

# PANTERRA™

## Annual Ryegrass



**Chemical-Free Transition**



**Mid-40 F Germination**



**Darker Color**

**Bred by Texas A&M University Scientists, Barenbrug's Panterra was the first true turf- annual ryegrass ever developed.**

Panterra germinates quicker and at lower temperatures than perennial ryegrass and naturally transitions when temperatures exceed 90 degrees, thus virtually eliminating the need for a chemical transition in the spring as bermudagrass or other warm-season grasses come out of dormancy.

### Key features

- Predictable Spring Transition
- Fast Germination and Establishment
- Extremely Traffic Tolerant
- More Compact Growth

**NATURAL  
SPRING  
TRANSITION**

### Maintenance

Seeding Rate:	10-15 lbs./M*
Seeding Rate (Dense Turf):	15-20lbs./M
Mowing (Recommendation):	1.5-2"
Mowing (Down to):	0.500"

\*M=1,000 square feet



### Technical Information

#### Applications

Panterra can provide enhanced turf-annual quality in warm season overseed applications including golf courses, sports fields, low use areas, and home lawns. End users will enjoy reductions in mowing and required fertility compared to Gulf. For colder winter climates, Panterra will also germinate with soil temperatures in the mid-40's (Fahrenheit), enabling areas to be repaired after heavy play and allow for continued use.

Released in 2006, Panterra is a very economical turf-annual ryegrass that offers rapid establishment and easy spring transition. Advancements in breeding led to a more compact, finer texture, and darker colored plant that is exhibited in Panterra. This turf-annual was developed specifically for winter overseeding; displaying great turf quality on golf courses, sport fields, green belts, and other warm season turf applications. Panterra is featured in the Barenbrug SOS brand.

#### Specifications

Panterra should be seeded at comparable to traditional perennial ryegrass overseeding rates which often range between 10-15 pounds per thousand square feet; sometimes as high as 20 pounds. Seeding and establishment should be done in the fall when bermudagrass color and cover declines. Special care should be taken to vertical mow the bermudagrass base multiple times, followed by scalping as low as possible to remove as much debris as possible. After spreading seed, keep seedbed moist throughout germination, with extra care during the early stages to prevent seed from drying out after initial seed imbibition. Germination should begin within 3 to 5 days and be complete in just over a week. The improved genetics in Panterra won't require nearly the amount of excessive mowing compared to 'Gulf' annual ryegrass. SOS will begin to transition out sometime around May or June when daily lows regularly surpass 60-65 degrees Fahrenheit.

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