



Turf Product Guide

2025-2026

Whatever the conditions, however tough the competition.

Turf has a lot to contend against. From tees to greens, in-fields to outfields, 4th down and inches to Hail Marys, every single inch matters.

Increasing pressure from extended seasons, and growing demand for competition surfaces to be in peak condition, makes courses, fields, and pitches the real focus of the contest.

For every playing surface, we know the grounds team matters most.

Working with you to understand your changing needs and solve the challenges you face is central to the way we progress at Barenbrug USA.



Long term development and breeding

Ongoing investment in new grass cultivars and products yields continuous improvements in the qualities of your playing surface.



In depth consulting and guidance

Collaboration in product design, development, and trialing enables you to experience the greatest possible success.



Continent-wide service and support

Field expertise and technical help is always available to help you find immediate solutions to your grass needs on site.

Before we were a company, we were a family.

Founded in 1904, Barenbrug continues to be family-owned and ran to this day. The development of new and innovative cultivars and varieties



is in our roots. Through research and development, breeding, and working with golf course superintendents, sports field managers, and landscapers, we are able to develop specific seeds that meet their specific needs. In addition, we share our knowledge and experience to help you and your team excel at your craft.

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The Story of Grass

Each cultivar is the product of a long and rigorous cycle of breeding, selection, and testing to identify the grasses that will fill the world's great sporting venues.

Years 1-3 Searching for candidates

Every new grass story begins at one of our breeding stations across North America. To develop a new grass cultivar, we cross plants of an existing cultivar with plants isolated from unique traits, the wild, or from a particular environment that offers interesting potential.

Years 7 The first draft pick

We pick out the best plants and group them based on similarities, allowing them to cross-pollinate within each group. The resulting "synthetic line" is the basis for a new cultivar. It is important to remember that a cultivar always exists as a population of genetically different individual plants that are very similar (but not identical) to one another.

Years 8-10 Proving performance

Each new line is tested against other elite lines and existing cultivars from Barenbrug's and competitors' global breeding programs. They may be stress tested under simulated wear or traffic and at a low mowing height. Further trials or laboratory testing might test tolerance to a particular turfgrass disease or sustained drought conditions. This takes place at multiple locations, including our U.S. research station to ensure reliable results for wide-ranging end-user markets.

Years 4-6 Selection process

Once these crosses have seeded, a detailed selection process identifies those with the strongest potential to perform. Individual, unmown plants in a large nursery are scrutinized for a broad range of characteristics, removing those with weaknesses to disease, heat, cold, etc. and selecting only the very best to continue on the journey.

We are looking for a range of characteristics that turf managers tell us matter most to them, such as disease resistance, climate tolerance, soil preference, color, and growth qualities. After initial selection, individual mown plants are examined to assess turf quality and persistence. This three-year process may whittle down 10,000 plants to as few as a dozen or more.

Years 11 Multiplication

We pick out the best plants and group them based on similarities, allowing them to cross-pollinate within each group. The resulting "synthetic line" is the basis for a new cultivar. It is important to remember that a cultivar always exists as a population of genetically different individual plants that are very similar (but not identical) to one another.

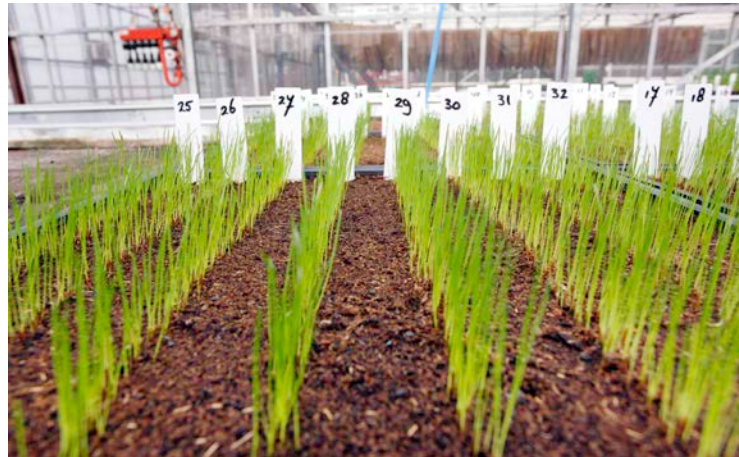
Years 12-15 Final assessment

Each cultivar, based on its intended market, is submitted to official trials across the globe. In parallel, it is necessary for a cultivar to be examined under legislative protocols to ensure it is eligible for sale. Aspects such as distinction (different from existing material), uniformity (individuals within the population must be very similar) and stability (no reversion to parental wild-type) are scrutinized over a fixed period (typically three years or longer).



We play the long game.

It takes 15 years to breed a winner. From initial cross to seed certification, every new grass must prove itself fit for the nation's most hallowed greens, fields, and lawns. A scientific breed program is the core of our business. Delivering a new cultivar to the market is a long and multifaceted process, involving people and departments across the global Royal Barenbrug Group.



Product Development and R&D

Consistent performance in grass lies in combining the strengths of different species and individual cultivars. It's a team thing. The relationships we've built with customers informs our breeding programs and product development, helping us to refine selections to meet the challenges of the present. In this catalog, you can find grass seed blends and mixes that compound the characteristics of a range of cultivars to respond to your environment.



Choosing the final line-up

The mixtures of grass varieties that make up our products are the result of technical knowledge combined with customer experiences and insights from the field.

Product development encompasses a range of processes; just as individual seed cultivars are trialed, products are tested to establish synergies in the performance of species and cultivars. Within each product we also look closely at the traits of individual cultivars, and how best to match those with customer needs in different sporting contexts and locations. We take this process far beyond the scope of official trials, aiming to find the best possible match for our customers around the world.

The R&D process in the U.S. is a collaborative one, with work carried out at the Barenbrug R&D site in Albany, Oregon and a host of Universities around the continent.

New Varieties

Entourage: *Perennial Ryegrass*

 **Dark Green Color**

 **Fast Establishment**

 **Very High Density**

Serenity: *Perennial Ryegrass*

 **Fast Establishment**

 **Very High Density**

 **Low Mowing Heights**

New Products

Wildfire™: *Tall Fescue Blend*

 **A-LIST Certified**


 **US-Wide TOP TQ**

 **Traffic Tolerance**

Scottish Links™: *Fine Fescue Mixture*

 **Shade Tolerant**

 **Early Spring Green-up**

 **Attractive No-Mow Look**

Below: Scottish Links at Awarii Dunes



Note: Barenbrug USA is continuously developing new, innovative grass seed solutions. Featured in this catalog are products and varieties in the Barenbrug USA portfolio as of October 1st, 2024.

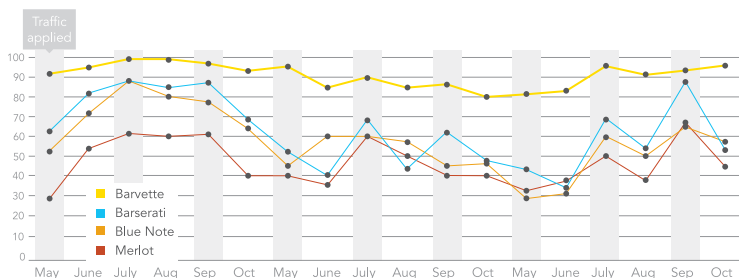


Healthy Grass Technology® Kentucky Bluegrass Engineered for Turf Health

Developed from extremely traffic tolerant parent stock and within harsh climatic conditions, Barvette HGT® came out of Barenbrug's research program solving each of the major species-wide problems, and possesses many additional qualities making it one of the most unique Kentucky bluegrasses ever bred.

