

# FRIA



# ANNUAL RYEGRASS

- Superior cold tolerance
- High forage yield
- Excellent for overseeding
- Ideal cover crop
- Great disease resistance
- Excellent palatability

Fria annual ryegrass not only delivers outstanding yields in the south and north, but has exceptional cold tolerance that helps in fall establishment and winter survival throughout the transition zone and further north. Developed by Dr. Gordon Prine at the University of Florida for cold tolerance, improved crown rust resistance and resistance to gray and helminthosporium leaf spot; Fria is a late maturing diploid variety.

For forage production, Fria is typically seeded into dormant warm season grass pastures or after wheat and corn silage harvest to provide grazing, hay, haylage or greenchop through the winter and spring. Planting dates are from August to November depending on the region. Recommended seeding rates are 20-25 pounds per acre drilled early (August-early September), 25-30 pounds per acre drilled later (late September-November) or 25-35 pounds per acre broadcast. Fria provides consistent high quality forage production and excellent grazing under proper management. For hay or haylage, cut when the plant is between the boot and early head stage for optimum yield and quality. For grazing and green chop, start when Fria is 8 to 10 inches tall. Do not graze or greenchop lower than 3 inches.

As a cover crop, Fria can break up natural and manmade hardpans with its deep root penetration when planted in a continuous no-till rotation. Up to 30-90 pounds of nitrogen per acre can be provided for the following crop by recycling the nitrogen in the soil under no-till farming management as long as it is not harvested or grazed. The ability to capture and keep nitrogen and phosphorus in the soil profile after manure applications, preventing nutrient runoff is another big plus. Fria can also greatly reduce soil erosion, especially when planted after corn. Other benefits include reducing soybean cyst nematode populations and potential increased corn and soybean yields due to improved soil characteristics.

**Ranked 5 out of 26** – 2005-2006 two year average at Sand Mountain Research & Extension Center, Crossville, Alabama

**Ranked #14 out of 40** (no significant difference in yield from top variety) – 2005-2006 Mississippi State University Trial Starkville, Mississippi

**Survival Ratings and Pounds of Dry Matter per Acre of selected annual ryegrasses at Lexington, KY 2003-2004**

Variety	Survival Rating*	Total
Marshall	4.2 abc	5231 ab
<b>Fria</b>	<b>4.7 a</b>	<b>5201 ab</b>
Thunder	4.2 abc	5099 abc
FL X2002 (LA3) LRCT	4.2 abc	5048 abc
Ed	3.2 cd	4929 abc
Attain	3.0 d	4767 abc
Stockaid	3.5 bcd	4588 abc
Jumbo	2.7 d	4154 c
T-Rex	3.0 d	4149 c
Gulf	2.7 d	4069 d
Big Daddy	2.5 d	4018 d

\*Survival ratings were taken on 2/25/04. Ratings, based on proportion of green, live plants, with 0 being the lowest (no survival) and 5 being the highest (100% survival).

abcd: Entries with similar letters are not statistically different (LSD-956; P <0.05).

**Ranked #2 out of 17** – 2009-2010 University of Tennessee Trial at Greeneville Research & Education Center, Greeneville, Tennessee

**Ranked #11 out of 17** (no significant difference in yield from top variety) - 2009-2010 University of Tennessee Trial at East Tennessee Research & Education Center, Knoxville, Tennessee

**Ranked #1 out of 10** – 2009 University of Wisconsin Trial at Spooner Agricultural Research Station, Spooner, Wisconsin

**Ranked #14 out of 34** (no significant difference in yield from top variety) – 2005-2006 University of Nebraska Trial Scottsbluff, Nebraska

#### University of Nebraska Scottsbluff, Nebraska 2005-2006 Trial

Variety	% Surviving Stand
<b>Fria</b>	<b>99</b>
Marshall	99
Surrey II	98
Ed	95
Winterhawk	95
Gulf	51
Jumbo	41