

STOP: 1

Fescue Evaluation and Improvement

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Cultivar evaluations of red fescue at East Lansing indicate that nearly two-thirds of those under test do not show significant advantages for any given entry regarding color, density and uniformity. Since no existing cultivar exhibits resistance to leaf spot and melting out, suggested selection where red fescue is to be used would include Dawson, Jamestown, Highlight, Wintergreen, Pennlawn or Banner, depending on availability of seed supplies.

Creeping red or chewings fescues are appropriate in mixtures with Kentucky bluegrass cultivars for low and middle management turfgrass areas where supplemental irrigation will be limited and where conditions of light shade exist.

Seven synthetic combinations of red fescue clones which exhibit high levels of resistance to Helminthosporium leaf spot are being produced for increase in Hubbard, Oregon. Initial evaluation of progenies of four of these sythetics, which were developed in 1978 show extremely high levels of resistance. Seed increases of these four were not successful during the past year because of a lack of favorable fall and winter growing conditions.

Beaumont meadow fescue is being increased (100 acres) in Oregon by Loft and Burlingham seed companies. This cultivar will be appropriate, when mixed with 25% Kentucky bluegrass, for industrial lawns, highway roadsides, and golf course roughs.

Table B. 1977 Fine Fescue Cultivar Evaluation

Relative Rank	Variety	Quality Rating* and Statistical Test (1 - best; 9 - poorest)
1	Dawson	3.3 a
2	Grelo	3.3 a
3	Fidelimo	3.7 ab
4	Ilora	3.7 ab
5	Kensington	3.7 ab
6	MOM FRC 12	3.7 ab
7	MOM FRC 64	3.7 ab
8	Waldorf	3.7 ab
9	Wintergreen (Oregon)	3.7 ab
10	Agram	4.0 ab
11	Banner	4.0 ab
12	Barfalla	4.0 ab
13	Biljart	4.0 ab
14	Ensylva	4.0 ab
15	ERF 283	4.0 ab
16	ERG 35	4.0 ab
17	Highlight	4.0 ab
18	MOM FRR 4211	4.0 ab
19	Scaldis	4.0 ab
20	Syn W	4.0 ab
21	Wintergreen (Breeder seed)	4.0 ab
22	Wintergreen (Oregon)	4.0 ab
23	Gracia	4.3 abc
24	Jamestown	4.3 abc
25	K4-21	4.3 abc
26	Koket	4.3 abc
27	Canada	4.7 abcd
28	Famosa	4.7 abcd
29	MOM FRC 62	4.7 abcd
30	Encotta	5.0 bcd
31	Pennlawn	5.0 bcd
32	Reptans	5.0 bcd
33	Silvana	5.0 bcd
34	Sonnet	5.0 bcd
35	Corona	5.3 bcd
36	Jade	5.3 bcd
37	K5-29	5.3 bcd
38	MOM FRR 25	5.3 bcd
39	Wladina	5.3 bcd
40	F 3012 Enzet	5.7 cde
41	FRT-3	5.7 cde
42	MOM FRR 33	5.7 cde
43	Valda	5.7 cde
44	Tournament	6.3 de
45	Renova	7.0 ef
46	Engina	7.7 fg
47	Menuet	9.0 g
48	MOM FRC 10	9.0 g

\* Date evaluated: 10-31-78 Location: East Lansing

Aspect of Quality evaluated: Uniformity

Factors affecting quality: Weed invasion (dandelion, annual bluegrass)

\*\* Varieties having the same letter are not significantly different.

Means separation by Duncan's MRT.  $S_{\bar{x}} = 0.4496$