Germination and Establishment

Quick germination and rapid establishment are terms rarely associated with Kentucky bluegrass. Barvette HGT, however, didn't get the memo. With germination typically fewer than 10 days and aggressive, rapid establishment, Barvette HGT is a 'game changer.' Fields can now be played on faster, fairways can now be successfully renovated and tees more quickly brought back in use. Weeds are also successfully competed against with HGT's aggressive growth habit. For bluegrass sod production, fields establish more quickly, field yields increase and pallet quality shines.



Traffic Tolerance and Rapid Recovery

Barenbrug's HGT blend with Barvette HGT offers outstanding traffic tolerance and wear recovery. In research studies at Michigan State University, Barvette HGT was trialed with 109 commercial varieties, and came out on top for wear recovery, percent ground cover, and turf quality. Likewise, in the NTEP traffic stress tests, Barvette HGT topped all other entries at Michigan State University and Rutgers University trials.

"Barenbrug's HGT continues to impress with now over 80 games played on these fields!"

Prospect Fields
Hamilton, OH

Traffic Tolerance: '11 NTEP Final Report

VARIETY	SCORE
Barvette HGT	6.2
Barserati	5.7
Midnight	5.3
Shamrock	4.9
A06-47	3.4
L.S.D.	0.7

Spring Green-up: '11 NTEP Final Report

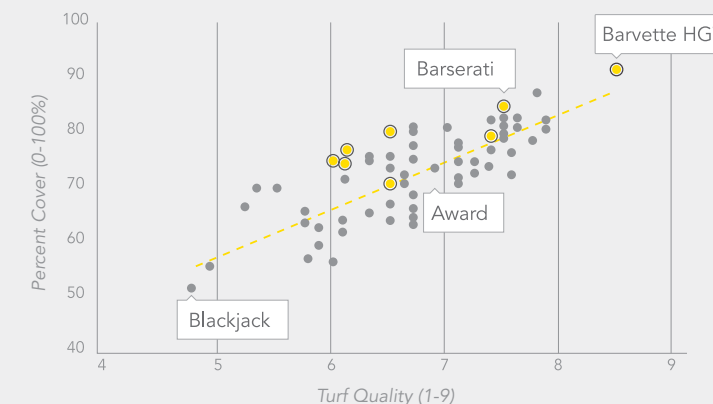
VARIETY	SCORE
Barsahara	6.7
Barvette HGT	6.3
Barserati	5.7
Midnight	3.7
J-1136	3.5
L.S.D.	0.5

Seedling Vigor: '11 NTEP Final Report

VARIETY	SCORE
Bolt	8.2
Barvette HGT	7.5
Barserati	6.7
Midnight	5.8
Shamrock	5.8
Award	1.3
L.S.D.	0.7

Resistance to Summer Patch and Rust

Summer patch and stem rust are serious turf diseases that cause significant damage to most Kentucky bluegrass varieties. Tested intensively at many locations across the country and in university trials, Barvette HGT has shown excellent resistance to summer patch and stem rust. Following the 2005-10 NTEP trials, Barvette HGT ranked #1 in summer patch tolerance, and topped the first statistical grouping for stem rust resistance.



Exceptionally Strong Spring Green-Up

Spring green-up is an important trait sought after when developing new Kentucky bluegrasses. While most bluegrasses are very slow to break winter dormancy, Barvette HGT exhibits early spring green-up. In the 2005-10 NTEP trials, Barvette HGT finished in the top statistical group. This allows the Turf Blue HGT blend to come back early and strong for spring play.

Variety	Transition Zone TQ	Spring Green-up
Barvette HGT	6.6	6.3
SRx466	6.6	5.7
Barserati	6.5	5.7
Blue Note	6.4	5.3
Midnight	6.1	3.7
Shamrock	5.5	5.7

Rating: 1-9

LSD=0.6
5 Locations

LSD=0.5
13 Locations



Rhizomatous Tall Fescue®

It's Fescue, but Better

Our RTF® program has an extensive history of breeding and development so you can be sure when you choose RTF, you're choosing tried and true varieties.

The significance of rhizomes in turf is their ability to repair damaged areas, maintain a more uniform turf density, increase sod tensile strength, add drought tolerance, and reduce the need for frequent overseeding. These deep rhizomes spread laterally and are not as invasive as those of Kentucky bluegrass or creeping red fescue.

What are Rhizomes?

A rhizome is a horizontal plant stem, most often found underground. They are valued, because they send out new tillers, which emerge several inches away from the mother plant. Barenbrug's patented RTF has the highest amount of rhizome activity when compared against similar varieties that claim to exhibit rhizomes.



Rhizomes Shooting from RTF plants

Grass With 'Mow'tivation

Uses Less Water

- Rapid development of a deep root system
- Excellent drought and heat tolerance with less irrigation
- Adaptable to a wide range of soil conditions

Self-Repairing Technology

- High level of traffic tolerance
- Dense turf without open areas prevent weed growth
- The only Tall fescue with true rhizomes that quickly fill in damaged or open spots with new grass

Reduced Inputs

- Environmentally friendly, reduces chemical and fertilizer inputs
- Stands up to intense summer heat
- Endophyte enhanced for improved insect and disease resistance, as well as drought tolerance



RTF recovery before (above) and after (below)

Recovery and Repair

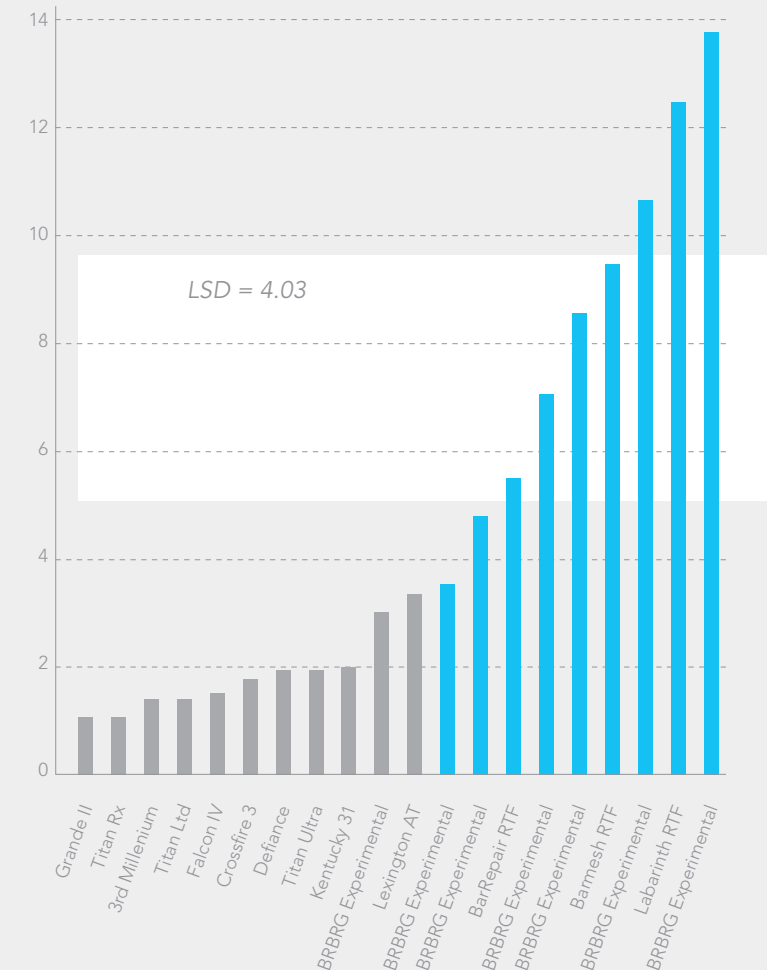
Turf Saver RTF exhibits very strong traffic tolerance and recovery when compared to traditional tall fescue. Tall fescue is typically a bunchgrass with very limited ability to repair and recover, however, RTF's unique rhizome development enables the repair and recovery of the turf. The rhizomes provide the ability to repair damaged areas, maintain uniformity and density, add to drought tolerance and reduce the need for frequent overseeding.

