

Overseeding made easy

EASY TRANSITION

EASY ON YOUR BUDGET

EASY PROGRAM FOR QUALITY TURF

SOS – A STEP FORWARD IN OVERSEEDING

SOS (Super Over Seeding) is much more than a bag of seed. SOS is the most advanced overseeding program available. Developed in conjunction with Texas A&M University, SOS allows you to choose the optimum transition speed for your location without sacrificing turf quality.



HIGH QUALITY TURF WITH CUSTOMIZED TRANSITION

Traditionally there have been two options when it comes to overseeding; annual ryegrass or perennial ryegrass. Both options have benefits as well as distinct problems.

Perennial ryegrass looks great but is very persistent and not apt to die out quickly. In most overseeding situations you have to either wait for the heat to kill the perennial ryegrass (causing potential damage to the warm-season grass base) or use expensive herbicides to spray it out. Breeders continue to develop these varieties to be more heat tolerant and more persistent for applications in the north.

Annual ryegrass traditionally lacks turf quality. It's wide leafed and is usually much lighter in color. However, it has two advantages over perennial; it establishes quickly allowing it to out-compete weeds and transitions out quickly with little help allowing for better recovery of your warm-season turf base.



SOS at Twin Creek Country Club, Cedar Park, Texas.

Now there is a third option. SOS takes the best of both perennial ryegrass and annual ryegrass and combines them into one easy to use package. The secret is SOS's revolutionary turf-type annual ryegrass. Dwarf, dark green, fine leafed and transitions seamlessly – SOS is a true advantage for any turf manager tired of fighting their overseeding.

Advantages and Disadvantages to Ryegrass Varieties

| Species | (+) Dark Green | (+) Fine Leafed | (+) Predictable Transition | (+) Quick Establishment | (-) Persistent | (-) Requires Herbicides | (-) Costly |
|---------------------------|----------------|-----------------|----------------------------|-------------------------|----------------|-------------------------|------------|
| Perennial Ryegrass | ✗ | ✗ | | | ✗ | ✗ | ✗ |
| Annual Ryegrass | | | ✗ | ✗ | | | |
| Turf-Type Annual Ryegrass | ✗ | ✗ | ✗ | ✗ | | | |

NOT ALL RYEGRASS IS CREATED EQUAL

When talking about annual ryegrass, most people think of the old variety Gulf.

But through intensive breeding by Barenbrug researchers, there are now advanced options that combine the benefits of both perennial and annual in one germplasm. The new annual varieties in Barenbrug's portfolio are dwarf, dark green and can withstand mowing at fairway and tee height. The picture at the right illustrates the difference between Gulf (right) and the new generation of turf annual ryegrass (left) used in the SOS program.

This photo illustrates quite clearly what Barenbrug has achieved after years of breeding turf-type annual ryegrasses. These new varieties look like perennial ryegrass but still transition like an annual ryegrass which results in a smooth, more predictable transition. But beware of inferior overseeding options! A number of companies are promoting so-called "intermediate ryegrasses." They are, in essence, perennial ryegrasses and cannot compete with the predictable transition of annual ryegrass.



New generation turf-type annual ryegrass (left) compared to the old variety of annual Gulf (right).

Barenbrug believes turf-type annual ryegrasses are the future of overseeding. We believe that the unique combination of cost effective seed, fast germination and smooth predictable transition make turf-type annual ryegrass the ideal Super Over Seeding solution.

SOS BREEDING



SOS planted at the Dallas Texans Soccer Club, Farmer's Branch, Texas.

Barenbrug researchers continue to develop new and improved turf-type annual ryegrasses. The varieties we use currently are Panterra and Panterra V. Panterra V is the newest turf-type annual ryegrass with excellent characteristics. With SOS you are guaranteed to get the newest and best performing turf-type annual ryegrasses on the market.

"Extreme wear tolerance."

*Dallas Texans Soccer Club
Farmers Branch, Texas*

HOW DOES SOS WORK?

STEP 1 – IDENTIFY YOUR CLIMATIC REGION

Where you are and how many days per year you have above 90 degrees are critical for good establishment and timely transition of your cool season grass. Use the map to the right to help you find your climatic zone.

ZONE 1

Average days above 90 degrees: 30 to 60 per year

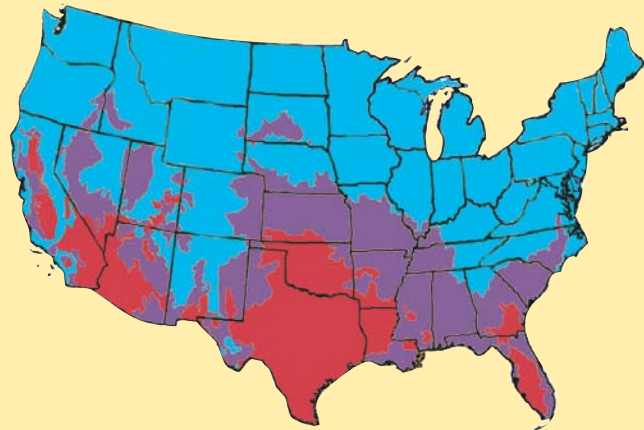
ZONE 2

Average days above 90 degrees: 60 to 90 per year

ZONE 3

Average days above 90 degrees: 90 to 150 per year

US Climate Regions



Climatic map based on information from the National Climatic Data Center

STEP 2 – CHOOSE THE DESIRED SPEED OF TRANSITION

Choosing the best transition speed will result in less use of chemicals as well as decreasing unsightly perennial ryegrass.

