.9	86.7	50.0	65.0
CLEMFINE	68.3	63.3	90.4	89.4	78.3	60.0	85.0
WILLAMETTE	75.0	56.7	76.3	87.2	88.3	41.7	89.3
FESTORINA	68.3	63.3	85.3	85.6	78.3	66.7	70.0
MER FA 83-1	80.0	60.0	82.5	89.4	81.7	40.0	78.3
BARCEL	70.0	50.0	81.3	86.1	86.7	.	71.3
JOHNSTONE	73.3	53.3	82.9	90.0	76.7	36.7	91.3
MAVERICK	80.0	70.0	87.5	89.4	86.7	36.7	60.0
BROOKSTON	81.7	60.0	79.6	86.7	86.7	23.3	85.3
NK 81425	83.3	53.3	71.3	86.7	81.7	10.0	71.7
NK 82508	76.7	50.0	70.0	86.7	80.0	33.3	66.7
KENHY	78.3	70.0	85.8	79.4	75.0	3.3	51.7
LSD VALUE	12.6	30.3	7.4	5.6	12.1	35.5	23.1

TABLE 14. PERCENT LIVING GROUND COVER (SPRING)
(CONT'D) RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS

NAME	UB1	VA1	VA2	VA4	WA3	MEAN
FINELAWN 5GL	86.7	60.6	78.3	47.8	97.0	80.3
5L4 (BONANZA)	88.3	62.8	66.7	56.7	95.7	80.1
ARID	91.3	60.0	85.0	56.1	97.7	80.1
REBEL	88.0	54.4	78.3	52.2	97.3	79.3
FINELAWN I	97.7	51.1	85.0	55.0	98.0	78.9
FALCON	94.7	53.3	78.3	58.9	97.3	78.6
OLYMPIC	90.0	60.6	81.7	53.3	97.3	78.5
ISI.CJ (PACER)	90.0	40.6	71.7	58.3	98.0	78.5
TF 813 (TRIDENT)	80.0	62.8	75.0	48.3	96.7	78.2
HOUNDOG	91.7	52.8	76.7	51.1	96.0	77.8
JAGUAR	88.3	56.7	80.0	47.8	97.7	77.7
APACHE	91.3	58.9	70.0	62.2	97.7	77.7
UNKNOWN	83.3	58.3	78.3	52.2	97.7	77.3
ADVENTURE	89.7	56.1	78.3	48.3	98.3	77.1
MUSTANG	90.0	56.7	81.7	47.8	98.0	76.9
KY-31	97.7	48.3	81.7	49.4	96.7	76.7
SYN-GA-1	78.3	50.0	81.7	53.3	97.3	76.7
KS 78-4 (CHESAPEAKE)	94.7	45.6	76.7	61.1	96.7	75.4
TEMPO	83.3	51.7	81.7	60.6	98.0	74.6
CLEMFINE	81.7	45.0	76.7	56.7	97.7	74.4
WILLAMETTE	84.7	45.0	81.7	58.9	97.7	73.5
FESTORINA	78.0	37.2	78.3	72.8	97.3	73.4
MER FA 83-1	88.3	40.0	85.0	52.8	97.7	73.0
BARCEL	76.7	41.1	81.7	61.1	96.7	73.0
JOHNSTONE	91.3	42.8	83.3	55.0	97.0	72.8
MAVERICK	88.3	48.3	68.3	57.8	98.0	72.6
BROOKSTON	88.0	41.1	81.7	50.6	97.7	71.9
NK 81425	96.0	21.7	83.3	58.9	97.7	68.0
NK 82508	80.0	38.3	80.0	56.1	97.7	68.0
KENHY	99.0	.	26.7	68.3	94.3	66.5
LSD VALUE	14.0	11.2	11.0	27.1	1.9	5.4