Our Turf Saver RTF provides not only a dense turf canopy with a lush dark green color, but it additionally provides a softer texture and feel to its leaves than other tall fescues.

Rhizomes To The Rescue

Rhizomes are valued because they send out new tillers underground which emerge several inches away from the mother plant. Our patented RTF has the highest amount of rhizome activity. Other varieties produce very few short rhizomes, while our RTF produces numerous long rhizomes. The graph below shows the difference researchers found between Turf Saver RTF and others. Designed to factor in the percentage of plants that make rhizomes; the cultivar rhizomatous index is derived by multiplying the number of rhizomes times the percentage of plants with rhizomes and the rhizome length. Multiplying the traits together in a single mathematical index helps to identify the true rhizomatous plants from the others. When you put it all together, Turf Saver RTF is in a class of its own.

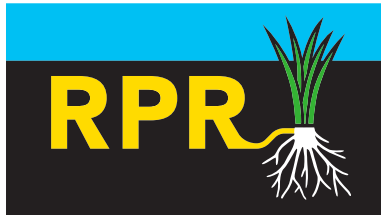
Rhizomatous Index*



*percent of plants with rhizomes x number of rhizomes/plant x rhizome length

"The climate in Omaha is quite severe. RTF outperforms every time."

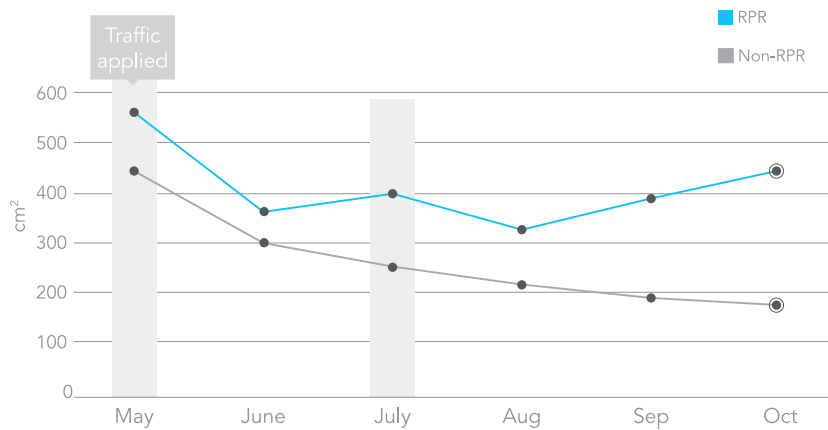
Eric McPherson CGCS
Omaha Country Club



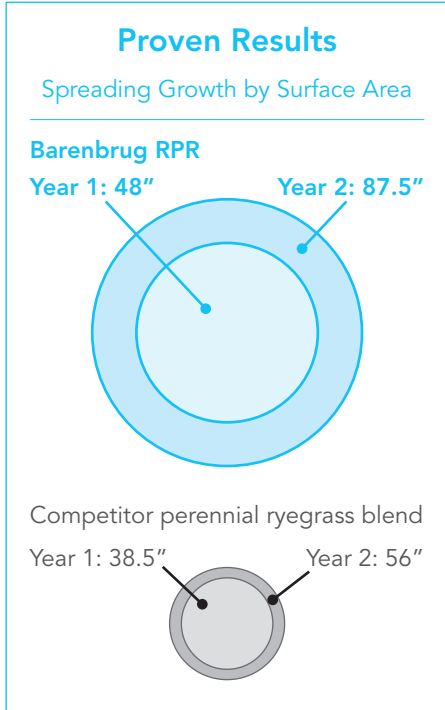
Regenerating Perennial Ryegrass®
Determinate Stolons

In 2009, Barenbrug's innovative research and development team introduced a unique Perennial Ryegrass subspecies to the turf industry: RPR®. Receiving its utility patent in 2015, RPR can tolerate extremely heavy traffic and displays outstanding recuperative abilities. It provides excellent turf quality and appearance in the harshest of conditions, gets off on the right foot with early establishment, and continues to thrive through summers. RPR is the ideal selection for all applications receiving heavy, destructive traffic.

Traffic Tolerance



After traffic was applied in trialing, regeneration of the plants was evaluated by measuring the surface area of plants. RPR plants regenerated and filled in space, while non-RPR plants did not.



"Repeated seedings over the entire playing surface with RPR produced a steady improvement in overall turf quality. RPR has literally been a life saver!"

Don Moody, Grounds Supervisor

Years of Research - Remarkable Results

RPR's unique ability to regenerate separates it from both traditional and lateral spreading perennial ryegrasses. A product of advanced determinate stolon breeding techniques, RPR develops determinate stolons which allow for regeneration in all directions. Determinate stolons arise from an auxiliary bud near the base of the mother plant and then grow horizontally 6-8" at, or just below, the soil surface creating identical new plants as they grow. When RPR turf is damaged from persistent or extreme traffic events, its determinate stolons will grow horizontally into the worn areas, develop roots and repair the damaged area. The photos to the right show RPR plants, determinate stolons, and developing roots.

Beware of Imitators

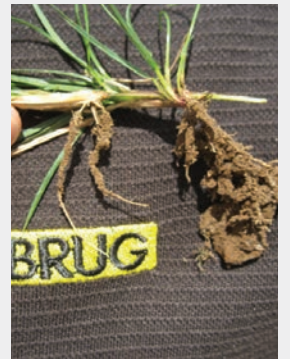
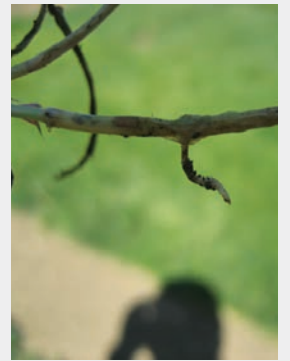
Since its introduction in 2009, RPR has proven to be a strong, durable performer. As is common with success, several other seed companies are now claiming similar levels of performance from spreading perennial ryegrasses. These products, however, do not produce determinate-stolons and are not capable of regeneration after severe traffic. RPR is so unique, it has a category of its own – Lolium Perenne ssp. stoloniferum.



Utility Patent: #8,927,804

What is a Determinate Stolon?

