

National Tall Fescue Cultivar Evaluation

Shui-Zhang Fei and Rodney St. John

This tall fescue trial was established in September, 2001 and is part of the National Turfgrass Evaluation Program (NTEP). Similar trials are being conducted at many different locations around the US. The purpose of this trial is to evaluate adaptation and performance of 163 tall fescue cultivars under non-irrigated conditions with 2 lbs N /1000 ft² per year and a mowing height of 2.5-3.5”.

This is the 5th (last) year of the trial. Cultivars were evaluated for turf quality each month during the growing season based on a scale of 1 to 9 with 1 being the worst quality and 9 being the best quality. The values listed in the table are averages of three replications. A grand mean of turf quality was listed in the last column. In addition to turf quality, data on genetic color (GENCOLOR, rated using a scale of 1-9 with 1 being light green and 9 being dark green), greenup (rated on a scale of 1-9 with 1 having the worst color and 9 having the best color in late April), leaf texture (LEAFTEX, rated using a scale of 1-9 with 1 being course and 9 being fine) were also included.

Table 1. 2005 Visual ratings on turfgrass genetic color, spring greenup, leaf texture and quality, for the 2001 Tall Fescue Cultivar Trial in Ames, IA.

Tall Fescue Cultivar	GENCOLOR	GREENUP	LEAFTEX	----- Visual Quality-----						MEAN
				MAY	JUN	JUL	AUG	SEP	OCT	
2ND MILLENNIUM	8.0	6.7	8.3	7.7	8.3	8.3	8.7	8.0	8.0	8.2
DAVINCI (LTP-7801)	8.0	5.3	8.3	8.3	8.0	8.3	8.0	7.7	8.3	8.1
FIREBIRD (CIS-TF-65)	8.3	6.0	8.0	8.0	8.0	8.3	8.0	8.3	8.0	8.1
GRANDE II	8.0	6.0	8.0	8.0	8.0	7.7	8.3	7.7	8.0	7.9
JUSTICE (RB2-01)	8.0	6.3	8.0	8.0	8.0	7.7	8.0	8.0	8.0	7.9
PADRE (NJ4)	9.0	6.0	8.0	7.3	8.0	8.3	7.7	8.0	8.0	7.9
COCHISE III (018)	8.0	6.3	8.0	8.0	7.7	7.3	8.3	7.7	7.7	7.8
ESCALADE (01-ORU1)	8.0	6.3	8.0	8.0	7.7	8.0	7.7	7.7	7.7	7.8
PICASSO	7.7	6.3	8.0	8.0	7.3	8.3	7.7	7.3	8.0	7.8
ATF 704	7.7	6.0	8.0	7.7	7.7	7.7	7.7	8.0	7.7	7.7
BLACKWATCH (PICK-OD3-01)	8.0	6.3	8.0	8.3	7.7	7.0	7.7	7.7	7.7	7.7
CIS-TF-77	8.0	6.3	8.0	7.0	7.3	8.3	7.7	7.7	8.0	7.7
DYNAMIC (PST-57E)	8.0	6.0	8.0	7.3	7.7	8.0	7.7	7.7	8.0	7.7
FALCON IV (F-4)	8.3	6.0	8.0	7.3	7.7	8.0	8.0	7.7	7.7	7.7
FINESSE II	8.3	6.0	8.0	7.7	7.7	8.0	7.7	7.3	7.7	7.7
INFERNO (JT-99)	8.0	6.3	8.0	7.0	7.7	8.0	7.7	7.7	8.0	7.7
LEXINGTON (UT-RB3)	8.7	6.0	8.0	7.7	7.7	8.0	7.7	7.7	7.7	7.7
MILLENNIUM	8.3	6.3	8.0	7.3	7.3	8.0	8.0	8.0	7.7	7.7
MRF 211	8.3	6.0	8.0	7.0	8.0	7.7	8.0	7.7	8.0	7.7
PICK TF H-97	8.0	6.0	8.0	7.7	7.7	7.7	8.0	7.3	7.7	7.7
QUEST	8.0	6.3	8.0	7.7	7.7	7.7	8.0	7.7	7.7	7.7
RAPTOR (CIS-TF-33)	8.0	6.0	8.0	7.7	7.7	7.7	7.7	7.7	7.7	7.7
SCORPION	7.7	6.0	8.0	7.7	7.7	8.0	7.7	7.3	7.7	7.7
TROOPER (01-TFOR3)	8.0	6.3	8.0	8.0	7.3	7.3	7.7	7.7	8.0	7.7
FINELAWN ELITE (DLSD)	8.0	6.3	8.0	8.0	7.3	7.3	7.3	7.3	8.0	7.6
FOCUS	8.0	6.0	8.0	7.7	7.3	7.7	8.0	7.3	7.7	7.6
NINJA 2 (ATF-800)	8.0	6.0	8.0	7.3	7.0	7.7	7.7	7.7	8.0	7.6
PST-5FZD	8.0	6.3	8.0	7.3	7.3	7.7	7.7	7.7	7.7	7.6
R-4	8.0	6.3	8.3	7.3	7.7	7.7	7.7	7.7	7.7	7.6
REMBRANDT	8.0	6.3	8.0	7.3	7.3	7.7	7.3	7.7	8.0	7.6
SILVERADO II (PST-578)	8.0	6.0	8.0	7.7	7.3	7.3	8.0	7.7	7.3	7.6
SILVERSTAR (PST-5ASR)	8.0	6.0	8.3	7.0	7.3	8.0	7.7	7.3	8.0	7.6
ULTIMATE (01-RUTOR2)	8.0	6.0	8.0	7.0	7.7	7.7	7.7	7.7	7.7	7.6
WYATT	8.0	6.0	8.0	8.0	7.0	7.7	7.7	7.3	7.7	7.6
CORGI (CIS-TF-64)	8.0	6.0	8.7	7.7	7.7	7.3	7.7	7.3	7.3	7.5
DLF-J210	8.0	6.3	7.3	8.0	7.3	7.7	7.3	7.3	7.3	7.5
FIDELITY (PST-5T1)	8.0	6.3	8.0	7.3	7.3	7.7	7.3	8.0	7.3	7.5