RAPID: Exhibits the fastest transition back to your bermudagrass base.

IDEAL: Shows a gradual transition from winter overseeding grass to your bermudagrass base.

SLOW: Allows you to keep your winter overseeding grass later into summer.

Desired Transition Speed

| | RAPID | IDEAL | SLOW |
|---------------|---|---|---|
| ZONE 1 | SOS 400 15 lbs./1,000 sq. ft. | SOS 400 15 lbs./1,000 sq. ft. | SOS 310 20 lbs./1,000 sq. ft. |
| ZONE 2 | SOS 400 15 lbs./1,000 sq. ft. | SOS 220 15 lbs./1,000 sq. ft. | SOS 202 20 lbs./1,000 sq. ft. |
| ZONE 3 | SOS 400 15 lbs./1,000 sq. ft. | SOS 211 15 lbs./1,000 sq. ft. | SOS103 20 lbs./1,000 sq. ft. |



SOS planted at Whitestone Golf Club, Dallas, Texas.

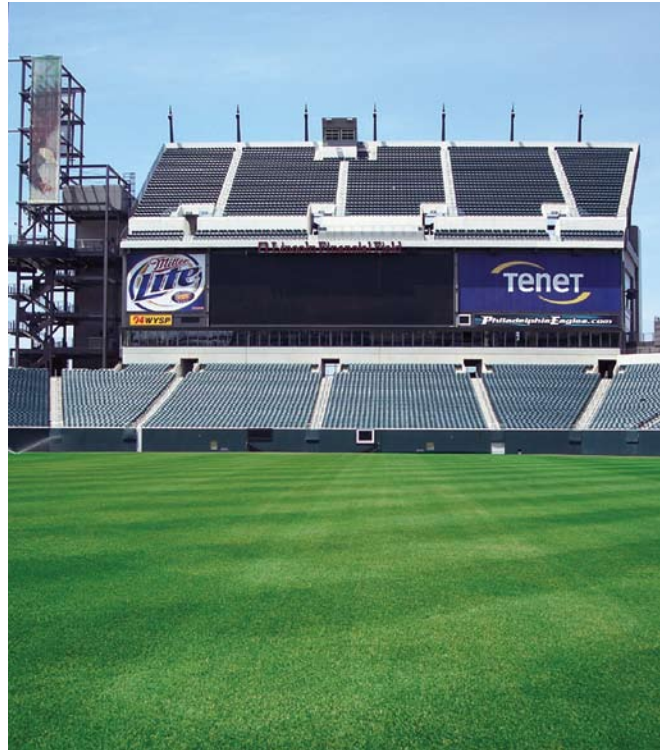
PRODUCTION OF TURF-TYPE ANNUAL RYEGRASS

While turf quality is important it's not always enough. A great field can be ruined by a weed-filled bag of seed. Normally the seed offered for overseeding is low-cost so the purity of the seed is often over-looked. But at Barenbrug we know that a few weed seeds can go a long way. That is why SOS is always free of *Poa annua* AND must meet the high standards of all Barenbrug products.

It all starts in the seed production fields. Barenbrug's turf-type annual ryegrasses are produced in clean fields and never follow forage annual ryegrasses to eliminate contamination of volunteer crops. SOS is the highest quality overseeding seed you can get!

"Overseed for year-round playability."

*Tony Leonard, Head Groundskeeper
Lincoln Financial Field, Philadelphia, PA*



SOS planted at Lincoln Financial Field, home to the Philadelphia Eagles.

WHAT OTHERS SAY ABOUT SOS - SUPER OVER SEEDING

SOS has proven to be a high quality product. Below is just a sample of the many satisfied users:

Philadelphia Eagles, PA
Visalia Country Club, CA
Dallas Texans Soccer Club, TX
Estadio Casas Geo, Mexico
Auburn Apartment Complex, CA
West Palm Beach Golf Course, FL
Boulder Creek Golf Club, NV

"SOS has the same turf quality as perennial ryegrass, transitions much better and is a smart, economical alternative."

Auburn Heights Apartment Complex, Bakersfield, California



SOS 211 at Auburn Heights Apartment Complex, Bakersfield, California.

BENEFITS OF SOS - SUPER OVER SEEDING

- Controlled transition
- Excellent turf quality
- High wear tolerance
- Less use of chemicals
- Fast germination and establishment
- Out-competes annual bluegrass and other weeds
- Economically priced compared to perennial ryegrass
- Excellent germination at lower temperatures
- Good disease resistance

"Bill Adkin was amazed with the quality of the SOS 211. No *poa annua* or other weeds. His reliance on chemical control for weed pressure and transition has been reduced; saving labor and materials costs. SOS just makes sense."

Boulder Creek Golf Club, Boulder City, Nevada



SOS 211 planted at Boulder Creek Golf Club, Boulder City, Nevada.

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