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

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

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	MO2	MS1	UB1	VA1	VA2	VA4	WA3	MEAN
5L4 (BONANZA)	75.8	88.3	81.7	67.5	53.3	61.7	82.3	73.0
REBEL	70.8	85.0	71.7	60.0	60.0	65.6	87.7	71.5
FALCON	70.0	86.1	76.7	63.3	45.0	67.8	87.0	70.8
ARID	75.8	92.2	73.3	60.8	55.0	57.8	80.0	70.7
OLYMPIC	74.2	85.6	81.7	60.8	55.0	53.9	81.5	70.4
FINELAWN 5GL	84.6	86.1	65.0	64.2	50.0	55.6	86.5	70.3
APACHE	66.7	89.4	78.3	66.7	56.7	57.8	75.3	70.1
TF 813 (TRIDENT)	75.8	85.6	70.0	71.7	53.3	52.8	77.5	69.5
MUSTANG	76.3	85.6	71.7	63.3	50.0	56.1	82.3	69.3
FINELAWN I	72.5	85.6	91.7	56.7	48.3	55.6	72.3	68.9
ADVENTURE	63.3	82.2	76.7	68.3	53.3	51.1	84.5	68.5
SYN-GA-1	75.4	86.7	55.0	55.8	58.3	63.3	82.8	68.2
JAGUAR	62.9	87.8	75.0	59.2	51.7	51.7	89.2	68.2
UNKNOWN	75.0	86.7	66.7	62.5	48.3	57.2	79.3	68.0
CLEMFINE	79.6	86.7	65.0	50.2	50.0	67.8	73.7	67.6
KY-31	72.9	83.3	93.0	51.7	48.3	55.6	67.5	67.5
TEMPO	71.7	86.7	63.3	57.5	51.7	59.4	80.8	67.3
HOUNDOG	72.9	87.2	73.3	65.0	45.0	57.2	70.3	67.3
KS 78-4 (CHESAPEAKE)	86.3	86.7	86.7	47.5	43.3	63.3	64.2	67.1
MAVERICK	73.3	88.3	65.0	63.3	38.3	61.7	77.7	66.8
ISI.CJ (PACER)	70.8	83.9	63.3	54.2	51.7	57.2	77.0	65.4
MER FA 83-1	70.8	85.6	75.0	50.8	38.3	57.8	75.8	64.9
WILLAMETTE	60.4	83.3	68.3	60.0	25.0	64.4	76.5	62.6
FESTORINA	69.2	75.6	60.0	48.3	30.0	71.7	81.7	62.3
JOHNSTONE	72.5	82.2	76.7	47.5	35.0	55.6	62.8	61.8
KENHY	71.3	70.6	95.0	.	26.7	66.7	39.2	61.6
BROOKSTON	67.9	84.4	66.7	50.8	38.3	52.8	69.0	61.4
BARCEL	64.6	80.0	65.0	49.2	20.0	64.4	74.2	59.6
NK 81425	49.6	82.8	83.3	37.5	15.0	61.1	64.5	56.3
NK 82508	45.4	78.3	58.3	39.2	36.7	59.4	64.0	54.5
LSD VALUE	14.1	6.1	27.5	16.8	11.0	25.3	24.1	7.4

