



GOLF NEWS

2019 EDITION

 **BARENBRUG**



INNOVATIVE

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UK grass seed breeder
and grass expert
since 1904***



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Ryegrass on the greens takes Trevose golf course to a hole new level

When Trevose Golf and Country Club's iconic fourth hole was hit by the tail end of four Atlantic hurricanes in 2017 – its greenkeeper took the course by storm when he turned an unplayable hole into a putting paradise in less than four months.

Flying in the face of convention, course manager Neil Ivamy used a Barenbrug ryegrass on the damaged greens to get it back in play, and has never looked back. Now players are commenting that the putting green is better than the original.

Weather watch

Ivamy had many sleepless nights when the

fourth hole on the prestigious Championship links course was damaged by weather in 2017. Designed in 1925 by world-renowned golf course architect Harry Colt, the course is 20 metres from the Atlantic Ocean on the north coast of Cornwall and its fourth hole is raised up so players can appreciate the stunning views across Trevose Head to Booby's Bay, Mackerel Cove and further out to Quies Rocks.

"We've always battled against the elements here, given our location, but in 2017 we bore the brunt of Atlantic storms such as Ophelia, Caroline, Dylan and Eleanor," says Ivamy, who has been at the course for 10 years. *"The grass was*

bombarded with salt water and spray over many months and by October there was a rapid decline in the grass. Yellow patches appeared and eventually the fescue thinned out and died. We had to take the difficult decision to close the hole."

Bring into view

Offering the best views on the course, the temporary closure of hole four was a major headache for the leading links course, but especially for Ivamy. *"It was particularly hard to take as we'd put a lot of effort into the hole the previous winter after a redesign with golf course architects Mackenzie & Ebert. We knew we had to call the experts in,"* says Ivamy.



"In February, David Greenshields from Barenbrug visited us and recommended oversowing with ryegrass. Although this was unconventional, we both agreed it was the best approach. With cooler temperatures than normal for this time of year, ryegrass seed mixes including Barolympic have the benefit of growing at temperatures as low as 4 degrees and are also salt tolerant. If the rye became a problem for us we would spray it out with a graminicide at a later date, but so far this hasn't been the case"



Before and after

With the help of 2,700 sq metres of germination sheet to warm up the soil, Ivamy did a first sowing in March – and waited with bated breath.

"The green was back to full coverage by June, which was a very quick turnaround," he says. "The grass is more blended and the putting surface is better overall. Players have commented that it's far better than it's ever been, which is great to hear."

Tour de fourth

With the high-traffic, family run course seeing 40,000 rounds a year, the ryegrass also has the added benefit of coping well with wear and tear. Its success couldn't have come at a better time. The Trevoze team has just been informed the course has been chosen to host the new European Legends Links Championship on the Staysure Tour in June 2019. And with the course centenary just around the corner, Ivamy is confident that the playability of the fourth hole will continue to exceed expectations.

"This experience has really opened my eyes to the versatility of the dwarf ryegrasses, and using them in other areas we might not have thought of," says Ivamy. "I'll definitely be using Barenbrug exclusively this year."



Dry summer has proven no match for Kent Greenkeeper

With the driest summer on record since 1961, this year has been one of the most challenging in James Bledge's three years as Course Manager.

Already battling with the sandy soil and sea breezes at the Royal Cinque Ports course in Kent, Bledge has turned to a range of drought-busting tactics to tackle 2018's low rainfall at the 126-year-old championship links course.

Despite the heatwave, the team's efforts – and the "bounce back quality" of the Barenbrug grass seed – has helped the course turn a corner, and seen it rated by one golf magazine as one of the top seven courses in England.

Sun, sea and sand

With the course based along a very thin piece of land on the Deal coastline, Bledge has had to learn to work with shallow topsoil. "The course leaches water and nutrients constantly and it's hard to maintain moisture levels," he says. "What's more, the fairways and greens have severe undulations so it can be difficult to get uniform colour."

The low rainfall has resulted in a 5-10% browning of the fairways after grow back in particular – but Bledge has been blown away by the ability of the Barenbrug seed to grow back. "I joke that the motto of this grass should be: 'you can kill me, but I'll keep coming back!'" he says. "We seeded the semi rough with RPR

and Ultrafine but we were unable to get water to this area for various reasons. Despite this, the grass is germinating again, and there are lines upon lines of new growth. It's pretty remarkable considering it has had no water for months."

Other areas of the course fared better with the Ultrafine and dwarf ryegrass on the tees performing well. "These parts of the course have very heavy traffic – some 35-40,000 rounds of golf a year – but we've never looked back since we started using Barenbrug seed on these areas," says Bledge, who is overseeing the installation of a £1million new irrigation system across the course this year. "Germination has been fantastic."



