

## 2001 NTEP Tall Fescue Test – 2004 Results

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### Objective

To evaluate commercial and experimental varieties of turf-type tall fescue under high maintenance conditions in central Indiana.

### Rationale

Turf-type tall fescue has many attributes such as very good drought tolerance, very good heat tolerance, moderate cold tolerance, and good wear tolerance that make it a good choice for many turf sites. Tall fescue will form a dense, attractive turf stand when properly maintained. By determining the performance of the 160 varieties, we will be able to offer sound information on which varieties of turf-type tall fescue to plant in Indiana.

### How It Was Done

One hundred and sixty varieties of turf-type tall fescue were seeded on 5 Sep 2001 at the William H. Daniel Research and Diagnostic Center on a silt loam soil. Seeding rate was 5.2 lbs per 1000 ft<sup>2</sup> and seed was spread using a hand shaker jar. After seeding the experiment was lightly raked and a starter fertilizer (8-22-16) was applied at the rate of 1.5 lbs P<sub>2</sub>O<sub>5</sub> per 1000 ft<sup>2</sup>. The area was covered with a germination blanket following seeding to prevent washing of seed and mixing of varieties.

Plots are maintained under a high maintenance regime, typical of a home lawn. The mowing height is 2 inches, mowed twice per week. The annual fertilization is 3.5 lbs. N per 1000 ft<sup>2</sup> with 1 lb applied in mid-May, 1 lb in mid-September, and 1.5 lbs. in early November. Irrigation is applied to prevent any sign of stress.

Data collected in 2004 included genetic color, green-up, leaf texture, and visual quality ratings from May to Nov. All data taken were visual observations of turf characteristics and performance. Visual quality ratings were taken using a scale of 1 to 9 with 1 = no living turf, 5 = acceptable turf, and 9 = ideal turf.

### Results to Date

- There are no statistical differences in average visual quality among the top 84 cultivars (Table 1).
- When making cultivar selections, it is best to consult the NTEP web page at [www.ntep.org](http://www.ntep.org) for complete performance data from around the country on cultivars, placing special emphasis on how cultivars perform in IN, IL, KY, MI and/or OH (depending if you are located in northern, central, or southern IN) under the specific maintenance regime you intend for that grass.

**Table 1.** Visual quality of 160 turf-type tall fescue cultivars growing under high maintenance in 2004. Color, greenup and leaf texture of 160 turf-type tall fescue cultivars growing under low maintenance in 2004.