----- Visual Quality -----

Tall Fescue Cultivar	GENCOLOR	GREENUP	LEAFTEX	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
JAGUAR 3	8.0	6.3	8.0	7.3	7.3	7.7	7.7	7.3	7.7	7.5
JTFF-2000	8.0	6.0	8.0	7.3	7.7	7.7	7.5	7.3	7.7	7.5
LEGITIMATE	8.0	6.0	8.0	7.7	7.3	7.3	7.7	7.3	7.7	7.5
MA 138	8.3	6.0	7.7	7.3	7.3	7.7	7.3	7.7	7.7	7.5
PICK-00-AFA	8.0	6.3	8.0	8.0	7.7	7.7	7.3	7.0	7.3	7.5
PST-DDL	8.0	6.0	8.0	7.3	7.3	7.7	7.3	7.3	8.0	7.5
TITAN LTD.	8.0	6.0	8.0	7.7	7.3	7.3	7.7	7.3	7.7	7.5
UT-155	8.0	6.0	8.0	7.3	7.3	8.0	7.3	7.7	7.3	7.5
BAR FA 1005	8.7	6.7	8.0	7.7	7.3	7.3	7.3	7.3	7.7	7.4
CAS-ED	9.0	6.0	7.7	7.3	7.3	7.7	7.3	7.7	7.3	7.4
CAYENNE	8.0	6.0	8.0	7.3	7.7	7.3	7.3	7.3	7.3	7.4
COVENANT (ATF 802)	8.0	6.0	8.0	7.0	7.3	7.7	7.3	7.0	8.0	7.4
DP 50-9082	7.0	6.0	8.0	7.7	7.7	7.3	7.0	7.3	7.7	7.4
EXPEDETION (ATF-803)	8.0	6.3	8.0	8.0	7.3	7.3	7.3	7.3	7.3	7.4
FIVE POINT (MCN-RC)	8.0	6.0	8.0	8.0	7.7	7.3	6.7	7.0	7.7	7.4
MA 127	8.0	6.3	8.0	7.3	7.3	7.3	7.7	7.3	7.3	7.4
MAGELLAN (OD-4)	8.0	6.0	8.0	7.0	7.3	7.7	7.7	7.3	7.7	7.4
MATADOR	8.0	6.0	8.0	7.3	7.3	7.7	7.3	7.3	7.7	7.4
MRF 25	8.3	6.0	8.0	7.0	7.3	7.3	7.7	7.3	7.7	7.4
MUSTANG 3	8.0	6.0	8.0	7.0	7.3	7.7	7.3	7.7	7.7	7.4
SR 8600	8.7	6.0	8.0	7.3	7.7	7.3	7.3	7.3	7.3	7.4
TAHOE (CAS-157)	8.0	6.0	8.0	7.7	7.3	7.7	7.0	7.3	7.3	7.4
TAR HEEL	8.0	6.0	8.0	7.0	7.0	8.0	7.7	7.3	7.3	7.4
TAR HEEL II (PST-5TR1)	8.0	6.3	8.0	7.3	7.3	7.3	7.3	7.3	7.7	7.4
AVENGER (L1Z)	8.7	6.0	8.0	7.3	7.3	7.7	7.0	7.0	7.3	7.3
BAR FA 1003	8.0	6.0	8.0	7.3	7.0	7.3	7.3	7.3	7.7	7.3
BARLEXAS	8.7	6.7	8.0	7.3	7.0	7.3	7.7	7.3	7.3	7.3
DP 50-9226	8.0	6.3	8.0	7.0	7.3	7.7	7.0	7.3	7.3	7.3
EA 163	8.3	6.0	8.0	7.3	7.0	7.3	7.3	7.3	7.3	7.3
ENDEAVOR	8.0	6.0	8.0	7.0	7.0	7.3	7.7	7.3	7.3	7.3
GREMLIN (P-58)	8.0	6.0	8.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3
K01-E09	8.0	6.3	8.0	7.3	7.3	7.3	7.3	7.0	7.3	7.3