In fact, Bledge and his team started from scratch on the fairways, approaches, tees and long roughs only a few years ago. *"We killed off the grass we didn't want in these areas – quite a bold move really – but it's given the other grasses a head start and thanks to this new improved seed it now looks fantastic,"* he adds.

Heatwave weapon

The dry weather has led to Bledge using some unorthodox methods too. *"My secret weapon has been my Senior Greenkeeper Mac, who celebrated 40 years of service at the course recently. He prefers to sleep in the afternoon so at 2.30am every morning he's out hand watering all the greens, approaches, tees and high spots on fairways.. He loves it – and so do we!"* says Bledge. *"Hand watering saves water as it gets to where it needs to go and targets tricky areas that are missed with blanket watering."*

With visitor numbers swelling, Bledge says he is considering experimenting with cold seeding this year to extend the season too. *"We've noticed when we sow our Barenbrug seed in winter, we still get fantastic results the following spring – just a little later,"* he says. *"The grass sleeps over the winter but jumps straight back into action when we need it."*

"This has multiple benefits. Sowing later allows us to use the course for competitions in October and November without disruption, and means members can play for longer without us digging up the green beside them. In the long term the club makes more money for a longer period, so it's a win-win for everyone!"



Day 1 of Rescue Application



Day 10, 20g fescue seed drilled after day 3



Day 30, 10 days after 1st application of Consolidate, seed power, zinc



Day 40, 5 days after 2nd application of Consolidate, seed power, zinc



Recovery period during and after Rescue application and overseeding.





Fescue

Golf greens, tees, fairways, bowling greens

Usage

Overseeding and/or construction of free-draining fine-turf areas golf and bowling greens; tees and fairways

Key points

- *Barlineus* #1 Red Fescue
- #1 mixture of type

Species Formulation

50% slender creeping red fescue
50% Chewings red fescue

FESCUE is an outstanding blend of four red fescue cultivars; *Viktorka*, *Barcrown*, *Barlineus* and *Bodega*, for the overseeding and construction of free-draining fine turf.

The mixture is made up of 50% slender red creeping fescue and 50% Chewings red fescue seed. The combination of these two sub-species offers the best solution for year-round performance and growth in fescue-dominant turf – Chewings fescues will generally be most active in spring through to mid-summer, whereas slender creepers “kick in” during early summer and perform well through to autumn.

Table 1 shows the performance of the cultivars in the BSPB Turfgrass Seed Booklet 2019. FESCUE contains the top-rated red fescue (*Barlineus*, 30%) on the market. With two of the top four slender creeping varieties and the #5 Chewings fescue completing the blend, FESCUE is unrivalled as the market-leading mixture of its type for fine turf use.

CULTIVAR	%	Mean Score	Rank	Shoot Density	Rank	Disease Resistance	Rank
<i>VIKTORKA</i>	30	7.6	2	7.7	3	7.8	3
<i>BARCROWN</i>	20	7.5	4	7.7	1	8.4	1
<i>BARLINEUS</i>	30	8.2	1	8.3	1	7.4	3
<i>BODEGA</i>	20	7.7	5	7.7	4	6.8	8

Table 1 Scoring and ranking of FESCUE cultivars from Turfgrass Seed 2019 for golf greens use

Discover our FESCUE Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk.

IN THE BAG

30%	VIKTORKA Slender creeping red fescue
30%	BARLINEUS Chewings red fescue
20%	BARCROWN Slender creeping red fescue
20%	BODEGA Chewings red fescue

Sowing rate:	25-35g per m ²
Overseeding rate:	15-25g per m ²
Sowing depth:	8-12mm below thatch
Mowing height:	Down to 4mm
Pack size:	20kg
Yellow jacket:	10kg

Available with



Find out more on page 10
or visit www.barenbrug.co.uk



Fairway

Fairways, tees, roughs

Usage

Overseeding, divoting and/or construction of free-draining turf areas; tees, fairways and roughs

Key points

- Hard fescue for performance under low nutrition and drought
- High quality and excellent disease resistance

Species Formulation

35% strong creeping red fescue
30% slender creeping red fescue
20% Chewings red fescue
15% hard fescue

FAIRWAY is an excellent blend of four fine fescue species; hard fescue and the three sub-species of red fescue; slender creeping, strong creeping and Chewings. It is designed for overseeding, divoting and constructing free-draining turf areas on the golf course.

Hardtop and *Beacon* hard fescue offer superior performance under many stress factors associated with turf areas that this blend is used for. These include drought, heat, cold and low nutrition.

The red fescue cultivars in the mix are all consistent performers, and are all ranked highly in the BSPB Turfgrass Seed booklet. Of particular note is the outstanding red thread tolerance of *Barrissee* (ranked #1), an important factor in fairways under low nutrition.