Cultivar	Visual quality <sup>a</sup>								Genetic color <sup>b</sup>	Spring greenup <sup>c</sup>	Leaf texture <sup>d</sup>
	Apr <sup>a</sup>	May	June	July	Aug	Sep	Oct	Avg			
Guardian-21 (Roberts DOL)	7.7	7.3	7.0	5.7	7.0	7.3	6.3	6.9	7.0	7.7	7.0
Padre (NJ4)	8.0	7.0	6.3	5.7	6.7	7.3	7.0	6.9	6.7	8.0	5.7
JT-15	7.3	7.0	7.3	5.7	6.7	7.0	6.3	6.8	6.7	7.7	5.7
CIS-TF-65	7.7	5.7	7.0	6.3	7.3	7.0	5.7	6.7	7.7	7.0	5.7
CIS-TF-67	7.7	7.3	6.3	5.7	6.7	7.0	6.3	6.7	7.3	6.7	6.3
Finesse II	7.7	6.7	7.0	5.7	7.0	6.7	6.3	6.7	7.0	6.3	5.7
JT-9	7.3	6.7	7.3	5.7	6.7	7.0	6.3	6.7	7.0	6.7	6.3
Justice (RB2-01)	7.7	7.0	7.3	5.3	6.3	6.7	6.3	6.7	7.3	7.7	6.7
R-4	7.3	7.3	7.0	5.3	7.0	7.0	6.3	6.7	7.3	7.0	6.7
SR 8550 (SRX 8BE4)	8.0	7.0	6.7	5.3	6.3	7.3	6.3	6.7	7.0	6.3	5.0
Tracer	7.7	6.7	7.0	5.3	6.3	7.0	6.7	6.7	7.0	7.3	6.3
UT-RB3	7.7	6.7	7.0	5.7	7.3	7.0	5.7	6.7	7.3	7.7	5.3
01-ORU1	8.0	7.0	6.3	5.7	6.7	6.7	6.0	6.6	7.7	7.3	6.3
01-RUTOR2	7.0	6.7	7.0	5.7	6.7	6.7	6.7	6.6	7.3	7.7	6.7
2nd Millennium	7.7	6.7	6.3	5.7	7.0	7.0	6.0	6.6	7.0	7.3	6.7
ATF 702	7.7	7.0	6.3	5.3	6.7	7.0	6.0	6.6	7.7	6.3	6.0
Barrington	7.3	6.3	7.3	5.0	6.0	7.0	7.0	6.6	7.0	7.0	5.3
Blackwatch (Pick-OD3-01)	7.3	6.7	6.0	6.0	7.3	6.7	6.0	6.6	7.0	7.7	5.3
CAS-ED	8.0	6.3	6.7	5.3	6.7	7.0	6.3	6.6	7.3	7.0	5.3
CIS-TF-77	7.3	6.7	7.0	5.3	6.7	7.0	6.0	6.6	7.0	6.3	6.0
K01-E09	8.0	6.3	6.3	5.3	6.7	7.0	6.3	6.6	6.3	7.0	5.7
MRF 27	7.7	6.3	6.7	5.7	6.7	7.0	6.0	6.6	7.0	8.0	4.7
Plantation	8.0	6.7	6.3	5.3	6.3	7.0	6.7	6.6	7.0	6.7	5.3
PST-5S12	7.7	6.3	7.0	5.3	6.7	7.0	6.3	6.6	7.0	7.3	5.3
Raptor (CIS-TF-33)	7.7	6.3	6.0	6.0	7.3	6.7	6.0	6.6	7.3	6.3	6.3
Rembrandt	7.0	6.7	7.0	6.0	7.0	6.7	6.0	6.6	7.0	8.0	5.3
Turbo (CAS-MC1)	7.7	6.3	7.0	5.3	6.7	7.0	6.0	6.6	7.3	7.3	5.7
Barlexas II	7.7	6.7	6.3	5.7	6.7	6.3	6.3	6.5	7.0	7.3	5.3
Biltmore	7.3	6.3	6.0	6.0	7.0	7.0	6.0	6.5	7.0	7.3	5.0
Bingo	7.3	6.7	6.3	5.3	6.7	7.0	6.0	6.5	6.7	7.3	5.3
Constitution (ATF-593)	7.0	6.7	7.0	5.0	6.0	7.0	6.7	6.5	7.0	7.3	6.3
Forte (BE-2)	7.7	6.7	6.0	5.7	6.7	6.7	6.0	6.5	6.7	7.0	5.3

