

## 2001 NTEP Tall Fescue Test – 2005 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 during 2005 included genetic color, green-up and visual quality ratings from April to Oct. 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 53 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.

### Acknowledgments

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**Table 1.** Visual quality, genetic color and greenup of 160 turf-type tall fescue cultivars growing under high maintenance in 2005.

Cultivar	Visual quality <sup>a</sup>								Genetic color <sup>b</sup>	Spring greenup <sup>c</sup>
	Apr <sup>a</sup>	May	June	July	Aug	Sep	Oct	Avg		
GO-OD2	6.7	6.3	6.7	7.0	7.7	7.7	7.7	7.1	8.3	7.0
PST-DDL	7.7	6.3	5.7	6.7	6.7	7.3	8.3	7.0	8.0	7.3
SR 8250	7.3	6.7	6.3	5.7	7.0	7.7	8.0	7.0	8.0	6.7
Watchdog	7.7	6.0	6.0	6.3	7.3	7.3	7.7	6.9	8.0	7.3
Riverside (ProSeeds 5301)	7.3	5.7	6.7	6.7	7.3	7.3	7.3	6.9	8.0	7.7
Millennium	7.3	5.7	7.0	6.3	6.7	7.0	8.0	6.9	8.0	7.3
Tar Heel	6.7	6.7	6.3	6.3	7.0	7.3	7.7	6.9	7.7	7.3
SR 8600	6.7	6.3	5.7	6.3	7.7	7.7	7.7	6.9	8.0	7.0
SRX 805	7.0	7.0	5.7	6.0	7.3	7.3	7.7	6.9	7.7	7.3
PST-5KI	7.0	6.7	6.3	6.0	7.0	7.0	7.7	6.8	8.0	7.0
JT-18	7.0	5.7	6.3	6.7	7.3	7.3	7.3	6.8	8.0	8.0
Signia	6.7	6.0	6.3	6.3	7.0	7.3	7.7	6.8	8.0	6.7
Inferno (JT-99)	7.0	6.7	6.0	6.0	7.0	7.0	7.7	6.8	8.0	6.7
01-RUTOR2	7.0	6.7	5.3	6.0	7.0	7.3	8.0	6.8	8.0	8.0
MRF 27	7.0	6.0	5.7	6.0	7.3	7.7	7.7	6.8	8.0	6.7
MRF 211	7.0	5.7	5.0	6.7	7.7	7.7	7.7	6.8	8.0	6.7
Falcon IV (F-4)	7.3	6.0	6.0	5.7	6.7	7.3	8.0	6.7	8.0	7.0
K01-8015	7.0	7.0	4.3	6.3	7.0	7.3	8.0	6.7	8.0	6.7
ATF-800	7.0	5.7	5.3	6.7	7.3	7.3	7.7	6.7	7.3	7.7
Avenger (L1Z)	7.0	6.3	6.3	5.0	7.0	7.7	7.7	6.7	8.0	6.7
Titanium (SBM)	7.3	6.0	6.0	5.7	7.3	7.0	7.7	6.7	8.0	7.7
Pick-00-AFA	7.0	6.3	5.7	5.7	7.0	7.3	8.0	6.7	8.0	6.3
PST-5T1	7.3	5.3	5.7	6.3	7.3	7.3	7.7	6.7	8.0	7.0
PST-53T	6.7	6.0	5.7	6.7	7.0	7.3	7.7	6.7	8.0	7.7
K01-WAF	7.3	6.3	5.3	5.7	7.3	7.3	7.7	6.7	8.0	7.0
NA-TDD	7.0	7.0	5.3	5.7	7.0	7.0	7.7	6.7	8.0	6.0
T991	7.0	6.3	5.7	5.7	7.0	7.3	7.7	6.7	7.7	6.7
CIS-TF-77	7.0	6.3	6.0	5.7	6.7	7.0	8.0	6.7	8.0	6.7
PST-5NAS	7.0	6.0	4.7	6.0	7.0	8.0	8.0	6.7	8.0	6.7
PST-5LO	7.3	5.7	6.3	6.0	6.7	7.0	7.7	6.7	8.0	7.0
Matador	7.0	5.7	5.3	6.3	7.3	7.3	7.7	6.7	8.0	7.3
JT-9	7.0	6.3	5.0	6.0	7.3	7.3	7.7	6.7	8.0	8.0
Barrington	6.7	6.7	5.7	6.7	6.3	6.7	7.7	6.6	7.7	7.0
Jaguar 3	7.0	5.3	5.3	5.7	7.3	7.3	8.3	6.6	8.0	7.0
MA 127	6.3	6.7	5.0	5.7	7.3	7.7	7.7	6.6	8.0	7.3
Picasso	7.0	6.0	6.3	6.0	6.0	7.0	8.0	6.6	8.0	6.7