IN THE BAG

35%	BARRISSE Strong creeping red fescue
30%	VIKTORKA Slender creeping red fescue
20%	MUSICA Chewings red fescue
7.5%	HARDTOP Hard fescue
7.5%	BEACON Hard fescue

Sowing rate:	20-35g per m ²
Overseeding rate:	15-25g per m ²
Sowing depth:	8-12mm below thatch
Mowing height:	Down to 7mm
Pack size:	20kg
Yellow jacket:	10kg

Discover our **FAIRWAY** Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk.

Available with



Find out more on page 10 or visit www.barenbrug.co.uk



Yellow Jacket Water Manager

Game-changer for golf courses

Available with **FESCUE** and **FAIRWAY**

Areas of use

- Divotting
- Newly sown areas on sand-based rootzone
- Oversewing fairways and greens

Pack size: 10kg
Available with: Fescue and Fairway

No water, no germination

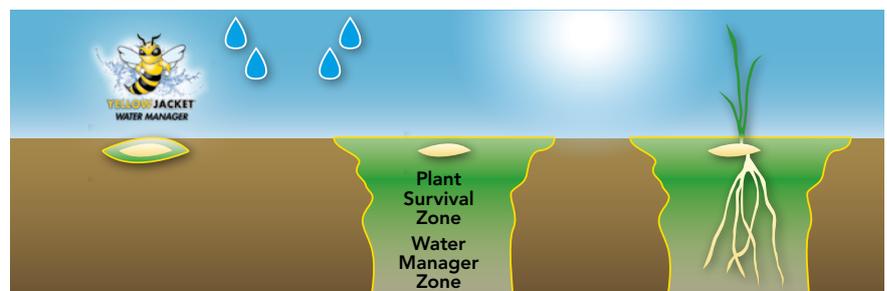
Yellow Jacket Water Manager is a seed enhancement product, which places a dedicated surfactant or wetting agent around the seed. This:

- Ensures water availability in the soil for both optimum germination and establishment
- Manages the amount of water around the seed and in the soil around the seedling
- Improves germination and establishment in drier environments and at times of low irrigation/rainfall
- Reduces the need for excessive irrigation during the establishment phase

YJWM features patented technology, which is the result of a research project by Barenbrug and Aquatrols that has been independently tested by the STRI.

Where, when and why you might need Yellow Jacket Water Manager

- **Divotting tees and fairways;** sand-based divot mix is very susceptible to drying out, particularly during the golfing season. YJWM increases germination and seedling survival in this environment.
- **Overseeding greens;** overseeding places seed in an exposed and hostile (dry and sandy) environment. Positioning the wetting agent around the seed improves the chances of a successful "take".
- **Overseeding fairways;** thatchy (wet and dry) environment. Water management is key here.
- **Hydrophobic soil;** extremely common issue, caused by surface waxes eroded from plant leaves, plant root exudates, decomposing organic matter and fungal hyphae. Surfactant chemistry allows water to penetrate the soil around the seed, initiating germination faster. The soil then remains wettable for a length of time, improving irrigation efficiency and establishment.
- **Newly sown areas on sand-based rootzone;** helps to promote consistent, even germination/establishment and reduces the necessity for continuous irrigation.



Phase 1

Water distributes the Water Manager throughout the soil to create a Plant Survival Zone.

Phase 2

The Plant Survival Zone ensures that each seed has enough water to germinate and manages the moisture content around the seedling during its establishment.

Phase 3

The grass seedlings are less affected by abiotic stress, so more plants survive.



Shoreline Coastal courses

Usage

Overseeding and/or construction of free-draining fine and medium-fine turf areas exposed to saline conditions.

Key points

- Germination and survival in salt
- *Viktorka* #2 slender creeping red fescue

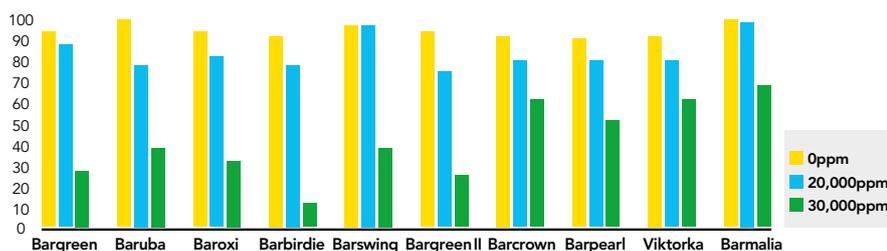
Species Formulation

100% slender creeping red fescue

SHORELINE is an innovative blend of three slender creeping red fescue cultivars; the name **SHORELINE** is derived from the Latin *litoralis*, the species name for slender creepers. The mix contains the #2-ranked variety *Viktorka* alongside long-established cultivars *Barmalia* and *Barpearl*.