Jaguar 3	7.7	6.3	6.0	5.3	6.3	7.0	7.0	6.5	6.7	7.7	5.3
Laramie	7.7	6.3	6.7	5.7	6.3	6.7	6.0	6.5	7.0	7.3	5.0
MRF 211	7.3	6.7	6.0	5.7	7.0	6.3	6.3	6.5	7.3	7.0	5.7
MRF 25	7.7	6.7	6.3	5.3	6.7	6.3	6.7	6.5	7.0	7.7	4.7
Mustang 3	8.0	6.3	6.3	5.3	6.3	7.3	6.3	6.5	7.0	7.3	6.0
PST-5KI	7.7	6.7	7.0	5.3	6.3	6.7	5.7	6.5	7.0	7.0	6.0
Rendition	7.3	6.7	6.7	5.7	6.7	6.3	6.0	6.5	6.7	5.7	6.0
Southern Choice II	7.3	6.3	6.3	5.3	6.7	6.7	6.7	6.5	6.7	6.7	4.3
SR 8600	7.7	6.3	6.0	5.7	6.7	7.0	6.3	6.5	7.0	7.3	5.3
T991	7.7	6.3	6.3	5.3	6.3	7.0	6.3	6.5	7.0	6.3	5.3
Wyatt	7.3	6.3	6.3	5.7	6.7	6.0	7.0	6.5	6.3	7.3	5.7
ATF-800	7.3	6.0	6.7	5.0	6.3	7.0	6.3	6.4	7.0	5.7	5.7
Avenger (L1Z)	7.7	6.3	6.7	5.3	6.7	6.7	5.3	6.4	7.0	7.3	7.3
BAR Fa 1CR7	7.0	6.3	6.3	5.7	6.7	7.0	5.7	6.4	7.0	7.3	5.0
Bravo	7.7	6.3	6.3	5.3	7.0	6.3	5.7	6.4	6.3	7.3	5.0
CIS-TF-60	8.0	6.3	5.7	5.3	6.7	6.7	6.0	6.4	7.3	7.0	5.7
Davinci (LPT-7801)	7.3	6.7	7.0	5.7	6.3	6.3	5.3	6.4	6.7	6.7	6.3
Dynasty	7.7	6.7	6.7	5.3	6.3	6.7	5.3	6.4	6.7	7.0	6.7
EA 163	7.7	6.0	5.7	5.7	6.7	6.7	6.0	6.4	7.3	6.3	4.3
Focus	7.0	6.0	7.0	5.7	6.3	6.3	6.3	6.4	7.0	6.7	5.3
Inferno (JT-99)	7.3	6.0	6.7	5.7	6.7	6.3	6.3	6.4	7.0	6.3	7.0
K01-8007	7.3	6.3	6.7	5.3	6.3	6.7	6.3	6.4	7.7	6.0	5.7
Kalahari	7.3	6.3	6.0	5.7	7.0	6.3	6.3	6.4	7.0	7.0	6.3
MRF 29	7.3	6.3	6.7	5.3	6.7	6.3	6.3	6.4	7.0	7.0	5.3
NA-TDD	7.3	6.0	6.3	5.7	7.0	6.7	6.0	6.4	7.0	6.3	5.3
Olympic Gold	7.0	7.0	6.3	5.7	6.3	6.7	6.0	6.4	6.0	7.7	6.0
PST-53T	7.7	6.7	6.3	5.3	6.7	6.3	6.0	6.4	7.0	7.3	6.0
PST-57E	8.0	6.3	6.3	5.3	6.7	6.3	6.0	6.4	7.3	7.0	6.0
PST-DDL	7.0	6.7	7.0	5.0	6.7	6.3	6.0	6.4	7.7	7.0	6.7
Silverstar (PST-5ASR)	7.3	6.3	6.3	5.0	6.3	7.0	6.7	6.4	6.3	7.7	5.3
ATF 704	7.3	6.0	6.0	5.0	6.7	7.0	6.0	6.3	7.0	7.0	5.3
ATF 806	6.7	6.3	6.7	5.3	6.7	6.0	6.3	6.3	7.0	7.3	6.7
BAR Fa 1005	7.0	6.7	6.0	5.3	6.7	6.3	6.0	6.3	6.3	7.7	6.3
Finelawn Elite (DLSD)	8.0	6.0	6.0	5.7	6.3	6.7	5.3	6.3	7.0	7.7	6.7
Gremlin (P-58)	7.0	6.3	6.7	5.0	6.3	6.7	6.3	6.3	7.0	7.0	6.0
JT-18	7.3	6.3	6.7	5.3	6.3	6.3	5.7	6.3	7.3	6.7	6.3
K01-8015	7.7	6.7	6.7	5.3	6.3	6.7	4.7	6.3	7.0	4.7	6.7