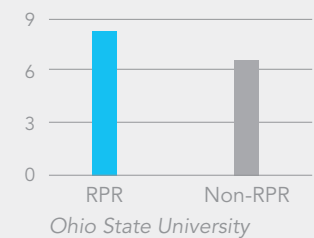
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Determinate Stolons from RPR plants

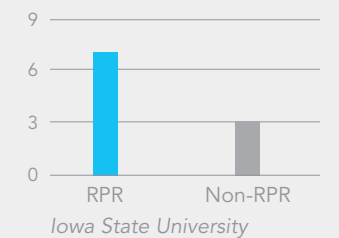
Intense Traffic Tolerance

Research plots were rigorously subjected to damage by a traffic simulator revealing RPR's ability to maintain quality and integrity despite three days of traffic.



Turf Quality

After a long summer of heat stress, RPR rated significantly higher in turf quality over an average of three perennial ryegrasses.





Yellow Jacket® Enhanced Seed Coating

Better Turf with Less Input

A recognized leader in innovative grass seed coating, Barenbrug's Yellow Jacket Enhanced Seed Coating has been providing the professional turfgrass seed industry with quality coated seeds since 2007. Since this time, millions of pounds of Yellow Jacket enhanced seeds have been sold across the United States. [Ask your Barenbrug sales representative which Barenbrug products are available with Yellow Jacket Enhanced Seed Coating.](#)

Yellow Jacket Key Features

- Same rate, same quality
- Better seed survival
- Extended seeding window
- Easier visual monitoring

Increased growth in Yellow Jacket coated seed versus uncoated seed is shown at right. One study showed an increase of 14% plant biomass in the first year.



Day 6

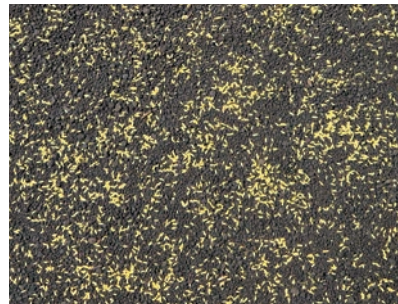


Day 8

Results You Can See



Uncoated Seed

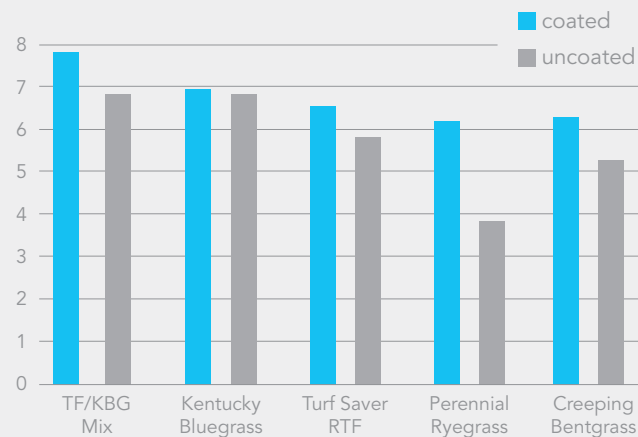


Yellow Jacket Coated Seed

- Turfgrass seeds vary in size, and depending on the soil type, and many are nearly impossible to see during application.
- Yellow Jacket maximizes color contrast by making seed more visible to all end users, regardless of seed size. Yes, we see you, creeping bentgrass!

Yellow Jacket Enhanced Turf Quality

All coated entries exhibited improved turf ratings and disease performance a full year after seeding. After the study, it was clear Yellow Jacket coated seed improves turfgrass quality, density, and disease ratings.



North Carolina State University



A-LIST Certification Alliance for Low Input Sustainable Turf

"Barenbrug USA is proud to partner with A-LIST in pursuit of sustainable and environmentally conscious turfgrass management"

Justin Burns, CEO of Barenbrug USA

- ✓ Reduced water
- ✓ Fewer chemicals and pesticides
- ✓ Less fertilizer
- ✓ Heat tolerance

In Barenbrug's product development, we highly value the economically and ecologically sound management of grass. That is why we are proud to align with the non-profit A-LIST (Alliance for Low Input Sustainable Turf) to provide certified varieties that not only excel in turf quality but also demonstrate exceptional performance with minimal resource requirements. A-LIST empowers turfgrass managers and grass growers to achieve optimal results with reduced inputs.

Barenbrug A-LIST Certified Seed

Products

HGT® - Sod
Wildfire™ - Tall Fescue

Varieties

Barrister - KBG*
Barserati - KBG*
NuRush - KBG*
Barvette HGT - KBG*
Xanadu - Tall Fescue
Bonfire - Tall Fescue
Zion - Tall Fescue
Portfolio - PR*
Revenge 2GLX - PR*
Infusion - PR*
T-1 - Bentgrass
V8- Bentgrass
L-93 XD- Bentgrass
J-5 - Chewings fescue
Audubon - Strong Creeping Red Fescue

*KBG- Kentucky Bluegrass
*PR- Perennial Ryegrass

We are honored to have our RTF utilized on Oak Hill Country Club's course. Read more how it has provided an innovating solution on page 33



Species **Products and support to tackle the toughest opponents.**

Whether you're managing an oceanside links course, the sole owner of a starting Lawn and Landscape business, or the sports field manager of a premier university, we have the knowledge, research, and breeding to help find a solution to your problem.

With over 10,000 golf courses, 22,000 city parks, tens of thousands of sports fields, and countless home lawns using Barenbrug premium grass seed, it's no surprise to us to hear how different your needs and experiences are.

Turf Grass Identification



Perennial Ryegrass
Lolium perenne L.



Kentucky Bluegrass
Poa pratensis L.



Tall Fescue
Schedonorus arundinaceus
Schreb.



Chewings Fescue
Festuca rubra ssp. *commutata*



Strong Creeping Red Fescue
Festuca rubra L. ssp. *rubra*



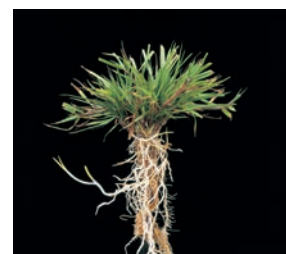
Slender Creeping Red Fescue
Festuca rubra ssp. *litoralis*



Hard Fescue
Festuca trachyphylla



Creeping Bentgrass
Agrostis stolonifera L.



Colonial Bentgrass
Agrostis capillaris L.



Rough Bluegrass
Poa trivialis



Bermudagrass
Cynodon dactylon



Annual Bluegrass
Poa annua L.



Kentucky Bluegrass



Aggressive Growth



Disease Resistant



Extremely Traffic Tolerant

HGT®

HGT features the very best of Barenbrug's Kentucky bluegrass varieties. Starring Barvette HGT, it is quick to germinate and fast to establish, meaning HGT will provide year-round performance in the spring and late into the season. Experience outstanding bluegrass performance in the most difficult of climates, including the Transition Zone and the Northeast.

Key Features:

- Features high-quality, strong performing bluegrass varieties
- Unmatched summer patch performance.

Top: HGT Sod, Illinois Below: HGT, Cedar Rapids, IA. @ParkerBechen

STMA Field of the Year

With multiple consecutive 'Field of the Year' awards, HGT has proven to be in a class of its own. To top it off, Barvette HGT®, a component of HGT, has consistently ranked #1 in recent NTEP trials, so you know, when you plant HGT, you're planting an award-winning grass.



Kentucky Bluegrass (cont.)