Masterpiece	6.7	5.7	6.3	6.3	6.7	7.0	7.7	6.6	8.0	6.7
UT-RB3	7.0	6.0	5.7	6.0	7.3	7.0	7.3	6.6	8.0	7.3
Scorpion	6.7	6.0	5.7	6.0	7.0	7.3	7.7	6.6	8.3	7.0
CIS-TF-60	7.0	6.0	5.7	6.3	7.0	7.0	7.3	6.6	8.0	7.0
Finesse II	7.0	6.3	6.3	5.7	6.3	6.7	7.7	6.6	8.0	7.3
Dominion	7.0	6.0	6.0	5.7	6.7	7.3	7.3	6.6	8.0	6.3
2nd Millennium	7.0	6.0	6.0	6.0	6.7	6.7	7.7	6.6	8.0	7.0
Magellan (OD-4)	7.0	7.3	5.3	5.0	7.0	7.0	7.3	6.6	8.0	7.3
Cayenne	7.0	5.7	5.7	5.7	6.7	7.3	8.0	6.6	8.0	7.0
PST-5A1	7.0	6.0	6.0	5.7	7.0	7.0	7.3	6.6	8.0	7.0
Wolfpack	7.0	6.3	6.0	6.7	6.0	6.7	7.3	6.6	7.7	8.0
JT-6	7.0	6.0	6.3	6.3	6.0	6.7	7.7	6.6	8.0	7.0
SR 8550 (SRX 8BE4)	7.0	5.7	5.7	5.3	7.0	7.7	7.7	6.6	8.0	6.0
Rembrandt	6.7	6.0	6.3	6.3	6.3	7.0	7.3	6.6	8.0	7.3
Falcon II	6.3	6.0	6.7	6.3	6.3	6.7	7.7	6.6	7.7	7.3
K01-8007	6.7	5.3	5.3	6.7	6.7	7.3	8.0	6.6	8.0	6.7
Plantation	7.0	5.7	5.7	5.7	7.3	7.7	7.0	6.6	8.0	6.7
Blackwatch (Pick-OD3-01)	6.3	5.7	5.7	6.3	6.7	7.3	7.7	6.5	8.0	6.7
ATF 806	7.3	6.0	5.0	6.7	6.3	6.7	7.7	6.5	8.0	7.3
Pick ZMG	7.3	5.3	4.7	6.0	7.0	7.7	7.7	6.5	8.0	7.0
B-7001	6.7	6.0	6.0	5.7	7.0	7.0	7.3	6.5	8.0	7.7
Constitution (ATF-593)	7.0	6.3	5.3	5.3	6.7	7.3	7.7	6.5	8.0	7.3
BAR Fa 1005	7.0	5.3	5.7	6.0	7.0	7.0	7.7	6.5	8.0	7.3
Guardian-21 (Roberts DOL)	7.0	5.0	6.0	5.7	6.7	7.3	8.0	6.5	8.0	7.7
PST-5JM	6.7	5.7	5.7	5.3	7.3	7.3	7.7	6.5	8.0	6.0
Silverstar (PST-5ASR)	7.0	5.3	5.3	6.3	7.0	7.3	7.3	6.5	8.0	7.7
01-ORU1	6.3	6.3	5.0	6.3	6.7	7.3	7.7	6.5	8.0	7.0
GO-RD4	6.3	6.0	6.3	6.0	6.7	7.0	7.3	6.5	7.7	6.7
Rebel Exeda	6.7	6.0	5.7	6.3	6.3	6.7	7.7	6.5	8.0	6.3
Rebel Sentry	6.3	6.3	6.3	6.0	6.7	6.7	7.0	6.5	8.0	7.0
Finelawn Elite (DLSO)	7.0	5.0	5.7	5.7	7.0	7.0	8.0	6.5	8.0	6.7
BAR Fa 1003	7.0	5.0	5.0	6.0	7.0	7.3	8.0	6.5	8.0	6.7
Tar Heel II (PST-5TR1)	7.0	6.0	5.3	5.7	6.7	7.0	7.7	6.5	8.0	7.7
Quest	7.3	5.7	5.0	6.7	6.7	6.7	7.3	6.5	7.7	7.3
Tahoe (CAS-157)	6.7	6.3	5.7	6.0	6.7	7.0	7.0	6.5	8.0	6.3
Cochise III (018)	7.3	5.3	5.3	5.3	7.3	7.0	7.7	6.5	7.7	7.0
TF66	6.7	6.3	5.3	5.7	6.7	7.0	7.7	6.5	8.3	7.0
Raptor (CIS-TF-33)	6.0	5.7	5.3	6.0	7.3	7.3	7.7	6.5	8.0	7.0
Gremlin (P-58)	7.0	5.0	5.7	6.7	6.3	7.0	7.7	6.5	8.0	6.7