K01-E03	7.0	6.3	6.7	5.0	6.3	6.7	6.3	6.3	7.3	7.0	6.7
K01-WAF	7.3	6.3	7.0	5.3	6.7	6.0	5.3	6.3	7.0	6.7	6.7
Lancer	7.7	6.0	6.0	5.7	6.3	6.7	6.0	6.3	6.7	7.7	4.3
Legitimate	7.3	6.0	6.7	5.3	6.7	6.3	5.7	6.3	6.7	7.3	4.7
MA 138	8.0	5.7	6.0	5.7	6.7	6.0	5.7	6.3	7.0	7.3	4.7
Prospect	7.7	6.3	6.0	5.0	6.0	6.7	6.3	6.3	7.0	6.7	5.3
PST-5BZ	7.0	6.3	5.7	5.7	6.7	6.7	6.3	6.3	7.0	7.7	6.3
PST-5FZD	7.0	6.7	5.7	5.3	6.3	6.7	6.7	6.3	7.0	6.3	6.3
PST-5LO	7.0	6.0	6.7	5.3	6.7	6.7	5.7	6.3	6.0	6.3	6.3
PST-5TUO	7.0	6.0	7.0	5.0	7.0	6.3	5.7	6.3	7.3	7.3	6.0
Rebel Sentry	7.3	6.3	6.0	5.3	6.3	6.7	6.0	6.3	7.0	6.3	4.7
South Paw (MRF 24)	7.3	6.3	6.3	5.3	6.3	6.3	6.0	6.3	6.0	7.0	4.7
SR 8250	7.7	6.3	6.0	5.3	6.3	6.3	6.3	6.3	7.0	7.0	5.7
Tomahawk RT	7.3	6.7	6.7	5.0	6.3	6.3	5.7	6.3	6.7	7.3	5.0
Watchdog	7.7	6.3	6.0	5.3	7.0	6.0	5.7	6.3	6.7	6.7	5.3
CIS-TF-64	7.7	6.3	6.3	5.0	6.7	6.3	5.3	6.2	6.7	7.3	5.0
Covenant (ATF 802)	7.3	6.0	6.0	5.3	6.0	6.3	6.3	6.2	6.7	7.3	6.3
Dominion	7.0	5.7	6.7	5.3	6.7	6.3	5.7	6.2	6.7	7.0	5.7
Endeavor	7.3	6.7	5.7	5.3	6.0	6.3	6.0	6.2	6.3	8.0	5.7
Falcon II	7.7	6.0	6.0	5.3	6.0	6.3	6.0	6.2	7.0	7.7	5.0
MA 158	7.3	6.3	5.7	5.7	6.0	6.7	5.7	6.2	7.0	6.7	6.0
Magellan (OD-4)	6.3	6.7	6.3	5.0	6.0	7.0	6.3	6.2	6.7	7.0	5.3
PST-5NAS	7.3	6.3	6.7	5.0	6.0	6.0	6.0	6.2	7.0	6.7	6.7
Quest	7.3	6.0	6.3	5.7	6.7	6.0	5.7	6.2	6.7	7.0	5.7
Siverado II (PST-578)	7.3	5.7	6.0	5.3	6.7	7.0	5.7	6.2	7.0	7.0	5.7
Stetson	7.0	5.7	6.7	5.0	6.3	7.0	5.7	6.2	6.0	8.0	5.3
Tahoe (CAS-157)	6.7	6.3	6.3	5.3	6.3	6.7	6.0	6.2	7.3	5.7	5.7
Tar Heel	7.3	6.7	5.3	5.3	6.0	6.7	6.0	6.2	6.7	7.7	5.0
Tar Heel II (PST-5TR1)	7.3	6.3	6.3	5.0	6.0	7.3	5.3	6.2	7.3	8.0	6.0
TF66	7.3	6.3	5.7	5.3	6.3	6.7	5.7	6.2	7.0	7.0	5.3
Titanium (SBM)	7.3	6.3	6.3	5.0	6.3	6.3	6.0	6.2	7.0	7.0	6.7
Wolfpack	7.7	6.3	6.0	5.3	6.3	6.3	5.7	6.2	7.0	7.7	6.0
ATF 799	7.3	6.0	6.3	4.7	6.3	6.3	6.0	6.1	7.0	5.7	6.0
ATF-803	7.3	6.7	5.7	5.3	6.0	6.3	5.7	6.1	6.7	7.0	5.0
Barrera	7.3	6.3	6.0	5.7	6.7	6.3	4.7	6.1	7.0	7.3	5.0
Bonsai	7.0	6.3	6.7	5.3	6.3	6.0	5.3	6.1	6.0	6.0	5.0
Cochise III (018)	7.3	6.3	6.7	5.0	6.3	6.0	5.0	6.1	7.0	6.3	5.3