The mix provides superior salt tolerance for fescue dominant golf greens on links and seaside golf courses exposed to salt spray and salt-laden winds. It is suitable for the construction and overseeding of all areas of free-draining turf exposed to salt.

Germination salt tolerance is tested in a laboratory using ISTA parameters at different salt levels equivalent to sea water of 20,000 and 30,000 parts per million (ppm), with 0ppm as a control. Laboratory trials at Barenbrug research demonstrate the superior germination capability of cultivars of slender creeping red fescues (*Festuca rubra litoralis*) in comparison with cultivars of Chewings fescues (*Festuca rubra commutata*). The data represents percentage germination after 30 days at 0ppm (control), 20,000ppm and 30,000ppm. (Graph 1).



IN THE BAG

40%	BARMALIA Slender creeping red fescue
30%	VIKTORKA Slender creeping red fescue
30%	BARPEARL Slender creeping red fescue

Sowing rate:	35-45g per m ²
Overseeding rate:	20-30g per m ²
Sowing depth:	8-12mm below thatch
Mowing height:	Down to 4mm
Pack size:	20kg

Graph 1

Laboratory Test: Germination of cultivars of slender creeping red fescue and Chewings fescue.

Chewings fescues: *Bargreen*, *Baruba*, *Baroxi*, *Barbirdie*, *Barswing*, *Bargreen II*.
Slender creeping red fescues: *Barcrown*, *Barpearl*, *Viktorka*, *Barmalia*.

Discover our **SHORELINE** Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk.



All Bent

Golf greens, bowling greens

Usage

Overseeding golf and bowling greens

Key points

- *Charles* #1 by 0.5!
- *BarKing* #5 bent
- *BarKing* winter colour and *Microdochium* (*Fusarium*) tolerance

Species Formulation

100% browntop bentgrass

ALL BENT is a 100% browntop bentgrass blend designed for overseeding and species exchange in golf and bowling greens.

The blend contains three cultivars; *Charles*, *Heriot* and *BarKing*.

Charles is a new NZ-bred variety, named after Bob Charles, the first left-handed golfer to win a major. Like Bob, it breaks new ground, being ranked #1 by a clear half-point in Turfgrass Seed 2019 Table G1 (see Figure 1)! Its scores for visual merit and shoot density promise to have a major impact as part of a species exchange programme, improving golf greens and out-competing the ubiquitous *Poa annua*.

BarKing is ranked #5, is an excellent European-bred cultivar with superior wear tolerance and winter colour. It also possesses very good tolerance to *Microdochium* Patch disease (*Fusarium*).

Barenbrug recently published results of an extensive four-year trial assessed independently by the STRI, which highlighted the benefits of using *capillaris* cultivar instead of other bentgrass species in the UK and Ireland. A copy of this booklet can be found via www.barenbrug.co.uk.

IN THE BAG

50% **BARKING**
Browntop bentgrass

30% **HERIOT**
Browntop bentgrass

20% **CHARLES**
Browntop bentgrass

Sowing rate: 8-10g per m²
Overseeding rate: 4-6g per m²
Sowing depth: Rootzone contact
Mowing height: Down to 3mm
Pack size: 10kg, 20kg

Discover our **ALL BENT** Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk



Ignite (V8) Creeping bentgrass

Bred by Jacklin Seed, Ignite (known as V8 in USA) is a new creeping bentgrass bred specifically for high performance golf greens. Ignite is a hybrid between two elite breeding lines selected for its close-mowing, shade and disease tolerance.

Ignite has been seeded on golf courses worldwide (including the UK) and has received excellent independent evaluations in current NTEP (National Turfgrass Evaluation Program) putting green trials comparing it side-by-side with other commercial and experimental bentgrasses.

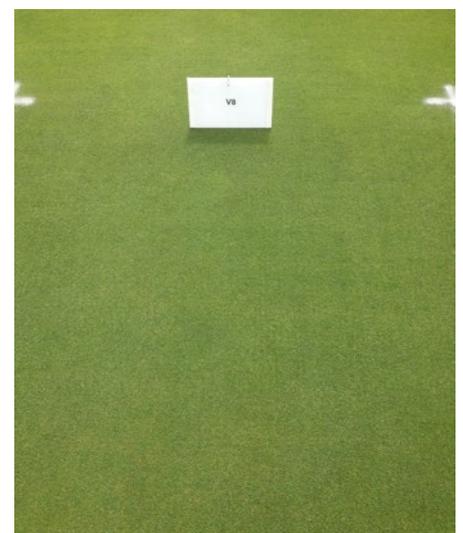
Characteristics

- Ignite earned the #1 ranking for turf quality in NTEP's putting green trials for LPI Group 1 with locations in Indiana, Kentucky, Minnesota, Pennsylvania, Utah, Virginia and Washington state
- Exceptional fineness of leaf and shoot density
- Good disease tolerance to *Microdochium*, Anthracnose and Dollar Spot
- Highly tolerant of shade
- Good spring green-up
- Medium-dark blue-green colour
- Smooth recovery from aeration

