

Regional Fine Fescue Cultivar Evaluation - Established 1993

Nick. E. Christians and James R. Dickson

This was the third year of data from the new fine fescue trial. This is a National Turfgrass Evaluation Program (NTEP) trial. It is being conducted at many locations around the U.S. The purpose of the trial is to study the regional adaptation of 59 fine fescue cultivars. Cultivars were evaluated for quality each month of the growing season through October. The study is established in full sun. Three replications of the 3 x 5 ft (15 ft²) plots were established for each cultivar in September of 1993. The trial is maintained at a 2-inch mowing height, 3.5 lbs N/1000 ft² were applied during the growing season, and the area was irrigated when needed to prevent drought. Preemergence herbicide was applied once in the spring.

Visual quality was based on a 9 to 1 scale: 9 = best quality, 6 = lowest acceptable quality, and 1 = poorest quality. Data on spring greenup are also included.

Table 1. The 1997 quality ratings for the fine fescue regional cultivar trial.

Cultivar	Species	Greenup	Quality						
			May	June	July	Aug	Sept	Oct	Mean
1 Rondo	STC	5.0	7.7	8.0	8.0	7.7	7.7	8.3	7.9
2 Aruba	STC	6.0	7.0	7.7	7.7	8.0	8.0	7.7	7.7
3 PST-4VB endo.	STC	5.0	8.0	7.3	7.3	6.7	7.7	7.7	7.4
4 Shademaster II	STC	3.7	8.0	7.3	7.0	6.3	8.0	7.7	7.4
5 Shadow II (PST-44D)	CF	5.7	8.3	7.0	7.0	6.7	8.0	7.3	7.4
6 PST-4DT	STC	5.0	7.3	7.7	6.3	6.7	8.0	8.0	7.3
7 PST-4ST	STC	4.0	7.0	7.7	7.3	7.0	7.3	7.3	7.3
8 Jasper (E)	STC	4.7	7.3	7.3	6.7	7.0	7.3	7.7	7.2
9 Common Creeping	STC	5.0	7.0	7.7	7.7	7.0	6.7	6.0	7.0
10 K-2 (MB 65-93)	CF	6.0	7.3	6.7	6.7	6.7	7.3	7.0	6.9
11 Tiffany	CF	4.3	6.0	7.3	7.0	6.7	7.3	7.0	6.9
12 Flyer II (ZPS-4BN)	STC	5.3	8.3	6.3	6.0	6.3	7.3	6.7	6.8
13 Victory (E)	CF	5.7	7.3	6.7	6.7	6.3	7.0	6.7	6.8
14 Victory II (Pick 4-91W)	CF	4.7	7.0	6.3	6.0	6.3	7.7	7.7	6.8
15 BAR FRR 4ZBD	STC	5.0	7.3	7.0	6.0	6.3	6.0	7.3	6.7
16 BAR UR 204	STC	6.0	6.0	6.7	7.0	7.0	7.0	6.7	6.7
17 Molinda	CF	6.3	7.0	6.3	6.3	6.7	7.3	6.3	6.7
18 Banner III (MB 61-93)	CF	5.0	7.0	6.7	5.7	5.7	7.7	7.0	6.6
19 CAS-FR13	STC	5.7	7.0	7.0	6.7	6.7	6.0	6.0	6.6
20 Columbra (MB 64-93)	CF	5.3	7.7	6.3	6.7	6.7	6.0	6.3	6.6
21 Medina	CF	6.0	7.7	6.0	5.7	6.3	6.7	7.0	6.6
22 NJ F-93	CF	4.3	7.7	6.7	6.0	6.0	6.7	6.3	6.6
23 Sandpiper (PRO 92/20)	CF	5.0	6.7	7.0	6.0	6.3	7.0	6.7	6.6
24 Treasure (ZPS-MG)	CF	5.3	6.7	6.0	6.7	7.0	6.3	7.0	6.6
25 MB 66-93	CF	6.0	7.7	6.3	5.7	6.3	6.3	6.7	6.5
26 Seabreeze	SLC	5.0	6.7	6.3	7.0	6.3	6.3	6.3	6.5
27 SR 5100	CF	5.3	7.0	6.7	6.3	6.3	7.0	5.7	6.5
28 Bridgeport	CF	5.0	6.3	6.7	5.7	6.3	7.0	6.7	6.4
29 Brittany	CF	5.0	7.0	6.7	6.0	6.0	6.3	6.7	6.4
30 ISI-FC-62	CF	5.0	7.0	6.0	7.0	6.0	6.3	6.3	6.4