PST-5KU	7.3	5.3	4.7	6.3	7.0	7.3	7.3	6.5	8.0	7.0
MRF 29	6.7	5.7	6.0	6.0	6.7	7.0	7.3	6.5	8.0	6.7
Tracer	5.7	6.0	6.0	7.0	6.0	6.7	7.7	6.4	8.0	6.3
PST-57E	7.0	5.7	5.0	6.3	6.7	7.0	7.3	6.4	8.0	8.0
PST-5FZD	7.3	6.0	6.0	5.7	6.0	6.7	7.3	6.4	8.0	6.3
Tomahawk RT	6.3	6.3	6.0	6.0	6.7	6.7	7.0	6.4	8.3	8.0
JT-13	6.7	5.7	5.3	6.3	6.7	6.7	7.7	6.4	8.0	7.7
GO-FL3	6.3	5.3	6.3	6.3	6.3	6.7	7.7	6.4	7.3	7.0
MRF 28	6.7	5.3	5.7	6.0	6.3	7.3	7.7	6.4	8.0	7.0
Barlexas	6.3	6.7	5.7	5.7	6.3	6.7	7.3	6.4	8.0	6.3
Tulsa II (ATF-706)	6.3	5.7	5.7	6.0	6.3	7.0	7.7	6.4	8.0	6.7
ATF 702	6.7	5.7	5.7	5.7	6.7	7.0	7.3	6.4	8.0	7.0
ATF 799	6.7	6.0	4.7	6.7	6.3	7.0	7.3	6.4	8.0	6.0
CIS-TF-67	6.7	5.7	5.3	6.0	6.7	7.0	7.3	6.4	8.0	7.3
Siverado II (PST-578)	7.0	6.0	5.7	5.3	6.3	6.7	7.7	6.4	8.0	7.0
Pure Gold	6.3	5.7	6.0	6.0	6.7	6.7	7.3	6.4	8.0	7.0
01-TFOR3	6.7	6.3	5.3	6.0	6.3	6.3	7.7	6.4	8.0	7.0
Legitimate	6.7	5.3	6.0	6.0	6.3	7.0	7.3	6.4	7.7	7.0
Tempast	6.7	5.7	5.3	5.7	6.7	7.0	7.7	6.4	8.0	6.7
Justice (RB2-01)	7.7	5.7	5.3	5.7	6.0	7.0	7.0	6.3	8.0	7.3
R-4	7.0	5.7	5.3	5.3	6.3	7.0	7.7	6.3	8.0	6.3
ATF 586	6.7	6.7	5.0	5.3	6.7	6.7	7.3	6.3	8.0	6.3
Kitty Hawk 2000	7.0	5.7	4.7	5.7	7.0	7.0	7.3	6.3	8.0	7.0
Rendition	6.7	7.0	5.0	6.0	6.3	6.3	7.0	6.3	8.0	6.0
Laramie	7.0	5.3	4.7	5.3	7.0	7.3	7.7	6.3	7.7	7.3
Dynasty	6.7	6.0	5.7	7.0	5.7	6.3	7.0	6.3	8.0	7.0
PST-5TUO	6.7	7.0	4.7	6.0	6.3	6.3	7.3	6.3	8.0	7.3
DP 50-9226	7.0	5.7	4.7	6.0	6.7	6.7	7.7	6.3	7.7	7.7
Prospect	6.3	5.3	6.0	5.7	6.7	6.7	7.3	6.3	8.0	6.3
CIS-TF-65	7.0	5.3	5.3	5.7	6.7	7.0	7.0	6.3	8.0	7.0
JTTF-2000	6.7	6.0	5.3	5.3	6.3	7.0	7.3	6.3	8.0	6.3
PST-5S12	5.3	5.7	5.7	5.7	7.0	7.3	7.3	6.3	8.0	7.0
Endeavor	7.0	5.7	5.7	5.3	6.3	6.7	7.3	6.3	8.0	7.3
JT-15	6.3	5.7	5.3	6.3	6.3	6.7	7.3	6.3	8.0	7.7
EA 163	6.3	6.3	5.7	5.0	6.3	7.0	7.3	6.3	8.0	6.3
Padre (NJ4)	6.7	6.0	4.7	5.0	7.3	7.0	7.3	6.3	7.7	7.3
BE1	6.7	6.3	4.7	6.0	6.3	6.7	7.3	6.3	8.0	7.0
Davinci (LPT-7801)	6.7	5.3	5.3	5.3	6.3	7.0	7.7	6.2	8.0	7.3
Forte (BE-2)	6.3	5.7	6.0	6.0	6.0	6.3	7.3	6.2	8.0	6.7