Aggressive Growth



Multi-Disease Resistant



Extremely Traffic Tolerant

HGT® with RPR® 80/20 Kentucky Bluegrass & Perennial Ryegrass Mixture

HGT with RPR features the very best of Barenbrug's Kentucky Bluegrass varieties. Starring Barvette HGT, HGT with RPR has outstanding bluegrass performance in the most stressful climates. Barvette HGT combines its increased seed count per pound (smaller seed size) with its extremely aggressive nature to jump out of the ground in establishment and beyond. Quick to germinate and fast to establish, HGT with RPR provides year-round performance with early spring green-up, strong summer performance, and high turfgrass density late into the season.

“Even with the real feel in the 100’s, the HGT is still money!”

Parker Bechen, Cedar Rapids, IA



Kentucky Bluegrass (cont.)

HGT® Sod

HGT bluegrass blends are ideal for Kentucky bluegrass sod production. Vigorous to germinate and establish, HGT quickly forms strong rhizomatous growth with an extensive root system. This growth allows for excellent ‘sod strength,’ reduced field waste, great pallet appearance, and quality ‘big roll’ installations.



Traffic Tolerance: ‘11 NTEP Final Report

Variety	Score
Barvette HGT	6.2
Barserati	5.7
Midnight	5.3
Shamrock	4.9
A06-47	3.4
L.S.D.	0.7



Left: HGT at the OK State NTEP trial taking over plots with its aggressive nature and disease resistance.

HGT Sod is available exclusively through Turf Producers Association. To learn more visit: www.hgtsod.com.



Drought Tolerant



Disease Resistant



Darker Color



Resists Poa Annua



Good Heat Tolerance



Excellent Turf Quality

Turf Blue® Pro

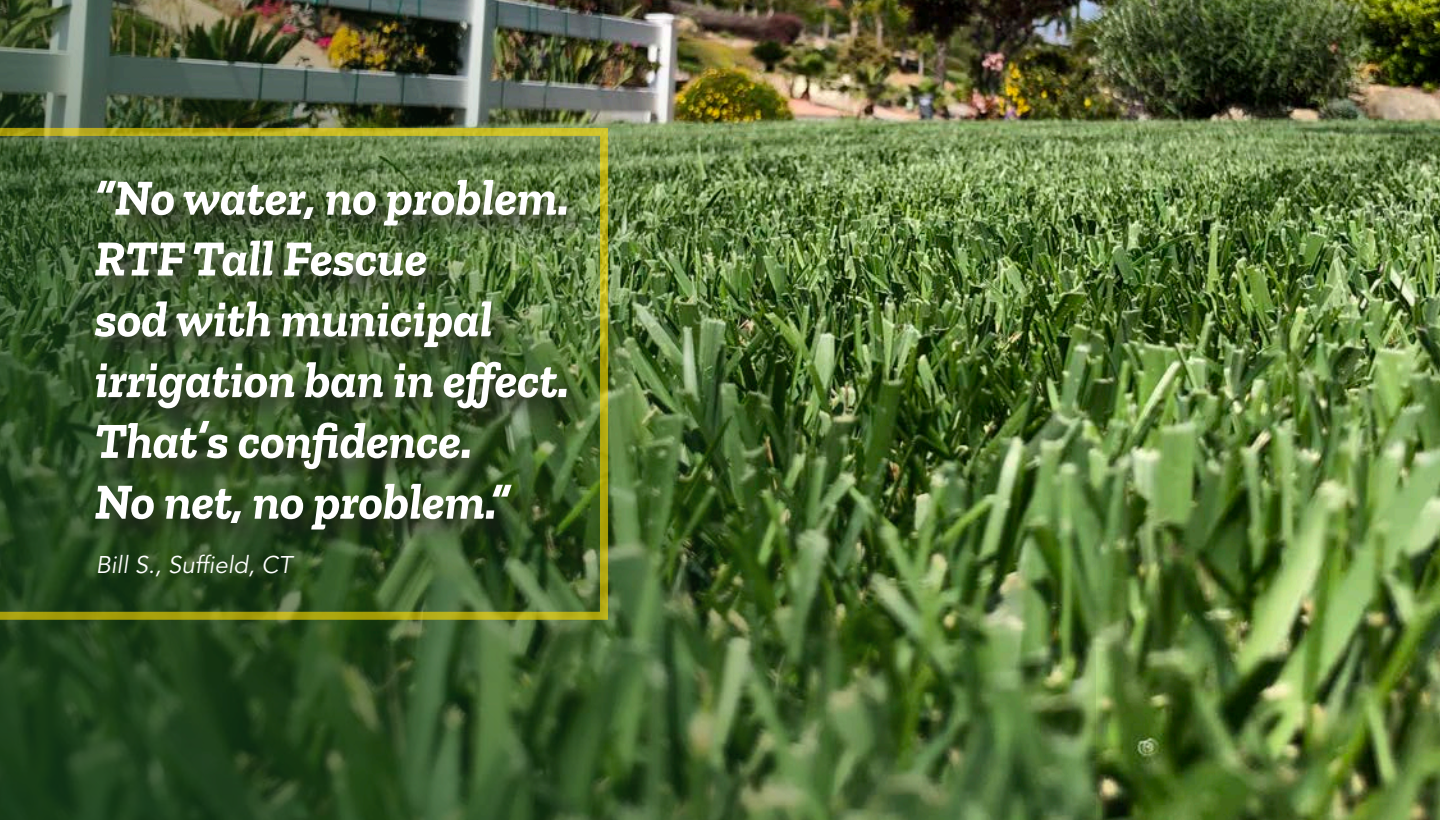
In the NTEP trials, Barserati™ ranked high in turf quality, color, traffic tolerance, and disease resistance. Additionally, having been independently tested in New Mexico and Kentucky, Barserati exhibits exceptional drought tolerance. With early spring green up and strong summer performance, Turf Blue® Pro can be counted on to provide year-round bluegrass quality.

Blue Genes

Blue Genes is a superior combination of Kentucky Bluegrass that provides ease of mind in high stress and demanding areas thanks to disease resistance with superior heat and traffic tolerance. This blend also combines several dark colored varieties out of Barenbrug's bluegrass portfolio to create an attractive turf.



Turf Blue Pro, Glendale, CO



**“No water, no problem.
RTF Tall Fescue
sod with municipal
irrigation ban in effect.
That’s confidence.
No net, no problem.”**

Bill S., Suffield, CT

Tall Fescue

-  Self-Repairing
-  Darker Color
-  Drought Tolerant

Turf Saver® RTF®

Turf Saver RTF is the most advanced and unique tall fescue mixture available, providing the benefits of rhizomes not found in any other varieties. While other spreading varieties describe “potential” rhizome development or “aggressive tillering,” the deep-rooted and heat-tolerant Turf Saver RTF has been proven to mend damaged turf and maintain both uniformity and density.

RTF® Sod

RTF Sod provides the fastest route to the RTF experience, from sod harvest to installation of a mature stand in a matter of hours. The deep-rooted and heat-tolerant RTF Sod has been proven to maintain both uniformity and density while repairing itself after damaging events. RTF Sod is grown through a network of sod growers, and has its own association, with research and development ensuring continual improvement of the product to supply RTF for generations to come. If sod isn’t an option for larger repairs, it is recommended to use Turf Saver RTF to match texture and uniformity in color.


RTF® is available for sod production exclusively through Turf Producers Association.

To learn more visit: www.rtf sod.com.

Tall Fescue (cont.)