MA 158	8.3	6.0	8.0	7.0	7.0	7.7	7.3	7.3	7.7	7.3
MASTERPIECE	7.7	6.0	8.0	7.3	7.3	7.0	7.3	7.3	7.3	7.3
PROSPECT	8.0	6.7	8.0	7.3	7.0	7.3	7.3	7.3	7.3	7.3
PST-5BAB	8.0	6.0	8.0	7.3	7.7	7.3	7.0	7.0	7.3	7.3
PST-5S12	7.7	6.7	8.0	7.3	7.0	7.3	7.0	7.7	7.3	7.3
REBEL EXEDA	8.3	6.0	8.3	7.7	7.3	7.7	7.0	7.0	7.3	7.3
RIVERSIDE (PROSEEDS 5301)	8.3	6.0	8.0	7.3	7.3	7.0	7.3	7.7	7.0	7.3
SCORPION II (ATF 799)	8.0	6.0	8.0	7.3	6.7	7.3	7.7	7.3	7.3	7.3
SOUTHERN CHOICE II	8.0	6.0	7.7	7.0	7.0	7.3	7.7	7.7	7.3	7.3
TEMPEST	8.3	6.7	7.0	7.7	7.0	7.3	7.3	7.0	7.3	7.3
TRACER	9.0	6.0	8.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3
WATCHDOG	8.0	6.3	8.0	7.3	7.0	7.3	7.3	7.0	7.7	7.3
WOLFPACK	7.7	6.0	7.7	7.0	7.3	7.3	7.3	7.3	7.7	7.3
ATF 702	8.0	6.0	8.0	7.0	6.7	7.7	7.3	7.0	7.7	7.2
BARRINGTON	8.0	6.3	8.0	7.0	7.3	7.3	7.3	7.3	7.0	7.2
BLADE RUNNER (ROBERTS SM4)	8.0	6.3	8.0	7.0	7.0	7.3	7.0	7.0	7.7	7.2
BRAVO	8.0	6.0	7.7	7.0	7.0	7.3	7.0	7.3	7.3	7.2
COYOTE	8.3	6.7	8.0	7.3	7.3	7.3	7.0	7.0	7.3	7.2
COYOTE II (K01-8015)	8.0	6.0	8.3	7.3	7.0	7.3	7.3	7.0	7.3	7.2
DOMINION	8.0	6.0	8.0	7.0	7.3	7.7	7.0	7.0	7.3	7.2
FLORIDIAN (GO-FL3)	7.0	6.3	7.7	7.7	7.0	7.3	6.7	7.0	7.3	7.2
FORTE (BE-2)	8.0	6.3	8.0	7.0	7.3	7.3	7.0	7.0	7.3	7.2
GO-RD4	8.0	6.3	7.3	7.3	7.0	7.3	7.0	7.0	7.3	7.2
GUARDIAN-21 (ROBERTS DOL)	8.0	6.3	8.0	7.0	7.0	7.0	7.3	7.0	7.7	7.2
HOUNDOG 6 (CIS-TF-67)	8.0	6.0	8.0	7.0	7.0	7.3	7.0	7.3	7.3	7.2
HUNTER (CIS-TF-60)	8.0	6.3	8.0	7.7	7.0	7.0	7.0	7.3	7.3	7.2
INNOVATOR (PST-5KI)	8.0	6.7	7.7	7.0	7.0	7.3	7.3	7.0	7.7	7.2
JT-13	8.0	5.3	8.3	6.7	7.3	7.3	7.3	6.7	7.7	7.2
JT-6	8.3	6.0	8.0	7.0	7.0	7.3	7.0	7.3	7.3	7.2
LANCER	8.0	6.3	8.0	7.0	7.3	7.3	7.0	7.0	7.7	7.2
MRF 28	8.3	6.3	8.0	7.3	7.0	7.7	6.7	7.3	7.3	7.2
PST-5BZ	8.0	6.0	8.0	7.7	7.3	6.7	7.0	7.0	7.3	7.2
PST-5LO	8.3	6.0	8.0	7.0	7.0	7.3	7.7	7.0	7.3	7.2
REBEL SENTRY	8.0	6.0	7.7	7.0	7.0	7.3	7.0	7.3	7.3	7.2