ATF 707	6.7	5.7	5.0	5.0	7.0	7.0	7.3	6.2	7.7	6.3
Bravo	6.3	6.7	5.0	5.3	6.3	6.7	7.3	6.2	8.0	6.7
Lancer	6.3	6.0	4.3	5.3	6.7	7.3	7.7	6.2	8.0	7.0
K01-E03	5.3	6.0	4.3	6.3	7.0	7.0	7.7	6.2	8.0	7.3
DLF-J210	6.7	6.0	4.7	6.0	6.7	6.7	7.0	6.2	8.0	6.7
MA 158	7.3	5.7	4.3	5.3	7.0	7.0	7.0	6.2	8.0	6.3
Turbo (CAS-MC1)	6.0	6.3	4.7	6.0	6.7	7.0	7.0	6.2	8.0	7.3
CAS-ED	6.3	6.7	5.0	5.7	6.0	7.0	7.0	6.2	8.0	7.7
Grande II	6.3	6.3	5.0	5.3	6.7	6.7	7.3	6.2	7.7	6.7
MRF 26	6.7	5.7	5.3	5.7	6.7	6.7	7.0	6.2	8.0	7.0
MRF 210	6.3	5.3	5.3	5.7	7.0	7.0	7.0	6.2	7.7	7.3
ATF-803	7.0	5.7	4.7	5.3	6.7	7.0	7.3	6.2	8.0	6.7
Pick TF H-97	6.3	6.0	5.0	5.3	6.7	7.0	7.3	6.2	7.7	6.3
South Paw (MRF 24)	6.0	5.7	5.3	5.7	6.7	7.0	7.3	6.2	8.0	7.3
PST-5BZ	7.0	6.0	5.0	5.0	6.0	6.7	7.7	6.2	8.0	6.0
Elisa	6.7	6.0	6.0	4.3	6.3	7.0	7.0	6.2	7.3	5.7
Barlexas II	6.3	5.3	5.3	6.3	6.3	6.7	7.0	6.2	7.7	7.3
Five Point (MCN-RC)	6.3	6.3	5.3	5.3	6.0	6.7	7.3	6.2	8.0	6.7
Olympic Gold	5.7	5.0	5.3	5.7	7.0	7.3	7.3	6.2	7.7	7.3
Coyote	6.3	6.0	4.7	6.0	6.7	6.7	7.0	6.2	7.3	7.3
BAR Fa 1CR7	6.3	6.3	4.7	5.7	6.3	6.7	7.3	6.2	7.7	7.0
MRF 25	6.3	5.7	5.0	6.0	6.3	6.7	7.3	6.2	8.0	7.0
ATF 704	7.3	6.0	4.7	6.0	6.0	6.0	7.0	6.1	8.0	6.3
CIS-TF-64	6.3	5.0	5.3	5.3	6.3	7.0	7.7	6.1	8.0	7.0
Guardian-21 (Roberts SM4)	6.7	5.0	5.3	5.3	6.3	6.7	7.7	6.1	7.7	7.3