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

TABLE 16. PERCENT LIVING GROUND COVER (FALL)
RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	ID1	KY1	MA1	MO2	MS1	OK3
ARID	88.3	58.3	90.0	80.8	91.7	71.7
FINELAWN I	50.0	46.7	73.3	83.3	89.4	78.0
KY-31	66.7	60.0	86.7	84.2	82.8	62.7
APACHE	40.0	43.3	70.0	73.3	90.6	75.0
MUSTANG	46.7	48.3	80.0	82.1	88.3	65.0
TEMPO	50.0	50.0	86.7	80.4	87.2	60.0
FALCON	56.7	53.3	90.0	82.1	88.3	38.3
FINELAWN 5GL	53.3	45.0	66.7	87.5	88.3	55.0
SYN-GA-1	65.0	58.3	63.3	83.8	90.0	59.3
UNKNOWN	55.0	53.3	76.7	84.2	90.0	57.0
FESTORINA	50.0	50.0	86.7	77.1	79.4	80.0
CLEMFINE	56.7	56.7	80.0	84.2	90.0	34.0
MER FA 83-1	71.7	56.7	86.7	76.7	88.9	42.3
REBEL	60.0	48.3	86.7	76.3	87.2	3.5
ADVENTURE	36.7	46.7	90.0	71.7	90.0	26.7
JAGUAR	45.0	45.0	73.3	74.2	90.6	31.7
OLYMPIC	33.3	41.7	73.3	81.3	87.8	37.3
KS 78-4 (CHESAPEAKE)	70.0	35.0	63.3	84.2	87.2	60.0
HOUNDOG	50.0	43.3	80.0	73.8	88.9	36.7
NK 81425	85.0	55.0	83.3	63.3	86.1	54.0
WILLAMETTE	86.7	53.3	90.0	68.3	83.3	24.0
ISI.CJ (PACER)	25.0	48.3	73.3	78.3	87.8	66.3
JOHNSTONE	83.3	60.0	76.7	75.0	83.9	28.3
TF 813 (TRIDENT)	20.0	38.3	86.7	79.6	89.4	41.0
5L4 (BONANZA)	21.7	28.3	53.3	81.3	90.6	48.3
MAVERICK	50.0	41.7	83.3	80.8	89.4	35.3
NK 82508	60.0	40.0	73.3	53.3	82.2	59.0
BARCEL	50.0	45.0	83.3	75.0	83.9	38.3
BROOKSTON	70.0	50.0	83.3	75.0	86.1	6.0
KENHY	8.3	10.0	46.7	80.8	72.8	30.0
LSD VALUE	35.7	8.9	14.8	8.6	4.9	64.5

TABLE 16. PERCENT LIVING GROUND COVER (FALL)
(CONT'D) RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	UB1	VA1	VA2	VA4	WA3	MEAN
ARID	88.0	69.2	65.0	66.1	70.3	76.3
FINELAWN I	96.3	62.5	65.0	68.9	62.5	70.5
KY-31	96.0	55.8	55.0	62.2	59.0	70.1
APACHE	94.7	70.8	63.3	70.6	71.3	69.4
MUSTANG	90.0	63.3	68.3	62.8	68.0	69.4
TEMPO	80.0	63.3	60.0	66.7	77.5	69.3
FALCON	88.0	60.0	55.0	73.3	74.7	69.1
FINELAWN 5GL	85.0	64.2	66.7	61.7	81.3	68.6
SYN-GA-1	73.3	69.2	51.7	65.0	73.8	68.4
UNKNOWN	81.7	68.3	50.0	65.0	67.2	68.0
FESTORINA	68.3	50.8	46.7	79.4	71.7	67.3
CLEMFINE	73.3	57.5	63.3	71.1	72.8	67.2
MER FA 83-1	85.0	53.3	46.7	68.9	62.5	67.2
REBEL	88.0	75.0	63.3	67.8	81.0	67.0
ADVENTURE	88.0	73.3	63.3	58.9	81.7	66.1
JAGUAR	88.3	70.0	71.7	59.4	77.5	66.1
OLYMPIC	93.0	68.3	68.3	64.4	74.2	65.7
KS 78-4 (CHESAPEAKE)	88.0	55.8	51.7	68.9	55.5	65.4
HOUNDOG	86.7	64.2	53.3	65.0	70.8	64.8
NK 81425	89.7	39.2	43.3	67.8	45.8	64.8
WILLAMETTE	84.7	50.0	45.0	69.4	57.5	64.8
ISI.CJ (PACER)	81.7	55.0	58.3	70.0	67.5	64.7
JOHNSTONE	80.0	51.7	51.7	61.7	55.5	64.3
TF 813 (TRIDENT)	75.0	73.3	65.0	63.9	75.0	64.3
5L4 (BONANZA)	88.0	75.0	66.7	68.9	80.8	63.9
MAVERICK	78.3	59.2	46.7	70.0	62.5	63.4
NK 82508	68.3	56.7	50.0	68.9	60.8	61.1
BARCEL	75.0	55.8	33.3	67.2	59.2	60.6
BROOKSTON	78.3	44.2	50.0	60.0	59.2	60.2
KENHY	94.7	.	46.7	71.7	27.5	48.9
LSD VALUE	17.9	9.7	11.5	22.1	32.4	6.3