Species Formulation

100% Ignite creeping bentgrass

Sowing rate:	8-10g per m ²
Overseeding rate:	4-5g per m ²
Sowing depth:	Rootzone contact
Mowing height:	Down to 2mm
Pack size:	11.34kg buckets



Discover our **IGNITE (V8) Factsheet** to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk



L-93XD

Creeping bentgrass

Bred by Jacklin Seed, L-93XD is a brand new creeping bentgrass bred specifically for high performance golf greens and eXtra Disease (XD) tolerance.

L-93XD has received excellent independent evaluations in current NTEP (National Turfgrass Evaluation Program) putting green trials comparing it side-by-side with other commercial and experimental bentgrasses.

Characteristics

- L-93XD earned #1 ranking at California Golf Club of San Francisco greens test, =#2 Los Angeles Country Club greens test, #1 NJ1 greens, =#2 IN1 greens, =#2 LPI Group 3 greens, =#2 LPI Group 1 fairway, =#3 LPI Group 2 fairway
- Exceptional fineness of leaf and shoot density
- Excellent disease tolerance to *Microdochium*, Anthracnose and Dollar Spot
- Medium green colour

Species Formulation

100% L-93XD creeping bentgrass

Sowing rate:	8-10g per m ²
Overseeding rate:	4-5g per m ²
Sowing depth:	Rootzone contact
Mowing height:	Down to 2mm
Pack size:	11.34kg buckets

Discover our L-93XD Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk



Classic 80:20

Golf greens, bowling greens

Usage

Construction of free-draining fine-turf areas; golf and bowling greens

Key points

- *Barlineus* #1 Chewings
- *Viktorka* #2 slender
- *BarKing* #5 bent

Species Formulation

40% slender creeping red fescue
40% Chewings red fescue
20% browntop bentgrass

CLASSIC 80:20 is a traditional mix of fescue and bentgrass designed to deliver a consistent and balanced blend of these species when sowing out new fine-turf areas such as golf and bowling greens.

The fescue part of the mixture is made up of equal portions of slender red creeping fescue and Chewings red fescue seed. The combination of these two sub-species offers the best solution for year-round performance and growth in fescue-dominant turf – Chewings fescues will generally be most active in spring through to mid-summer, whereas slender creepers “kick in” during early summer and perform well through to autumn.

CLASSIC 80:20 contains the top-rated red fescue on the market (*Barlineus*, 20%) and the #2-ranked slender *Viktorka*.

BarKing is the variety of browntop bentgrass in the mixture. It is an excellent European-bred cultivar with superior wear tolerance and winter colour. It also possesses very good tolerance to *Microdochium* Patch disease (*Fusarium*).

Barenbrug recently published results of an extensive four-year trial assessed independently by the STRI, which highlighted the benefits of sowing newly constructed golf greens with a high quality 80:20 mixture of fescue and browntop bentgrass. The mix is adaptable to a variety of maintenance regimes and is very effective at limiting *Poa annua* ingress.

A copy of this booklet can be found via www.barenbrug.co.uk.

IN THE BAG

20%	VIKTORKA Slender creeping red fescue
20%	BARCROWN Slender creeping red fescue
20%	BARLINEUS Chewings red fescue
20%	BODEGA Chewings red fescue
20%	BARKING Browntop bentgrass

Sowing rate:	20-30g per m ²
Overseeding rate:	10-20g per m ²
Sowing depth:	Rootzone contact
Mowing height:	Down to 4mm
Pack size:	20kg

Discover our CLASSIC 80:20 Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk



Platinum Fine Turf

Golf greens, tees, fairways, bowling greens

Usage

Overseeding and/or **construction** of fine turf with moderate wear; golf and bowling greens; tees and fairways

Key points

- *Barolympic* #1 Table G4 8.6
- *Barlineus* #1 Table G2 8.2

Species Formulation

40% slender creeping red fescue
30% perennial ryegrass
30% Chewings red fescue

PLATINUM FINE TURF is a mixture of perennial ryegrass and red fescue, designed for the construction or overseeding of fine turf under moderate wear pressure.

The “driver” of the mixture is 30% *Barolympic* perennial ryegrass. *Barolympic* is the stand-out cultivar ryegrass for summer sports use. It is ranked #1 with a score of 8.6 in Table G4 of BSPB TGS 2019, the highest Mean score in the entire publication, and more than a full point clear of its nearest rival in G4! See Table 1.