MA 138	6.7	6.3	4.7	5.7	6.0	6.3	7.0	6.1	8.0	6.3
UT-155	6.7	6.0	5.0	5.0	6.0	6.7	7.3	6.1	8.0	6.7
Bonsai	6.7	5.3	4.3	5.3	6.7	7.0	7.0	6.0	8.0	7.0
Mustang 3	7.0	5.3	4.7	5.7	6.3	6.3	7.0	6.0	7.7	8.0
Bingo	6.7	5.3	4.3	5.3	6.3	7.0	7.3	6.0	8.0	7.3
Southern Choice II	6.3	5.3	5.7	5.7	6.0	6.3	7.0	6.0	8.0	6.7
Stetson	5.7	6.0	4.3	5.0	6.7	7.0	7.0	6.0	7.0	7.0
Wyatt	6.0	5.3	4.3	6.0	6.0	6.7	7.3	6.0	7.7	7.7
DP 50-9082	6.3	5.0	4.3	6.3	6.0	6.3	7.3	6.0	7.3	6.3
Barrera	6.0	5.7	4.7	5.7	5.7	6.3	7.7	6.0	8.0	6.0
Titan Ltd.	6.0	5.7	5.0	5.0	6.3	6.3	7.0	5.9	8.0	6.0
Biltmore	7.3	5.7	4.3	5.0	6.0	6.0	7.0	5.9	8.0	6.3
Focus	6.3	5.3	4.7	5.0	6.0	6.7	7.0	5.9	8.0	6.3
PST-5BAB	6.0	6.0	4.7	5.3	6.0	6.0	6.7	5.8	7.3	6.3

GO-SIU2	6.0	4.3	6.0	4.7	5.7	6.7	7.3	5.8	8.0	7.0
Covenant (ATF 802)	6.7	5.3	4.3	5.7	5.7	6.0	6.3	5.7	7.3	6.7
K01-E09	7.0	4.3	4.3	5.3	6.0	6.3	6.7	5.7	6.7	7.0
JT-12	5.7	5.0	4.7	5.3	5.7	6.3	6.7	5.6	8.0	7.3
Daytona (MRF 23)	5.3	4.7	4.3	4.3	5.7	6.3	7.0	5.4	7.7	6.3
Ky-31 E+	5.3	5.0	4.7	5.0	5.7	5.7	6.3	5.4	6.7	6.0
Kalahari	4.7	4.3	4.7	5.0	5.3	6.0	6.7	5.2	7.0	6.3
LSD(0)	1.3	1.4	1.9	1.5	2.1	1.6	0.9	0.5	0.5	1.4

<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 = dark green.

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