DP 50-9082	7.3	6.3	6.7	5.3	6.0	6.0	5.3	6.1	6.0	5.0	5.7
Falcon IV (F-4)	6.7	6.3	5.7	5.3	6.7	6.0	5.7	6.1	6.7	7.7	6.7
Five Point (MCN-RC)	7.3	6.0	6.0	5.0	7.0	6.0	5.3	6.1	7.0	6.7	5.7
GO-OD2	7.7	6.0	6.0	5.3	6.0	6.3	5.3	6.1	6.7	7.3	5.0
GO-RD4	7.3	6.3	6.3	5.3	6.3	5.7	5.3	6.1	6.3	6.7	4.0
GO-SIU2	7.3	6.0	5.7	5.3	6.3	6.3	6.0	6.1	7.0	6.7	5.3
Grande II	8.0	6.3	6.0	5.3	6.3	6.3	4.7	6.1	6.7	6.3	5.7
Guardian-21 (Roberts SM4)	6.7	6.0	6.0	5.0	6.0	7.0	5.7	6.1	6.7	7.3	5.7
JT-12	6.7	6.3	6.0	5.3	6.7	6.3	5.3	6.1	6.7	7.0	6.0
MRF 28	7.3	6.0	6.3	5.0	6.3	6.0	6.0	6.1	6.7	6.3	4.7
Pick TF H-97	7.0	5.7	6.0	5.7	5.7	6.7	5.7	6.1	6.3	6.3	5.0
PST-5BAB	7.7	6.3	6.0	5.0	6.0	5.7	5.7	6.1	7.0	6.7	6.3
PST-5JM	7.3	6.3	6.0	5.0	6.0	6.3	5.7	6.1	6.7	6.3	5.7
PST-5KU	7.3	5.7	6.7	5.3	6.3	6.0	5.7	6.1	7.0	6.7	5.7
Rebel Exeda	7.7	6.0	6.0	5.3	6.0	6.3	5.7	6.1	7.0	6.7	7.3
Riverside (ProSeeds 5301)	6.7	6.3	5.3	5.7	6.7	6.0	5.7	6.1	7.0	7.3	6.0
Scorpion	7.7	6.0	6.0	5.0	6.0	6.0	6.0	6.1	7.0	7.0	5.0
SRX 805	8.0	6.0	6.0	5.0	6.3	6.0	5.7	6.1	7.7	5.7	5.7
Tempast	7.7	6.0	5.3	5.7	6.7	5.7	5.3	6.1	6.3	7.0	4.7
Titan Ltd.	7.7	6.3	5.7	5.3	6.0	6.3	5.7	6.1	6.3	5.0	5.7
ATF 586	7.0	6.0	5.7	5.3	6.0	5.7	6.0	6.0	6.7	5.3	5.3
ATF 707	7.0	5.3	5.7	5.7	6.3	6.0	5.7	6.0	7.0	6.0	4.7
B-7001	7.0	5.7	6.0	5.0	6.7	6.0	5.7	6.0	6.3	8.3	5.0
Barlexas	6.7	6.3	5.0	5.0	6.0	7.0	6.0	6.0	7.0	7.3	6.0
BE1	6.7	6.0	6.3	5.3	6.7	6.3	5.0	6.0	7.0	7.0	6.0
Coyote	7.7	6.0	5.0	5.0	6.0	6.0	6.0	6.0	7.0	6.0	5.3
JT-13	7.0	6.0	6.0	5.3	6.3	6.0	5.3	6.0	6.7	7.0	5.3
JT-6	7.0	6.3	5.7	5.0	6.0	6.3	5.7	6.0	6.7	6.3	5.7
Matador	7.7	5.7	6.0	5.0	6.3	6.0	5.3	6.0	6.7	7.3	6.0
Picasso	7.3	5.7	5.7	5.3	6.3	6.0	6.0	6.0	7.0	7.0	5.7
PST-5T1	7.0	6.0	6.3	5.3	6.3	5.7	5.3	6.0	7.0	7.0	6.7
Signia	7.0	5.7	6.0	5.0	6.3	6.0	5.7	6.0	7.0	6.0	5.0
Cayenne	7.0	6.3	5.7	5.3	6.0	5.7	5.0	5.9	7.3	7.0	6.0
DP 50-9226	7.3	6.3	5.3	5.0	6.0	6.0	5.7	5.9	6.0	6.7	4.3
MA 127	7.3	5.7	5.7	5.3	6.3	6.0	4.7	5.9	7.0	7.3	5.0
MRF 210	6.7	6.0	6.0	4.7	5.7	6.7	5.7	5.9	7.0	7.0	4.7
MRF 26	7.3	5.3	5.7	5.3	6.3	6.0	5.7	5.9	7.3	6.7	5.3