In addition to its outstanding Mean score, *Barolympic* is ranked #1 for pale colour and #2 for fineness of leaf in Table G4. This makes it exceptionally easy to blend in with other grass species, such as red fescue or annual meadowgrass.

The red fescue cultivars in the mix are outstanding performers, including #1-rated *Barlineus* and #2-rated *Viktorka*.

CULTIVAR	Shoot Density	Visual Merit	Mean	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness
<i>BAROLYMPIC</i>	8.5	8.7	8.6	8.2	6.9	4.0	4.1
<i>Clementine</i>	7.6	7.5	7.6	6.7	6.3	5.8	5.7
<i>Cabrio</i>	7.3	7.5	7.4	8.2	4.9	5.5	6.1
<i>BARSIGNUM</i>	7.2	7.1	7.1	7.0	6.4	6.1	7.1
<i>Monroe</i>	6.7	7.1	6.9	7.0	6.2	6.5	6.8
<i>Dickens 1</i>	6.4	7.0	6.9	6.4	6.3	5.6	5.2
<i>BARGOLD</i>	6.3	6.9	6.8	7.1	5.8	6.5	6.1

Table 1 Top scoring /ranking perennial ryegrass cultivars in BSPB Turfgrass Seed 2019 Table G4.

Discover our **PLATINUM FINE TURF** Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk

IN THE BAG

40%	VIKTORKA Slender creeping red fescue
30%	BAROLYMPIC Perennial ryegrass
20%	BARLINEUS Chewings red fescue
10%	MUSICA Chewings red fescue

Sowing rate:	25-35g per m ²
Overseeding rate:	15-25g per m ²
Sowing depth:	8-12mm
	below thatch
Mowing height:	Down to 4mm
Pack size:	20kg



Medal

Golf greens, tees, fairways, bowling greens

Usage

Overseeding, divotting and/or construction of medium-fine and fine turf with high wear; golf and bowling greens; tees and fairways

Key points

- *Barolympic* #1 Table G4 8.6!
- *Barsignum* #2 Visual Merit Table L1; ranked #5 on L1 and #4 G4

Species Formulation

60% perennial ryegrass
40% slender creeping red fescue

MEDAL is a mixture of perennial ryegrass and red fescue, designed for the construction or overseeding of medium-fine and fine turf under high wear pressure.

The main components of the mixture are the ryegrasses; *Barolympic* and *Barsignum*. *Barolympic* is the stand-out cultivar ryegrass for summer sports use. It is ranked #1 with a score of 8.6 in Table G4 of BSPB TGS 2019, the highest Mean score in the entire publication, and more than a full point clear of its nearest rival in G4! See Table 1.

Barsignum is an outstanding ryegrass in its own right, ranked #5 in Tables L1 and #4 in G4.

Viktorka is an excellent performer, ranked #2 for close-mown trials in TGS 2019. It also exhibits exceptional red thread tolerance.

CULTIVAR	Shoot Density	Visual Merit	Mean	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness
<i>BAROLYMPIC</i>	8.5	8.7	8.6	8.2	6.9	4.0	4.1
<i>Clementine</i>	7.6	7.5	7.6	6.7	6.3	5.8	5.7
<i>Cabrio</i>	7.3	7.5	7.4	8.2	4.9	5.5	6.1
<i>BARSIGNUM</i>	7.2	7.1	7.1	7.0	6.4	6.1	7.1
<i>Monroe</i>	6.7	7.1	6.9	7.0	6.2	6.5	6.8
<i>Dickens 1</i>	6.4	7.0	6.9	6.4	6.3	5.6	5.2
<i>BARGOLD</i>	6.3	6.9	6.8	7.1	5.8	6.5	6.1

Table 1 Top scoring /ranking perennial ryegrass cultivars in BSPB Turfgrass Seed 2019 Table G4.

