



MAGELLAN

TALL FESCUE

MAGELLAN is an all around excellent turf performer. MAGELLAN turf type tall fescue is a new release originally selected from the prestigious Rutgers University turfgrass breeding program. MAGELLAN is otherwise known as experimental variety OD-4. It is a top performer in shorter mowed high maintenance turf. Under taller mowing conditions and less fertility and irrigation, MAGELLAN ranks in the top group again.

The variety has a dark green genetic color that allows it to match with many of the newest tall fescues, perennial ryegrass or Kentucky bluegrasses in turf mixes. It has an open foliar canopy to resist fungal attacks from brown patch disease.

MAGELLAN tall fescue is early to greenup in the springtime. It provides a dense turf carpet in the summer and through the fall growing season. This variety is a successful performer in the traditional tall fescue use areas of the United States. You don't have to search far to see that MAGELLAN turf type tall fescue will work well for your lawn care needs.

- *High turf performer in NTEP trials*
- *Widely adaptable*
- *Improved brown patch resistance*
- *Endophyte enhanced*
- *Improved vigor and darker color*



Photo taken at Rutgers University August 2007



"Technology for a Greener Tomorrow"

Phone 623-572-4907

Fax 623-566-1436



MAGELLAN

TALL FESCUE

- High turf performer in NTEP trials
- Widely adaptable
- Improved brown patch resistance
- Endophyte enhanced
- Improved vigor and darker color

| Variety | AL2 Crossville | AR1 Fayetteville | CA3 Riverside | GA1 Griffin | IA1 Ames | IL1 Urbana | IL2 Carbondale | IN1 W Lafayette | KS2 Wichita | KY1 Lexington | MA1 Amherst | MD1 College Park | MI1 E. Lansing | MO1 Columbia | NC1 Raleigh |
|----------|-------------------|---------------------|------------------|----------------|-------------|---------------|-------------------|--------------------|----------------|------------------|----------------|---------------------|-------------------|-----------------|----------------|
| Magellan | 5.3 | 5.8 | 6.7 | 6.2 | 6.4 | 5.9 | 7.2 | 6.4 | 4.9 | 6.9 | 5.1 | 6.6 | 6.2 | 5.4 | 5.7 |
| TQ High | 5.9 | 6.3 | 6.8 | 6.6 | 7.3 | 6.3 | 7.5 | 6.8 | 5.4 | 7.5 | 5.5 | 6.6 | 6.4 | 5.7 | 6.1 |
| TQ Low | 4.3 | 3.0 | 4.8 | 5.2 | 4.9 | 4.0 | 5.0 | 3.9 | 3.5 | 3.9 | 3.8 | 3.1 | 4.2 | 3.5 | 4.6 |
| LSD | 0.6 | 1.0 | 0.5 | 0.7 | 0.8 | 1.1 | 1.1 | 0.6 | 0.8 | 0.8 | 0.6 | 0.8 | 0.6 | 0.7 | 0.8 |

Out of 160 varieties in the new NTEP trial on Tall Fescue

= top rated within LSD value

= top rated

| Variety | NE1 Mead | NJ1 N. Brunswick | NJ2 Adelphia | NM1 Las Cruces | NY1 Ithaca | OK1 Stillwater | PA1 Univ. Park | SD1 Brookings | TX1 Dallas | TX3 Lubbock | UT1 Logan | VA1 Blacksburg | WA1 Pullman | WA3 Puyallup | WI1 Madison |
|----------|-------------|---------------------|-----------------|-------------------|---------------|-------------------|-------------------|------------------|---------------|----------------|--------------|-------------------|----------------|-----------------|----------------|
| Magellan | 7.0 | 5.2 | 5.3 | 6.5 | 6.3 | 6.8 | 6.8 | 6.4 | 5.9 | 4.7 | 5.0 | 6.2 | 6.9 | 4.6 | 4.8 |
| TQ High | 7.6 | 6.6 | 6.6 | 7.0 | 6.7 | 7.0 | 7.4 | 7.7 | 6.4 | 5.7 | 6.0 | 7.1 | 7.2 | 5.4 | 5.3 |
| TQ Low | 4.2 | 1.2 | 1.1 | 5.1 | 5.6 | 5.8 | 3.5 | 3.3 | 4.3 | 4.6 | 3.0 | 4.0 | 3.4 | 3.7 | 3.4 |
| LSD | 0.7 | 0.9 | 0.7 | 0.7 | 0.1 | 0.5 | 0.8 | 0.5 | 1.2 | 0.6 | 0.8 | 1.2 | 0.6 | 0.5 | 0.9 |