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 17.
DROUGHT TOLERANCE (DORMANCY) RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

DORMANCY RATINGS 1-9; 9=NO DORMANCY 1/

NAME	UB1	MEAN
ARID	7.7	7.7
OLYMPIC	7.7	7.7
APACHE	7.3	7.3
JAGUAR	7.3	7.3
FINELAWN I	6.3	6.3
MUSTANG	6.3	6.3
REBEL	6.3	6.3
5L4 (BONANZA)	6.0	6.0
KY-31	6.0	6.0
UNKNOWN	6.0	6.0
ADVENTURE	5.7	5.7
BARCEL	5.7	5.7
FALCON	5.7	5.7
FINELAWN 5GL	5.7	5.7
KS 78-4 (CHESAPEAKE)	5.7	5.7
MER FA 83-1	5.7	5.7
NK 81425	5.7	5.7
TEMPO	5.3	5.3
HOUNDOG	5.0	5.0
ISI.CJ (PACER)	5.0	5.0
JOHNSTONE	5.0	5.0
KENHY	5.0	5.0
MAVERICK	5.0	5.0
SYN-GA-1	5.0	5.0
BROOKSTON	4.3	4.3
CLEMFINE	4.3	4.3
TF 813 (TRIDENT)	3.7	3.7
NK 82508	3.3	3.3
WILLAMETTE	3.3	3.3
FESTORINA	3.0	3.0
LSD VALUE	3.0	3.0

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 18.
DROUGHT TOLERANCE (RECOVERY) RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 1/

NAME	MO2	MEAN
FINELAWN 5GL	6.7	6.7
TF 813 (TRIDENT)	6.3	6.3
ARID	6.2	6.2
KS 78-4 (CHESAPEAKE)	6.2	6.2
CLEMFINE	6.0	6.0
SYN-GA-1	5.7	5.7
5L4 (BONANZA)	5.5	5.5
FINELAWN I	5.5	5.5
JOHNSTONE	5.5	5.5
APACHE	5.3	5.3
FALCON	5.3	5.3
MUSTANG	5.3	5.3
REBEL	5.3	5.3
HOUNDOG	5.2	5.2
KY-31	5.2	5.2
MER FA 83-1	5.2	5.2
TEMPO	5.0	5.0
FESTORINA	4.8	4.8
ISI.CJ (PACER)	4.8	4.8
MAVERICK	4.8	4.8
KENHY	4.7	4.7
JAGUAR	4.3	4.3
OLYMPIC	4.3	4.3
UNKNOWN	4.3	4.3
ADVENTURE	4.0	4.0
WILLAMETTE	3.8	3.8
BROOKSTON	3.3	3.3
BARCEL	3.2	3.2
NK 81425	2.7	2.7
NK 82508	2.0	2.0
LSD VALUE	1.4	1.4

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

TABLE 19.
FROST TOLERANCE RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

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

NAME	MO2	MEAN
MAVERICK	8.3	8.3
5L4 (BONANZA)	8.0	8.0
ADVENTURE	8.0	8.0
ARID	8.0	8.0
FESTORINA	8.0	8.0
FINELAWN 5GL	8.0	8.0
FINELAWN I	8.0	8.0
HOUNDOG	8.0	8.0
ISI.CJ (PACER)	8.0	8.0
JOHNSTONE	8.0	8.0
KENHY	8.0	8.0
MUSTANG	8.0	8.0
NK 81425	8.0	8.0
NK 82508	8.0	8.0
OLYMPIC	8.0	8.0
REBEL	8.0	8.0
SYN-GA-1	8.0	8.0
TF 813 (TRIDENT)	8.0	8.0
UNKNOWN	8.0	8.0
APACHE	7.3	7.3
JAGUAR	6.3	6.3
FALCON	6.0	6.0
CLEMFINE	5.3	5.3
MER FA 83-1	5.3	5.3
BROOKSTON	4.3	4.3
WILLAMETTE	4.0	4.0
KS 78-4 (CHESAPEAKE)	3.7	3.7
KY-31	3.7	3.7
TEMPO	3.7	3.7
BARCEL	3.3	3.3
LSD VALUE	0.6	0.6