IN THE BAG

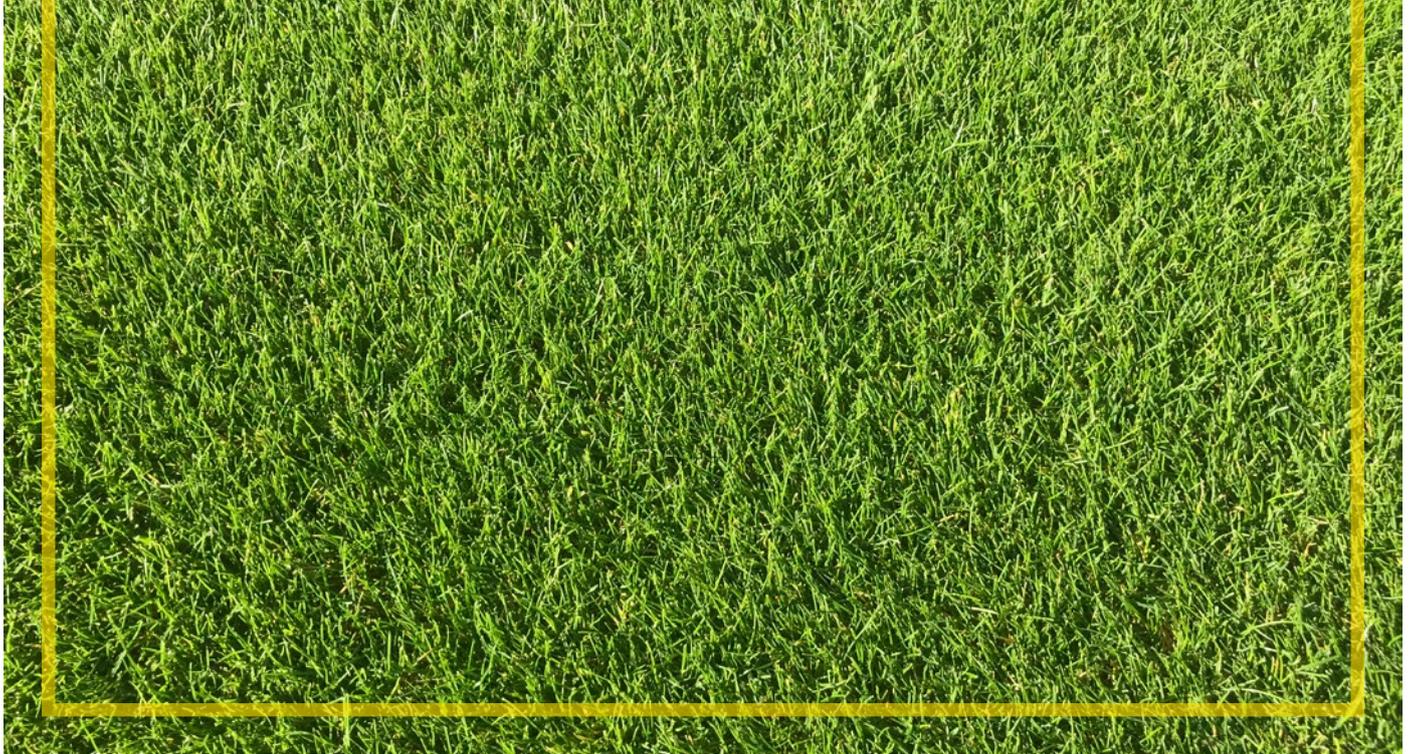
40% **VIKTORKA**
Slender creeping red fescue

30% **BAROLYMPIC**
Perennial ryegrass

30% **BARSIGNUM**
Perennial ryegrass

Sowing rate: 25-35g per m²
Overseeding rate: 15-25g per m²
Sowing depth: 8-12mm
below thatch
Mowing height: Down to 4mm
Pack size: 20kg

Discover our MEDAL Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk



Ultrafine

Greens, surrounds, walk-offs

Usage

Overseeding and/or **construction** of fine turf with intense wear; greens, surrounds, tennis courts

Key points

- *Barolympic* #1 Table G4 8.6
- *Barsignum* #4 Table G4
- *Eventus* #3 FoL L1
- Excellent recovery and fast growth

Species Formulation

100% perennial ryegrass

ULTRAFINE is a blend of perennial ryegrasses for use in areas of fine turf that demand tolerance to close-mowing and high wear with exceptional fineness of leaf. Golf green surrounds, walk-offs and tennis courts are perfect examples of where this grass seed mix comes into its own.

Barolympic is the stand-out cultivar ryegrass for summer sports use. It is ranked #1 with a score of 8.6 in Table G4 of BSPB TGS 2019, the highest Mean score in the entire publication, and more than a full point clear of its nearest rival in G4! See Table 1 on previous page.

In addition to its outstanding Mean scores, *Barolympic* is ranked #1 for pale colour and #2 for fineness of leaf in Tables L1 and G4. This makes it exceptionally easy to blend in with other grass species, such as red fescue or annual meadowgrass.

Eventus is a new cultivar to the Barenbrug Sport range, with some very desirable traits. It is ranked #2 and #3 for fineness of leaf in Tables G4, and shows very fast recovery and growth rates (ranked #1 in the top 40, Table L1) for a summer sports ryegrass. This enables quick germination, establishment and mid-season repair in areas of high traffic.

Barsignum is another outstanding ryegrass in its own right, ranked #5 in Table L1 and #4 in G4.