-  A-LIST Certified
-  US-Wide TOP TQ
-  Traffic Tolerance

-  Drought Tolerant
-  Rapid Germination
-  Dark Green Color
-  Economical Solution

-  Dark Color
-  Improved Tensile Strength
-  Improved Crown Density

-  Great Leaf Texture
-  Drought Tolerant
-  Traffic Tolerance

Wildfire™

Wildfire Tall Fescue blend was created to combat the harsh environments we face today, giving turf managers and/or owners a tool to fight the dynamic stresses they face on an annual basis. Varieties in the blend are disease resistant, with high turf quality throughout the country, have good drought tolerance, and can take a beating better than most Tall Fescues. Wildfire embodies the mission of the Alliance for Low Input Sustainable Turf by benefiting the environment through requiring less water, fertilizer, chemicals, and pesticides.

Water Saver® Pro

This 3-way turf-type tall fescue blend performs exceptionally in the U.S. Transition Zone and most areas from Colorado to California all while providing an economical option. In deep soils, Water Saver Pro can establish roots up to 8 feet deep, providing improved drought tolerance and good summer persistence. Water Saver Pro contains varieties with improved leaf texture and excellent disease resistance.

Advantages:

- Drought tolerant
- Summer persistent
- Deep rooting

Applications:

- Commercial landscape
- Parks & recreation
- Golf club grounds, rough, and driving range

NoNet

NoNet was developed with aggressive tillering traits that increase tensile strength, eliminating the need for netting used in commercial sod production. This blend establishes and matures fast, reducing sod producer harvest time. NoNet has dark green genetic color, improved disease resistance, and excellent density thanks to tillering characteristics.

Triple A

Triple A turf-type tall fescue blend performs well in a broad range of climates and conditions. The varieties used in Triple A have an attractive, dark green color and improved leaf texture, which makes this blend an excellent choice for many turf applications. Ideal for golf course roughs, athletic fields, home lawns, and municipal spaces.

“Repeated seedings over the entire playing surface with RPR plus Yellow Jacket coating produced a steady improvement in overall turf quality. RPR has literally been a life saver!”

Don Moody, Grounds Supervisor SUNY Cortland, Cortland, NY

Perennial Ryegrass



Gray Leaf Spot Resistance



Dark Green Color



Traffic Tolerant

Turf Star®

Turf Star is a 3-way blend of superior quality Perennial Ryegrasses for virtually all golf, sports turf, and recreational applications in cool to temperate climates, or as a premium overseed option in the South. Featuring dark green perennial ryegrass varieties with strong genetics and mechanical purity, Turf Star is a popular choice when high quality is desired. Fast to germinate and quick to establish, Turf Star features strong traffic tolerance and good recovery.



Economical Solution



Dark Green Color



Disease Resistant

Medalist Gold™

Medalist Gold perennial ryegrass blend is the economical solution for permanent turf with good density, dark color, and overall tolerance to common diseases and pests. The varieties selected for this blend show improved seedling vigor. When used as an overseed, Medalist Gold's fast establishment can rejuvenate thin turf, or where rapid turf recovery is necessary.

Premium Perennial Ryegrass



Rapid Germination



Quick Wear Recovery



Deep Green Color

RPR®

A mixture of RPR varieties and elite Perennial Ryegrass, RPR is the solution for all golf, sports, and recreational facilities where elite Perennial Ryegrass quality is required. RPR's extreme wear tolerance and ability to recover thin and damaged turf is unique to the industry. Extremely fast germinating and quick to establish, RPR can also be overseeded into traditional cool-season turf lawns, such as Kentucky bluegrass, fine fescue, and traditional perennial ryegrass.



Light Green Color



Very Fine Texture



Reduce Appearance of Poa

XPC™

XPC is a unique blend of Perennial Ryegrasses designed to not accentuate your Poa problem, but help conceal it. Utilizing varieties that have a more natural color, XPC is made up of carefully selected perennial ryegrasses that exhibit increased density and tolerance to lower mowing and stress from wear. These characteristics enable the novel XPC blend to better compete with Poa and mask its presence.

Top: RPR at Walker Stadium, Portland, OR

Right: Homeowner Yard with RPR





Fine Fescue

With a very fine leaf texture, low growth characteristics, and exceptional density, Fine Fescues are a common component of shade mixtures, erosion control blends, and low-maintenance turf in golf and landscapes. In cooler, temperate climates, established fine fescue lawns can also have good drought tolerance, low fertility requirements, and will tolerate deep shade to full sun. Barenbrug offers various fine fescue species for use in mixes for landscape, golf, erosion control, unmowed naturalized areas, and low maintenance turf areas; each providing unique benefits to maximize turfgrass sustainability.

Sub-species Available:

- Sheep Fescue
- Slender Creeping Red Fescue
- Chewings Fescue
- Strong Creeping Red Fescue
- Hard Fescue

The Five Species of Turf Fine Fescue and Their Characteristics

	Chewings Fescue	Strong Creeping Red	Slender Creeping	Hard Fescue	Sheep Fescue
Species	<i>F. rubra</i> ssp. <i>commutata</i>	<i>F. rubra</i> ssp. <i>rubra</i>	<i>F. rubra</i> ssp. <i>litoralis</i>	<i>F. brevipila</i>	<i>F. ovina</i>
Spreading	Very Little	Strong	Little	Very Little	Very Little
Height	Moderately Low	Moderately Tall	Medium	Low	Low
Leaf Texture	Fine	Broad	Medium	Fine	Fine and Wiry
Leaf Color	Light-Medium Green	Medium Green	Light-Medium Green	Dark Grayish Green	Powdery Blue-Green
Usefulness in Low Maintenance	Limited to cool, moist climates. Useful under adverse fertility, pH	Limited to cool, moist climates. Useful under adverse fertility, pH	Limited to cool, moist climates. Useful under adverse fertility, pH	Drought and heat tolerant. Adapted in transition zone areas.	Drought and heat tolerant. Adapted in transition zone areas.

Source: Brede, D. (2000). Turfgrass Maintenance Reduction Handbook: Sports, Lawns, and Golf. Ann Arbor Press.

Fine Fescue (cont.)



Shade Tolerant

Dunes Mix™

Our Dunes Mix is a superior quality mixture of our genetically advanced fine fescues of Chewings fescue and slender creeping red fescue. Recently rejuvenated with improved genetics, these two types of fescues come together to create the “dunes” look found on many of the world’s finest golf courses. Dunes Mix provides improved density, a finer texture, and better stress tolerance.



Early Spring Green-up



Medium-to-Dark Green Color



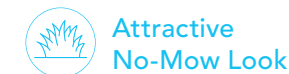
Shade Tolerant

Scottish Links™: Fine Fescue Mixture

Create a beautiful links appearance while benefiting from reduced maintenance and erosion control with Scottish Links. With the increased need for low input turfgrasses and the growing popularity of links-style courses, Scottish Links provides no-mow applications in the deep rough with its showy seed heads flowing in the wind. In fairways and rough areas Scottish Links provides longer lasting cover under low input scenarios, including reduced irrigation and/or fertilizer use.



Early Spring Green-up



Attractive No-Mow Look



Drought Tolerant

Shade Savant™: Fine Fescue & Perennial Ryegrass Mixture

Shade Savant is a fine textured mixture that provides ornamental value even in areas plagued with shade. This product was initially tested for drought tolerance and was found to be more drought tolerant than any of its individual ingredients, exhibiting additive effects! Shade Savant will adapt to the level of sunlight exposure, whether planted in full sun or deep shade.