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

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

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

NAME	MO2	UB1	MEAN
APACHE	6.0	6.0	6.0
HOUNDOG	6.0	5.7	5.8
JAGUAR	5.7	6.0	5.8
MUSTANG	7.3	4.3	5.8
NK 82508	6.7	4.7	5.7
UNKNOWN	6.7	4.7	5.7
5L4 (BONANZA)	5.3	5.7	5.5
FINELAWN 5GL	6.3	4.7	5.5
ISI.CJ (PACER)	6.3	4.7	5.5
OLYMPIC	6.0	4.7	5.3
BROOKSTON	7.0	3.3	5.2
REBEL	6.0	4.3	5.2
ADVENTURE	5.3	4.7	5.0
ARID	6.3	3.7	5.0
FALCON	5.7	4.0	4.8
SYN-GA-1	6.0	3.7	4.8
TF 813 (TRIDENT)	6.0	3.7	4.8
WILLAMETTE	6.3	3.3	4.8
JOHNSTONE	5.7	3.3	4.5
KENHY	6.0	3.0	4.5
KS 78-4 (CHESAPEAKE)	5.7	3.3	4.5
KY-31	6.3	2.7	4.5
MAVERICK	5.3	3.7	4.5
CLEMFINE	6.3	2.3	4.3
FINELAWN I	5.3	3.3	4.3
FESTORINA	6.0	2.3	4.2
TEMPO	4.3	3.7	4.0
BARCEL	5.0	2.3	3.7
MER FA 83-1	5.3	2.0	3.7
NK 81425	5.7	1.0	3.3
LSD VALUE	1.3	1.3	0.9

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

TABLE 21. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

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

NAME	NE1	NJ1	NJ2	UB1	VA5	MEAN
ARID	6.5	5.8	5.8	6.7	6.7	6.3
ADVENTURE	5.7	6.8	6.2	5.8	6.7	6.2
JAGUAR	6.7	6.2	6.3	6.0	5.3	6.1
REBEL	5.3	5.8	6.5	5.5	7.0	6.0
ISI.CJ (PACER)	6.3	5.6	5.6	5.8	6.0	5.9
MAVERICK	6.8	6.9	4.8	5.3	5.3	5.8
FALCON	6.5	5.1	5.5	5.8	6.0	5.8
CLEMFINE	6.2	6.7	4.7	4.3	6.7	5.7
APACHE	5.8	5.6	4.8	6.7	5.3	5.6
TEMPO	5.5	5.3	6.0	6.0	5.3	5.6
OLYMPIC	5.7	5.2	5.3	6.5	5.3	5.6
HOUNDOG	5.8	5.1	5.2	5.8	6.0	5.6
KS 78-4 (CHESAPEAKE)	7.2	4.7	4.7	5.5	5.7	5.5
UNKNOWN	5.7	5.7	6.2	5.5	4.7	5.5
FINELAWN 5GL	5.2	5.8	5.5	5.5	5.7	5.5
KY-31	6.3	5.6	4.8	4.8	6.0	5.5
MUSTANG	6.5	5.9	4.2	6.0	5.0	5.5
SYN-GA-1	5.5	5.6	5.8	4.5	6.0	5.5
5L4 (BONANZA)	5.3	5.8	5.5	6.0	4.7	5.5
TF 813 (TRIDENT)	6.0	5.8	6.0	4.8	4.7	5.5
JOHNSTONE	6.2	4.8	4.5	4.5	7.3	5.5
FINELAWN I	5.7	5.3	5.2	5.8	4.7	5.3
KENHY	7.3	4.7	4.3	5.2	3.7	5.0
NK 82508	6.0	5.6	4.2	4.7	4.7	5.0
WILLAMETTE	6.5	4.7	4.2	4.3	4.7	4.9
MER FA 83-1	5.0	4.3	4.3	4.5	4.7	4.6
FESTORINA	6.5	3.6	3.5	4.5	4.0	4.4
BROOKSTON	5.8	3.7	3.3	5.2	3.3	4.3
BARCEL	5.8	3.8	2.8	4.8	3.0	4.1
NK 81425	5.3	3.4	2.8	5.0	3.0	3.9
LSD VALUE	2.3	1.6	1.6	2.1	2.6	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 22.
PERCENT WHITE PATCH RATINGS OF TALL FESCUE CULTIVARS 1/
1984-87 DATA

