



**GOLIATH** is a new Tall Fescue variety to **CONQUER** the market. **GOLIATH** is an endophyte-free tall fescue, with good rust resistance. **GOLIATH** has a high nutritive value making this an excellent fall stockpiled feed.

Notable Characteristics

- Endophyte Free
- PERSISTANT
- Drought and Heat Tolerant
- High Feed Quality
- Excellent Regrowth
- Produces Large Amounts of Lush Forage

| Arlington Agricultural Research Station, Arlington, WISCONSIN, USA 2008 |                |                                 |             |             |             |                    |
|---|----------------|---------------------------------|-------------|-------------|-------------|--------------------|
| Seeding of Cool Season Grasses  |                | 2008 harvested yield(tons/acre) |             |             |             | 2008               |
| Yield Trial   |                |                                 |             |             |             | Total <sup>^</sup> |
| Species   | Variety        | 4-Jul                           | 26-Jul      | 6-Sep       | 12-Oct      | ton/a              |
| Tall fescue   | <b>GOLIATH</b> | <b>0.49</b>                     | <b>1.76</b> | <b>2.11</b> | <b>0.92</b> | <b>5.28</b>        |
| Festulolium   | AMP EDR3       | 1.13                            | 2.06        | 0.93        | 0.87        | 4.98               |
| Tall fescue   | KY31+          | 0.45                            | 1.54        | 1.87        | 0.80        | 4.66               |
| Festulolium   | SPRING GREEN   | 0.89                            | 2.02        | 0.96        | 0.69        | 4.57               |
| LSD 5%  |                |                                 |             |             |             | 1.3                |
| CV %  |                |                                 |             |             |             | 13.4               |

<sup>^</sup>Variety means are LSMEANS derived from nearest neighbor statistical analysis. Therefore, season or multiple-year totals will not be the arithmetic sum of individual cuts or years, respectively.

**Forage Yield of Tall Fescue Cultivars, Kansas State University  
Southeast Agriculture Research Center, 2007 (Seeded in 2003)**

| Cultivar       | 5/23/07<br>Tons/acre | 8/28/07<br>Tons/acre | 12/5/07<br>Tons/acre | Total 2007<br>Tons/acre | 4-Year Total |
|----------------|----------------------|----------------------|----------------------|-------------------------|--------------|
| <b>GOLIATH</b> | <b>2.20</b>          | <b>1.28</b>          | <b>1.73</b>          | <b>5.20</b>             | <b>15.87</b> |
| Stockman       | 2.38                 | 1.32                 | 1.62                 | 5.32                    | 15.69        |
| Tuscany II     | 2.53                 | 1.41                 | 1.51                 | 5.45                    | 15.65        |
| Jessup MaxQ    | 2.40                 | 1.28                 | 1.43                 | 5.11                    | 15.23        |
| KY-31 E+       | 2.47                 | 1.32                 | 1.68                 | 5.47                    | 15.58        |
| KY-31 E-       | 2.53                 | 1.87                 | 1.66                 | 6.06                    | 15.58        |

**Method of Seeding & Seeding Rates:**

Use a Brillion seeder, a no-till drill or broadcast followed by a culti-packer. Plant ¼” deep.

**New pasture:** 25-30 lbs. /acre

**Renovation/Overseeding existing pastures:** 15-20 lbs. /acre

**Grazing and Harvest Tips:**

**GOLIATH** is highly palatable; avoid over grazing. Graze at approximately 10-12 inches and remove animals when at 5-6 inches. **GOLIATH** is well adapted to many management schemes and growing conditions. As with any forage, management practices dictate the yield and quality of the forage nearly as much as the genetics of the product. With proper management practices, **GOLIATH** should provide high yielding, high quality forage that should result in improved producer profitability.

**Management Tips:**

**GOLIATH** is a deep-rooted, perennial grass that is productive, drought and heat tolerant. It is best suited to high fertility and heavy soils, withstanding acid, alkaline and poorly drained soils. Best growth is achieved during spring and fall seasons, with moderate growth during the summer season. Grazing control in spring should be more frequent in order to prevent seed head development. Seed heads can be removed by mowing. **Both endophyte free and novel endophyte varieties should not be over-grazed or harvested (closer than 5-6 inches) during the summer.** **GOLIATH** works well with white and red clover, as well as alfalfa. First harvest of hay should be cut in the late boot stage for high quality. Subsequent harvests can be made as growth permits. Fall stockpiling works extremely well with **GOLIATH**.

Technical data herein is solely a compilation of observations from various geographical areas, conditions, and laboratory tests. Growing results, including varietal characteristics and performance, vary depending on region, climate, soil, seed enhancements, environmental conditions, local management practices and other factors. AMPAC Seed DOES NOT GUARANTEE growing success. Any technical advice by AMPAC Seed concerning the use of its seeds is given without charge. Therefore, AMPAC Seed disclaims any warranty and disclaims all liability for such advice.