2001 National Tall Fescue Test 2002-05 Data Final Report NTEP No. 06-12

| Variety | Magellan | High | Low | LSD |
|---|----------|------|------|------|
| Turf Quality Summary | 6.0 | 6.2 | 5.1 | 0.2 |
| Turf Quality Schedule A | 6.0 | 6.3 | 3.6 | 0.2 |
| 1.5-2 INCH MOWING HEIGHT 3 - 5 lbs. N/1000 FT2/YEAR IRRIGATION | | | | |
| Turf Quality Schedule B | 5.8 | 6.1 | 4.3 | 0.3 |
| 2.5 - 3.5 INCH MOWING HEIGHT 0 - 2 lbs. N/1000 FT2/YEAR NO IRRIGATION | | | | |
| Turf Quality under Traffic Stress (MI) | 5.4 | 6.0 | 4.9 | 0.6 |
| Turf Quality under Traffic Stress (NE) | 5.6 | 6.6 | 3.6 | 1.5 |
| Turf Quality under Traffic Stress (NJ) | 4.2 | 6.1 | 3.0 | 1.0 |
| Turf Quality Northeast Region | 5.7 | 6.4 | 3.0 | 0.3 |
| Turf Quality Transition Region | 6.1 | 6.3 | 3.9 | 0.3 |
| Turf Quality Southeast Region | 5.8 | 6.1 | 4.7 | 0.5 |
| Turf Quality North Central Region | 6.1 | 6.4 | 4.0 | 0.3 |
| Turf Quality Upper West/Mtn Region | 5.9 | 6.5 | 3.2 | 0.6 |
| Turf Quality Southwest Region | 6.3 | 6.6 | 5.0 | 0.4 |
| Turf Quality Pacific Region | 4.6 | 5.4 | 3.7 | 0.5 |
| Genetic Color | 6.7 | 7.4 | 3.9 | 0.2 |
| Winter Color | 5.4 | 6.0 | 4.8 | 0.7 |
| Fall Color (Sept.) | 7.3 | 7.6 | 6.1 | 0.8 |
| Fall Color (Nov.) | 7.6 | 8.0 | 6.3 | 0.9 |
| Fall Color (Dec.) | 7.2 | 7.5 | 6.5 | 0.8 |
| Leaf Texture 1=coarse | 5.7 | 6.6 | 3.5 | 0.3 |
| Spring Density | 7.1 | 7.3 | 5.8 | 0.7 |
| Summer Density | 7.3 | 7.3 | 5.6 | 0.6 |
| Fall Density | 6.8 | 7.3 | 3.8 | 0.6 |
| Spring Greenup | 5.6 | 5.8 | 4.9 | 0.4 |
| % Living Ground Cover Spring | 87.3 | 91.0 | 72.4 | 10.9 |
| % Living Ground Cover Summer | 93.0 | 95.8 | 79.2 | 7.6 |
| % Living Ground Cover Fall | 81.2 | 86.3 | 73.1 | 5.9 |
| Brown Patch (Warm Temperature) | 6.8 | 6.8 | 4.7 | 0.8 |
| % Brown Patch Ratings AR | 19.5 | 47.8 | 12.7 | 11.4 |
| Brown Patch Ratings NC 9 = no disease | 7.7 | 8.0 | 7.0 | 1.3 |
| Typhula Blight Ratings | 5.5 | 7.5 | 4.2 | 1.8 |
| Pythium Blight Ratings | 7.2 | 8.9 | 6.6 | 1.9 |
| Seedling Vigor | 5.1 | 6.8 | 4.1 | 0.5 |
| % Establishment Rating | 66.4 | 77.1 | 62.9 | 5.6 |

Seeding Rates:

**New Lawns: 8# per 1000 square feet
340# per Acre**

**Overseed: 4# per 1000 square feet
170# per Acre**

Turf Features

Germination Time - Medium Fast
7 to 17 days is normal in spring and fall with irrigation

Growth habit - bunch grass

Drought Tolerance - Very Good

Mowing Height - from 1.5 inch to 3-4 inches weekly

Disease Resistance
Very good resistance to Brown patch when avoiding late spring and summer fertility

Traffic tolerance - Very Good to Excellent

pH Tolerance
Ranges from 5.5 to 8.5, Ideally at 6.0 to 6.5

Texture
Medium leaf texture and semi dwarf vertical growth habit

Compatibility - with 5 to 10 % Kentucky bluegrass or up to 20% fine fescue or perennial ryegrass

Color - Medium dark

Shade tolerance - Good to very good

Salt tolerance - Good

Endophyte enhanced - Yes - helps insect and stress tolerance

Preferred use - Home and commercial lawns, sports fields, golf roughs