Fast Establishment



Fine Leaf Texture



Top Left: Dunes Mix, Bandon, OR Above: Barenbrug Fine Fescue, WI



Bermudagrass

Quick to establish and best-suited for full sun locations, Bermudagrass is heat-tolerant and capable of developing a deep, extensive root system. When fully established, bermudagrass requires significantly less water than traditional cool-season species to provide a quality turf surface. Both stoloniferous and rhizomatous, bermudagrass exhibits high density, strong traffic tolerance, and excellent traffic recovery when mowed at 1" or lower.

 **Fast Establishment**

 **Early Green-Up**

 **Dark Green Color**

Monaco® Elite Seeded Bermudagrass

Monaco is a highly ranked variety tested in the 2013 NTEP trials and possesses a rare combination of traits in exceptional wear tolerance, high winter hardiness, and early spring green-up. Monaco is excellent for use on golf courses, sports turf, and higher-quality lawns, producing a quality grass surface that appears early, withstands a multitude of stresses, and stays late into the year.

Hollywood™ Elite Seeded Bermudagrass

Hollywood provides excellent quality and a distinct cost advantage over planting vegetative varieties. In the 2007-2012 NTEP trials, Hollywood was comparable to industry standards of Riviera and Princess 77. It was bred from collections made in the Deep South to retain heat tolerance and in the Pacific Northwest for cold tolerance. Additional screening selected the most cold tolerant strains to reduce impacts of winterkill.

 **Wear Tolerant**

 **Dark Color**

Bermudagrass (cont.)

 **Early Spring Green-up**

 **Traffic Tolerant**

 **Medium-Dark Color**

PanAm® Blend

PanAm provides a high-quality turf suitable for golf fairways, tees, intermediate-roughs, and driving ranges. Also ideal for lawns, green belts, and parks and rec turf situations, PanAm is an economical blend of seeded turf-type bermudagrasses such as Bargusto™, Transcontinental™, and Hollywood™. PanAm contains strong genetic diversity and can be applied across various warm-humid regions within the United States.

Below: Monaco Elite Bermudagrass at Sammy Ofer Stadium



Above: Closeup of overseeded turf at Sammy Ofer Stadium



Bentgrass

We know that each and every golf course is unique. Because of this, we know each course faces their own set of problems. Offering some of the best bentgrass genetics on the market today, we are proud to carry varieties that help solve many of the challenges superintendents face today.

Variety	Genetic Color	Leaf Texture	Spring Green-up	Dollar Spot Tolerance	Thatch Production	Most Similar To
L-93 XD™	Medium Green	Very Fine	Good	Excellent	Mod-high (depends on management)	Pure Distinction, Pure Select
T-1™	Very Dark Green	Moderately Fine	Very Good	Good	Mod-Low	Penn A4, Penn A1 (texture)
V8™	Medium	Moderately Fine	Good	Excellent	Low	Penn A4, Penn A1 (texture)
Kingdom™	Very Dark Green	Moderately Fine	Moderate	Moderate	Moderate	Penn A4, Penn A1

 **Dark Green Color**

Universal Blend™: *Creeping Bentgrass*

Universal Blend is a combination of high performance Jacklin creeping bentgrasses at an affordable price. As common with Jacklin bentgrasses, this blend will exhibit aggressive lateral growth and less top growth, allowing it to spread without growing tall. From increased heat and drought tolerance, to more resistance against diseases, this blend can be planted in a wide range of golf courses and applications.

 **Heat Tolerance**

 **Disease Tolerance**

Additional Products

Contractor's Mix

Barenbrug's Contractor's Mix provides quick cover when needed, at any time of the year, at an affordable price. This turfgrass mixture will germinate quickly to prevent soil degradation and provide erosion control in all conditions. This mixture will rapidly anchor into the soil substrate, later transitioning to a permanent crop and decreasing the likelihood of weed encroachment.

Havana *Poa trivialis*

Havana is an improved *Poa trivialis* developed for fall and winter overseeding of bermudagrass in the warm regions of the desert southwest, south, and southeast. Havana exhibits a quick, smooth spring transition allowing the rapid recovery of bermudagrass. It will not persist into the next overseeding year. With approximately 2.3 million seeds per pound, it can be used at low seeding rates as a monostand or blended with other *Poa trivialis* varieties. With rapid germination and fast establishment, Havana also performs well in overseeding mixtures with perennial ryegrass, fine fescue, and creeping bentgrass.

S184 *Turf Clover™*

Turf Clover (*Trifolium repens*) is a perennial white clover growing to approximately 4 - 6 inches tall, making it ideal for a lawn alternative or as an addition to an existing lawn. It is a very fine-leaved white clover, primarily spreading by stolons that travel outwards on the soil surface which root as they come into contact with the soil surface. Adding just 2 - 5% of Turf Clover to a grass seed mixture will result in enough seeds to fill a lawn. These seeds are packaged pre-inoculated with Rhizobia that are required to trigger processes that enable the plant to "fix nitrogen." This is a unique ability to clover, which is pulling nitrogen from the air and fixing or converting it to a plant-usable form. This makes Turf Clover a great companion for turfgrass varieties. The dense stand comprised of clover and the turfgrass will suppress existing weeds as well as prevent the establishment of new weeds, aided by self fertilization.

Pollinators Paradise® *Tall Fescue & Turf Clover Mixture*

Pollinators Paradise is a high performing mixture that is safe for the environment and its pollinating creatures. This product will flower in the summer, providing pollinators a food source. Other environmental benefits will include soil remediation and stabilization. Capturing atmospheric nitrogen and releasing it into the soil and surrounding turfgrass will result in a healthier plant community compared to products without clover.

Drought Destroyer®

95/5 Tall Fescue/Kentucky Bluegrass Mix

Drought Destroyer is a product designed to withstand even the most excruciating droughts. This mixture contains varieties that have been trialed extensively for drought with the sole purpose of long-term survival and improved color retention. Drought Destroyer has been tested for drought tolerance across the country for acute and chronic drought conditions at independent research locations as well as universities.

Heisman *85/15 Blue/Rye Mix*

Our Heisman Mixture will provide fast germination and excellent soil stabilization while establishing a dominant Kentucky bluegrass stand. The combination of 85% Kentucky bluegrass and 15% perennial ryegrass makes for the ideal turf, that establishes fast and retains a bluegrass feel.

Athletic Pro II *50/50 Blue/Rye Mix*

Athletic Pro II is a great selection for those with hard to manage fields with limited budgets. This is a durable blue/rye combination with great wear tolerance, vigorous recuperative ability, and broad disease resistance.

A-Plus *90/10 Tall Fescue/Kentucky Bluegrass Mix*

A-Plus is our blend of 90% Tall Fescue and 10% Kentucky Bluegrass that is an excellent selection for sod production with great recuperative potential and tensile strength. A-Plus maintains a denser and finer textured turf by being able to creep into voids caused by divots or excessive wear.

OVERSEEDING

SOS™

SOS 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, SOS will also germinate with soil temperatures in the mid-40's (Fahrenheit), enabling areas to be repaired after heavy play and allowing continued use.

Duo Pro™

As a Perennial/Annual mixture, Duo Pro can be utilized in cool-season and warm-season areas as an overseed. With fast germination at lower-temperatures, Duo Pro repairs cool-season fields during the worst of growing conditions, when the threat of thinning turf and annual bluegrass invasion is always present. Warm-season areas overseeded with Duo Pro achieve the look of perennial ryegrass with the lower cost of the turf-annual. During transition, this blend will still require chemical removal due to the perennial components.