PERCENTAGE OF PLOT INFECTED WITH WHITE PATCH 2/

NAME	VA4	MEAN
FINELAWN I	36.7	36.7
KS 78-4 (CHESAPEAKE)	30.0	30.0
CLEMFINE	23.3	23.3
SYN-GA-1	18.3	18.3
FINELAWN 5GL	11.7	11.7
ADVENTURE	8.3	8.3
JAGUAR	8.3	8.3
MER FA 83-1	8.3	8.3
MUSTANG	8.3	8.3
5L4 (BONANZA)	6.7	6.7
APACHE	5.0	5.0
JOHNSTONE	5.0	5.0
UNKNOWN	5.0	5.0
MAVERICK	3.3	3.3
TF 813 (TRIDENT)	3.3	3.3
ARID	1.7	1.7
NK 81425	1.7	1.7
NK 82508	1.7	1.7
OLYMPIC	1.7	1.7
TEMPO	1.7	1.7
FALCON	0.7	0.7
FESTORINA	0.7	0.7
KY-31	0.7	0.7
REBEL	0.7	0.7
BARCEL	0.0	0.0
BROOKSTON	0.0	0.0
HOUNDOG	0.0	0.0
ISI.CJ (PACER)	0.0	0.0
KENHY	0.0	0.0
WILLAMETTE	0.0	0.0
LSD VALUE	24.1	24.1

1/ PERCENT WHITE PATCH IS AN EVALUATION OF THE PERCENTAGE OF INFECTION OF WHITE PATCH (MELANOTUS sp.) DISEASE ON EACH TEST PLOT. DISEASE RATED 9/10/85.

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 23.
VERTICAL GROWTH RATINGS OF TALL FESCUE CULTIVARS
1984-87 DATA

VERTICAL GROWTH RATINGS 1-9; 9=LEAST GROWTH 1/

NAME	NJ1	MEAN
FINELAWN 5GL	7.0	7.0
JAGUAR	7.0	7.0
5L4 (BONANZA)	6.7	6.7
APACHE	6.7	6.7
OLYMPIC	6.7	6.7
ADVENTURE	6.3	6.3
ISI.CJ (PACER)	6.3	6.3
MUSTANG	6.3	6.3
ARID	6.0	6.0
BARCEL	6.0	6.0
BROOKSTON	6.0	6.0
HOUNDOG	6.0	6.0
MAVERICK	6.0	6.0
SYN-GA-1	6.0	6.0
UNKNOWN	6.0	6.0
WILLAMETTE	6.0	6.0
REBEL	5.7	5.7
TEMPO	5.7	5.7
TF 813 (TRIDENT)	5.7	5.7
FINELAWN I	5.3	5.3
JOHNSTONE	5.3	5.3
KS 78-4 (CHESAPEAKE)	5.3	5.3
NK 81425	5.3	5.3
NK 82508	5.3	5.3
FALCON	5.0	5.0
CLEMFINE	4.7	4.7
MER FA 83-1	4.7	4.7
FESTORINA	4.3	4.3
KENHY	4.3	4.3
KY-31	4.0	4.0
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).