

## Annual Ryegrass

With the initial development of Panterra by Texas A&M, Barenbrug's U.S. Research team took the promise

of improved Turf Annual Ryegrass and developed the program into an 'ART™ form'. Our Advanced Ryegrass Technology now encompasses four unique turf-annuals including Panterra, Panterra V, BarTerra and TerraBar.

# SOS® Turf-type Annual Ryegrass

## Super Over Seeding

- Excellent overall turf quality
- High traffic tolerance
- No need for use of chemicals for spring transition
- Fast germination and establishment / Even with soil temps in mid-40's
- Economically priced when compared to perennial ryegrass



SOS – A STEP FORWARD IN OVERSEEDING



SOS Turf-Annual ryegrasses from Barenbrug offer unique solutions to fall overseeding challenges. With three generations of Turf-Annuals available, budget, on-site requirements and turf quality can be mixed and matched to meet your project's needs.

### HIGH QUALITY TURF WITH CUSTOMIZED TRANSITION

Traditionally, overseeding has been done using either common annual ryegrass or perennial ryegrass. Both options have benefits as well as significant problems.

Perennial ryegrass provides strong turf quality, but turf density and persistence during spring transition competes with spring growth and the recovery of bermudagrass. The options are the use of expensive herbicide applications to speed transition or combining both rising temperatures with maintenance practices to minimize the perennial. Intermediate ryegrasses were also introduced in the late '80s as the 'Transition Solution'. However, with costs comparable to perennial, their poor turf quality and color limited their use and success.

Annual ryegrass provides economy, fast establishment and quick natural transition but extremely poor turf quality. Very light green in color, coarser leaf texture, excessive growth and little traffic tolerance are but some of the problems associated with annual ryegrass.



Barenbrug now provides a third option with its SOS Brand of Turf-Annual mixtures. Offered as 100% Turf-Annual mixes or in combination with Perennial rye or RPR (Regenerating Perennial Ryegrass), SOS Turf-Annuals provide economy, turf quality, transition and solutions to challenging conditions: job site, weather and use.

### SUPERIOR BREEDING

When discussing annual ryegrass for overseeding, most turf managers think of Gulf annual (1958: Texas). However, in cooperation with Texas A&M, Barenbrug USA changed the annual ryegrass discussion in 2006 with our introduction of Panterra Turf-Annual and the SOS Brand of Turf-Annual Ryegrass.

Ten years later, in 2016, Barenbrug's SOS Brand now features four turf-annual ryegrasses spanning three generations of turf-annual selection. Significant improvements in turf quality now afford the turf manager a wide-range of quality, performance and price.

Higher priced intermediate ryegrasses can't compete with the faster establishment, superior predictable spring transition and affordability of SOS Turf-Annuals.

Perennial ryegrasses provide excellent turf quality, but have slower establishment, significant added cost and extreme competition with bermudagrass during the critical spring transition. SOS Turf-Annuals are the far superior choice.

Since the introduction of Panterra, Barenbrug's researchers have continued to develop new and improved turf-type annuals including:

- Panterra (2006)
- Panterra V (2009)
- Barterra (2012)
- Terrabar (2013)

Now available in mixes with perennial ryegrasses and Regenerating Perennial Ryegrass (RPR) for the most versatile program of turf-annual ryegrasses offered to the overseeding market.

### STEP 1 – IDENTIFY YOUR OVERSEEDING NEEDS

Awareness of climate, site requirements, performance needs, budget and equipment availability are keys in identifying which SOS mixture best suits your turf area.

#### KEY FACTORS INCLUDE:

- Traffic tolerance
- Speed of establishment / Facility availability
- Speed of transition / Spring persistence
- Turf Quality / Important or Secondary
- Budget

### STEP 2 – CHOOSE THE DESIRED SOS MIX

SOS 400: Featuring Panterra and/or Panterra V for fast establishing, economical overseeding of warm season turf.

SOS MAXX: Featuring Barterra and/or Terrabar for rapid establishment and the finest in Turf-Annual turf quality

SOS 211: Featuring 50% Panterra V and 50% perennial ryegrass for quick establishment, improved turf quality and stronger spring persistence.

SOS MAXX with RPR: Featuring Barterra and/or Terrabar with 50% RPR for fast establishment and superior traffic tolerance throughout the overseeding months and early spring. Ideal for high traffic situations, including soccer fields, baseball infields, lacrosse goal areas, cart path entrance and exits.

#### PLANTING RECOMMENDATIONS:

SOS Brand Turf-Annuals will germinate with soil temps in the mid-40's F. This allows for successful overseeding results for late season renovation after the playing season has ended. Late season renovation provides field protection for winter and early spring practice and play.

#### SUGGESTED OVERSEEDING RATES:

All SOS products should be seeded at rates comparable to traditional perennial ryegrass overseeding rates.

- Golf 10-15 lbs per 1,000 sq. feet
- Sports Turf 15 lbs per 1000 sq. feet
- Landscape 10 lbs per 1000 sq. feet
- Low maint. turf 8 lbs per 1000 sq. feet

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