Top Flight™

Top Flight is a 3-way blend of Perennial Ryegrass varieties designed to be more affordable. With rapid establishment, Top Flight will create lush landscapes for golf courses, parks, sports fields and home lawns. Top Flight germinates fast while quickly establishing a dense turf. When used for warm overseeding, Top Flight is less competitive against Bermudagrass making it easier to remove than elite perennial ryegrasses.

Overseeder II *70/30 Blue/Rye Mix*

Overseeder II is an aggressive blend producing a dense canopy crowding out weeds such as *Poa annua*. The vigor and strength of Perennial Ryegrass will allow for greater wear tolerance, with a high-quality and winter hardy Kentucky bluegrass base.

Barenbrug RTF® at Oak Hill Country Club

Find out how Barenbrug's RTF turf played an important role in readying Oak Hill Country Club for the 2023 PGA Championship. Excerpt by Pat Jones

As you're going through this process and beginning to work on other areas, where did RTF fit in?

One of the people that I talked with about grassing around greens and on bunker faces and such was Mike LoPresti from Canterbury GC in Cleveland. Mike worked here and understood what we were trying to do. He'd used RTF during their renovations, so I picked his brain about it and what he liked about it.

What did you learn?

We knew we wanted a turf-type tall fescue. I liked the fact RTF was rhizomatous. Honestly, I knew I was going to get good performance out the RTF, but I didn't know how good it would be. I think I found that out in the first year and we actually had to make some agronomic changes to allow it to flourish even more.

"With RTF, we don't even have to touch it with a hose. We barely water it through the course of the season. And from a nutritional standpoint, our inputs probably went down close to 50 percent."

How did it exceed your expectations?

Typically, back in the day we would put down Kentucky bluegrass on green surrounds and it would be one more thing we had to worry about keeping alive. But with RTF, we don't even have to touch it with a hose. We barely water it through the course of the season. And from a nutritional standpoint, our inputs probably went down close to 50 percent.

Performance throughout the summertime has just been phenomenal. I mean, the amount of time we used to waste with guys watering bunker faces by hand...we just don't have to do that anymore. It could be blistering hot and dry and we're barely touching the bunker faces with the RTF.

"Performance throughout the summertime has just been phenomenal."

What else did you observe about RTF?

The other facet I've seen is it seems extremely resilient against Poa invasion. That's been a pleasant surprise. I think it's the density of the turf plus good management practices with pre-emerge and timing. But the grass is definitely part of that. It's extremely competitive. At those heights of cut, RTF definitely has a distinct advantage over Poa annua. It's been four seasons now and the RTF remains strong. If it had been KBG I think we would have seen a lot more Poa by now.

What's the feedback been like from your team and the members?

The feedback from our team has been awesome, particularly from the standpoint of not having to waste a lot of man hours watering bunker faces. The members do notice the balls tend to hang up on those faces a little bit more. It made the hazards a little more hazardous. It will be interesting to see how the pros handle it during the PGA.

Overall, as far as the rough is concerned and how we manage it and the inputs and labor we had to put in, it's been a gamechanger for us.

Species & Characteristics

Species & Characteristics	Perennial Ryegrass	Perennial Ryegrass(RPR)	Annual Ryegrass	Tall Fescue	Kentucky Bluegrass	Common Bermudagrass
Genus	Lolium	Lolium	Lolium	Festuca	Poa	Cynodon
Specific Epithet	perenne	perenne	multiflorum	arundinacea	pratensis	dactylon
Subspecies	-	stoloniferum	-	-	-	-
C-Fixation Type	C ₃	C ₃	C ₃	C ₃	C ₃	C ₄
Growth Habit	Bunch	Determinate Stolons	Bunch	Bunch/Rhizomes	Rhizomes	Stolons/Rhizomes
Establishment	Fast	Fast	Fast	Moderate/Good	Slow/Moderate	Slow/Moderate
Wear Tolerance	Good/Very Good	Good/Very Good	Poor/Moderate	Moderate/Good	Good	Very Good
Recovery	Slow	Moderate	Slow	Slow/Moderate	Moderate/Fast	Fast
Thatch Production	Little	Some	Little	Little	Some	Excessive
Heat Tolerance	Moderate/Good	Moderate/Good	Very Poor	Very Good	Good	Excellent
Salt Tolerance	Poor	Poor	Poor/Moderate	Good	Moderate	Very Good
Fertility Requirement	Moderate/High	Moderate/High	Moderate/High	Low/Moderate	Moderate	Moderate
Mowing Recommendation	0.5"-3"	0.5"-2.5"	2"-3"	1"-3.5"	0.5"-3"	0.5"-1"
Drought Tolerance	Poor/Good	Moderate	Poor	Very Good	Good	Very Good
Leaf Texture	Fine	Fine	Fine/Moderate	Moderate/Coarse	Fine/Moderate	Fine/Moderate

Seeding Rates	Seeds/Pound	lbs/1000ft ²	lbs/acre	kg/ha	g/m ²
Creeping Bentgrass	7,000,000	0.75-1.25	35-55	37-61	4-6
Colonial Bentgrass	5,000,000	1-2	45-90	49-98	5-10
Chewings Fescue	450,000	4-6	175-260	195-295	20-30
Creeping Red Fescue	450,000	4-6	175-260	195-295	20-30
Hard Fescue	500,000	4-6	175-260	195-295	20-30
Tall Fescue	250,000	8-10	350-435	390-490	40-50
Kentucky Bluegrass	1,300,000	2-3	65-110	75-120	10-15
Perennial Ryegrass/RPR	250,000	8-10	350-435	390-490	40-50
Annual Ryegrass	200,000	10-15	435-650	490-730	50-75
Common Bermudagrass	1,400,000	2-3	45-130	100-145	10-15

Species & Characteristics (cont.)

Species & Characteristics	Creeping Bentgrass	Colonial Bentgrass	Chewings Fescue	Creeping Red Fescue	Hard Fescue
Genus	Agrostis	Agrostis	Festuca	Festuca	Festuca
Specific Epithet	stolonifera	capillaris	rubra	rubra	brevipila
Subspecies	-	-	fallax	litoralis/rubra	-
C-Fixation Type	C ₃	C ₃	C ₃	C ₃	C ₃
Growth Habit	Stolons	Bunch	Bunch	Rhizomes	Bunch
Establishment	Moderate	Moderate	Moderate	Moderate	Poor
Wear Tolerance	Poor/Moderate	Poor	Poor	Poor	Poor
Recovery	Fast	Slow	Slow	Moderate	Slow
Thatch Production	Excessive	Moderate	Moderate	Excessive	Moderate
Heat Tolerance	Very Good	Poor	Poor/Moderate	Poor/Moderate	Poor/Moderate
Salt Tolerance	Good	Moderate	Poor/Moderate	Poor/Good	Good
Fertility Requirement	Moderate	Low	Low/Moderate	Low/Moderate	Very Low
Mowing Recommendation	0.125"-1"	0.200"-1"	2"-3.5" Or No-Mow	2"-3.5" Or No-Mow	2.5"-3.5" Or Now Mow
Drought Tolerance	Moderate	Moderate/Good	Good	Good	Very Good
Leaf Texture	Very Fine/Moderate	Fine	Very Fine	Very Fine	Very Fine



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