----- Visual Quality -----

Tall Fescue Cultivar	GENCOLOR	GREENUP	LEAFTEX	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SOLARA (BE1)	8.0	6.0	7.3	7.3	7.3	7.3	7.0	7.0	7.3	7.2
STONEWALL (JT-18)	8.0	6.0	8.0	7.3	7.3	7.3	7.0	6.7	7.3	7.2
T991	8.0	6.0	8.0	7.0	7.0	7.7	7.0	7.3	7.3	7.2
TITANIUM (SBM)	8.3	6.3	7.7	7.3	7.3	7.0	7.0	7.3	7.3	7.2
B-7001	8.0	6.3	7.7	7.3	7.3	7.0	7.0	6.7	7.0	7.1
BARLEXAS II	7.7	6.0	8.0	7.3	7.0	7.0	7.3	6.7	7.3	7.1
BILTMORE	8.0	6.0	8.0	7.0	7.3	7.3	7.0	7.0	7.0	7.1
BONSAI	8.0	6.0	8.0	7.7	7.0	6.7	7.0	7.0	7.0	7.1
CONSTITUTION (ATF-593)	8.7	5.7	8.0	6.7	7.0	7.0	7.3	7.0	7.3	7.1
DAYTONA (MRF 23)	8.3	6.3	8.0	7.0	7.0	7.0	7.0	7.0	7.3	7.1
DYNASTY	8.3	6.0	8.0	7.0	7.0	7.3	7.0	7.0	7.3	7.1
ELISA	8.0	6.7	8.0	7.0	7.0	7.0	7.0	7.0	7.3	7.1
GO-SIU2	8.0	6.3	7.3	7.0	6.7	7.0	7.0	7.0	7.7	7.1
K01-E03	8.0	6.3	8.0	7.0	7.0	7.0	7.0	7.0	7.7	7.1
KITTY HAWK 2000	8.0	6.0	7.3	7.0	7.3	7.3	6.3	7.0	7.3	7.1
OLYMPIC GOLD	8.0	6.0	7.7	7.0	7.0	7.3	7.0	7.0	7.0	7.1
PST-5NAS	8.0	6.3	8.0	7.0	7.0	7.0	7.3	7.0	7.3	7.1
RENDITION	8.0	6.0	8.0	7.0	7.0	7.0	7.3	6.7	7.3	7.1
SERENGETI (GO-OD2)	9.0	6.3	8.0	6.7	7.0	7.3	7.0	7.3	7.3	7.1
TOMAHAWK GT	8.0	6.0	8.0	7.0	7.0	7.3	7.0	7.0	7.3	7.1
TURBO (CAS-MC1)	8.0	6.3	8.0	7.3	7.0	7.3	6.7	7.3	7.0	7.1
BINGO	8.0	6.0	7.7	6.7	7.3	7.0	7.0	7.0	7.0	7.0
JT-9	8.0	6.0	8.3	6.7	7.3	7.0	7.0	7.0	7.0	7.0
K01-8007	7.7	6.3	8.7	7.0	6.7	7.0	7.3	7.0	7.0	7.0
MRF 210	8.0	6.0	8.0	7.3	6.7	7.0	7.0	7.0	7.0	7.0
SR 8250	8.0	6.3	8.0	7.7	7.3	6.7	6.7	6.7	7.0	7.0
TF66	8.0	6.0	7.7	7.0	7.0	7.3	7.0	6.7	7.0	7.0
TULSA II (ATF 706)	8.0	6.0	8.0	7.0	7.0	7.3	7.0	6.7	7.0	7.0