	Cultivar	Species	Greenup	Quality						Mean
				May	June	July	Aug	Sept	Oct	
31	Jamestown II	CF	5.3	6.7	6.0	6.0	6.3	6.7	7.0	6.4
32	WX3-FFG6	STC	5.3	6.3	7.3	6.0	6.3	6.7	6.0	6.4
33	Darwin	CF	4.3	6.7	6.7	6.3	6.7	5.7	5.7	6.3
34	ECO (MB 63-93)	CF	5.3	6.7	6.0	6.3	6.3	6.3	6.3	6.3
35	Osprey (PRO 92/24)	HF	3.7	6.7	7.0	5.7	6.0	6.7	6.0	6.3
36	WX3-FF54	CF	5.0	7.7	6.0	5.7	5.7	6.7	6.3	6.3
37	Banner II	CF	5.7	7.7	5.7	5.3	6.3	6.0	6.3	6.2
38	Discovery	HF	4.3	7.0	7.0	5.3	6.0	6.0	6.0	6.2
39	MB 82-93	HF	4.3	6.0	6.0	6.3	6.7	6.0	6.0	6.2
40	Shadow (E)	CF	5.7	8.0	5.7	5.3	5.7	6.7	6.0	6.2
41	Flyer	STC	4.7	5.7	5.3	6.7	5.7	6.3	6.3	6.0
42	TMI-3CE	CF	5.0	6.0	6.0	5.7	6.0	6.0	6.0	5.9
43	Jamestown	CF	5.7	7.0	6.0	5.3	5.7	5.7	5.3	5.8
44	Dawson	SLC	5.0	4.3	6.0	5.7	5.7	5.3	6.0	5.5
45	Silverlawn (WVPB-STCR-101)	HF	4.7	7.3	6.3	6.0	4.7	4.3	4.3	5.5
46	Reliant II	HF	4.7	6.3	6.7	4.7	5.0	4.7	5.3	5.4
47	SR 3100	HF	4.3	6.0	6.7	5.0	5.3	4.3	5.0	5.4
48	Ecostar	HF	4.3	7.0	5.7	4.3	4.3	4.7	5.0	5.2
49	Cascade	CF	6.0	5.3	6.0	5.0	5.3	4.0	4.7	5.1
50	Defiant (MB 81-93)	HF	5.0	6.7	5.3	5.0	4.3	4.3	5.0	5.1
51	Quatro (FO 143)	SF	4.3	6.7	5.3	4.7	4.3	4.3	5.0	5.1
52	Spartan	HF	5.3	6.0	5.3	4.3	4.3	5.3	4.7	5.0
53	Brigade	HF	4.7	6.0	5.7	4.7	4.3	4.0	4.0	4.8
54	Aurora W/Endo	HF	5.0	5.7	5.3	4.3	4.0	4.0	4.7	4.7
55	Nordic	HF	5.3	6.3	5.0	4.7	4.0	4.0	4.3	4.7
56	Pamela	HF	5.3	6.3	5.3	4.3	4.7	3.7	4.0	4.7
57	Vernon (MB 83-93)	HF	4.3	6.7	5.0	4.3	4.0	4.0	3.7	4.6
58	Scaldis	HF	4.7	5.7	5.3	3.7	3.7	4.0	4.0	4.4
59	67135	SF	8.7	4.7	4.7	3.7	3.7	3.3	3.3	3.9
	LSD _(0.05)	---	1.7	2.1	1.7	1.4	1.3	1.6	1.6	0.9

Species: CF = Chewings Fescue

HF = Hard Fescue

SF = Sheep Fescue

SLC = Slender Creeping Fescue

STC = Strong Creeping Fescue

Spring greenup (Greenup): 9 = dark green and 1 = light green.

Quality based on a 9 to 1 scale: 9 = best quality, 6 = lowest acceptable quality, and 1 = poorest quality.