Pick ZMG	6.7	5.7	6.3	4.7	6.3	6.0	5.3	5.9	7.0	7.0	5.0
Pick-00-AFA	7.3	6.0	5.7	5.3	6.3	6.0	5.0	5.9	7.0	6.0	6.0
Pure Gold	7.3	6.3	5.7	5.3	6.0	5.3	5.3	5.9	6.3	6.3	5.3
UT-155	7.3	6.0	5.7	5.0	6.0	6.0	5.0	5.9	7.7	6.7	4.7
01-TFOR3	7.3	6.0	5.3	5.0	6.0	6.3	5.0	5.8	7.0	8.0	5.3
GO-FL3	7.0	6.0	5.3	5.3	6.3	6.0	5.0	5.8	6.3	6.7	4.3
Kitty Hawk 2000	6.7	5.7	5.7	5.3	6.3	5.7	5.3	5.8	6.3	7.3	5.0
PST-5A1	6.3	6.0	6.0	5.0	6.0	6.0	5.0	5.8	7.0	6.7	5.7
Tulsa II (ATF-706)	7.3	5.7	6.0	5.0	6.0	5.7	5.0	5.8	6.3	6.7	4.7
DLF-J210	7.0	5.7	5.0	5.0	6.0	5.3	5.7	5.7	7.0	6.0	5.3
Elisa	6.3	5.7	5.7	5.0	6.0	6.0	5.3	5.7	5.0	6.0	5.0
Millennium	7.3	5.3	5.3	5.3	6.3	5.3	5.3	5.7	6.7	6.3	6.0
Daytona (MRF 23)	6.7	5.7	5.3	4.7	5.7	6.3	4.7	5.6	6.7	7.3	4.3
BAR Fa 1003	6.7	5.0	5.0	5.7	5.3	5.7	4.3	5.4	6.3	6.0	5.0
JTTF-2000	6.3	5.7	5.0	5.0	6.0	4.7	4.3	5.3	6.3	6.0	5.3
Masterpiece	6.3	5.0	5.0	5.3	6.0	5.0	4.7	5.3	6.7	7.7	5.3
Ky-31 E+	5.7	4.7	4.3	4.7	5.7	5.0	4.7	5.0	4.0	5.3	2.3
LSD (0.05)	1.1	1.0	1.2	0.7	0.8	1.1	1.1	0.6	1.0	1.5	1.5

<sup>a</sup> Visual quality ratings were taken using a scale of 1 to 9 with 1 = no living turf, 5 = acceptable turf, and 9 = ideal turf.

<sup>b</sup> Color was rated on a scale of 1 to 9 where 1 = light green and 9 = ideal dark green.

<sup>c</sup> Spring greenup was rated on a scale of 1 to 9 where 1 = light green and 9 = ideal dark green.

<sup>d</sup> Leaf texture was rated visually on a scale of 1 to 9 where 1 = coarse bladed and 9 = very fine bladed.