APACHE III (PST-5A1)	8.3	6.0	8.0	7.0	7.0	7.0	6.7	6.7	7.0	6.9
FALCON II	7.7	6.3	8.0	7.0	6.7	6.7	7.0	7.0	7.0	6.9
MATADOR GT (PST-5TUO)	8.0	6.3	8.0	6.7	7.0	7.0	6.7	7.0	7.0	6.9
MRF 26	8.7	6.0	8.0	6.7	7.0	7.0	6.7	7.0	7.3	6.9
NA-TDD	9.0	6.3	8.0	6.7	6.7	7.0	7.0	7.0	7.0	6.9
PENN1901 (PLANTATION)	8.0	6.3	8.0	7.0	7.0	7.0	6.7	7.0	7.0	6.9
PST-5JM	8.7	6.3	8.0	6.7	7.0	7.0	6.3	7.0	7.3	6.9
PST-5KU	8.0	6.0	8.0	6.7	7.0	7.0	6.7	7.0	7.0	6.9
REGIMENT II (SRX 805)	8.0	6.0	8.0	7.0	7.0	7.0	7.0	6.7	7.0	6.9
SOUTH PAW (MRF 24)	8.0	6.3	7.0	6.7	6.7	7.0	7.0	7.0	7.0	6.9
SR 8550 (SRX 8BE4)	8.0	6.3	8.0	6.7	6.7	6.7	7.3	7.0	7.3	6.9
STETSON	8.0	6.3	7.7	7.0	7.0	6.7	7.0	6.7	7.0	6.9
ATF 586	8.0	6.0	8.0	6.7	6.7	6.7	6.7	7.0	7.0	6.8
ATF 707	8.0	6.0	8.0	7.0	6.7	7.0	6.7	6.3	7.0	6.8
ATF 806	8.0	5.7	8.0	6.7	7.0	7.0	6.7	6.3	7.0	6.8
BARRERA	8.0	6.0	7.7	7.0	6.7	7.0	6.7	6.7	7.0	6.8
GREENKEEPER WAF (K01-WAF)	8.3	6.3	8.0	7.0	6.7	7.0	6.7	6.7	6.7	6.8
JT-12	8.0	6.0	8.0	6.7	7.0	7.0	7.0	6.7	6.7	6.8
JT-15	8.0	6.0	8.0	6.0	7.0	7.0	6.7	7.0	7.3	6.8
KALAHARI	8.0	6.7	8.0	6.7	6.7	7.3	6.7	6.7	7.0	6.8
LARAMIE	8.0	6.0	8.0	7.0	7.0	6.7	6.7	6.3	7.3	6.8
MRF 27	8.0	6.0	8.0	6.7	6.7	7.0	6.7	6.7	7.0	6.8
PICK ZMG	7.7	6.0	7.3	6.7	6.7	7.0	6.7	7.0	7.0	6.8
SIGNIA	8.3	6.0	8.0	7.0	6.7	7.0	7.0	6.7	6.7	6.8
PST-53T	8.0	6.0	8.0	6.3	7.0	6.7	6.7	6.3	7.0	6.7
BAR FA 1CR7	8.0	6.3	7.7	6.3	6.3	6.7	6.7	6.3	7.0	6.6
MRF 29	8.0	6.0	8.0	6.7	6.3	6.3	6.7	6.7	6.7	6.6
PURE GOLD	8.7	6.0	8.0	6.3	6.7	6.3	6.7	6.3	6.7	6.5
KY-31 E+	6.0	6.7	6.0	5.3	5.3	5.7	5.0	5.3	5.7	5.4
LSD	0.5	1.6	0.4	1.8	1.6	1.8	1.6	2.3	1.3	1.1