IN THE BAG

50%	BAROLYMPIC Perennial ryegrass
30%	BARSIGNUM Perennial ryegrass
20%	EVENTUS Perennial ryegrass

Sowing rate:	25-50g per m ²
Overseeding rate:	20-30g per m ²
Sowing depth:	10-15mm below thatch
Mowing height:	Down to 5mm
Pack size:	20kg

Discover our **ULTRAFINE** Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk



Extreme Tees, fairways

Usage

Overseeding, divotting and/or **construction** of medium-fine turf with intense wear; tees, fairways, cricket squares and outfields

Key points

- Fineness of leaf *Eventus* #3; *Barsignum* #5; *Bargold* #6
- Wear tolerance *Barcristalla* and *Eventus*

Species Formulation

100% perennial ryegrass

EXTREME is a blend of perennial ryegrasses for use in areas of medium-fine turf that demand tolerance to close-mowing and high wear with exceptional fineness of leaf. Golf tees, fairways, high-traffic lawns and tennis courts are perfect examples of where this grass seed mix is at home.

All four cultivars bring advantages and different characteristics to the mix. *Eventus* is ranked #2 and #4 for Fineness of Leaf in BSPB Turfgrass Seed Tables S1 and L1, respectively, and shows very fast recovery and growth rates (ranked #1 in the top 40, Table L1) for a summer sports ryegrass. This enables quick germination, establishment and mid-season repair in areas of high traffic.

Barsignum is an outstanding summer sports ryegrass, ranked #5 in Table L1 and #4 in G4.

Barcristalla is a medium-fine ryegrass with excellent wear tolerance and superior colour. It is ranked #6 for wear tolerance (Table S1) and #1 of any grass in the top 60 for dark genetic colour.

Old favourite *Bargold* remains an excellent cultivar, still ranked in the top six for leaf fineness in Table L1.

IN THE BAG

35%	BARCRISTALLA Perennial ryegrass
25%	BARGOLD Perennial ryegrass
25%	EVENTUS Perennial ryegrass
15%	BARSIGNUM Perennial ryegrass

Sowing rate:	25-50g per m ²
Overseeding rate:	20-30g per m ²
Sowing depth:	10-15mm below thatch
Mowing height:	
Golf	Down to 5mm
Cricket	Down to 2mm
Pack size:	20kg

Discover our **EXTREME** Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk



RPR Golf

Tees, fairways, walkways

Usage

Overseeding, divotting and/or **construction** of golf turf with intense wear; tees, fairways, walkways.

Key points

- *Barlibro* RPR delivers fast establishment and unparalleled capacity for recovery from wear due to stoloniferous growth habit.
- *Eurocordus* #3 S1 wear tolerance
- *Barsignum* #5 Mean in L1; #3 for Visual Merit

Species Formulation

100% perennial ryegrass

RPR GOLF is a blend of perennial ryegrasses for use in areas of intensive golf traffic, delivering turf with exceptional wear tolerance, fast recovery and good aesthetics.

Barlibro is a Regenerating Perennial Ryegrass (RPR) that produces stolons as it establishes and grows. Figure 1 shows a *Barlibro* plant grown for a single seed at 15 months old. The stolons and new secondary branches of growth can be seen clearly. The lateral growth habit results in fast establishment between seeding lines and unparalleled capacity for recovery after and during wear.

Eurocordus is a medium-fine ryegrass with outstanding tolerance to wear. It is ranked #3 for sports wear in Table S1, Turfgrass Seed 2019.

Barsignum is an outstanding summer sports ryegrass, ranked #5 for Mean score and #3 for Visual Merit in Table L1.

IN THE BAG

35%	BARLIBRO Regenerating perennial ryegrass
35%	EUROCORDUS Perennial ryegrass
30%	BARSIGNUM Perennial ryegrass

Sowing rate:	25-50g per m ²
Overseeding rate:	20-30g per m ²
Sowing depth:	10-15mm below thatch
Mowing height:	Down to 10mm
Pack size:	20kg



Figure 1 Photographs of a 15-month old *Barlibro* plant grown from a single seed.

Discover our RPR GOLF Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk



Fairway Rye

Tees, fairways, semi-roughs

Usage

Overseeding, divotting and/or construction of medium-fine turf with moderate wear

Key points

- *Barcristalla* strong all-rounder with good colour and wear tolerance
- *Barpearl* high Red thread tolerance

Species Formulation

40% perennial ryegrass
 35% strong creeping red fescue
 15% slender creeping red fescue
 10% Chewings red fescue

FAIRWAY RYE is a mixture of four grass species and sub-species, designed for the overseeding, divotting or construction of a balanced blend of medium-fine turf across a range of soil types.

The "driver" of the mixture is 40% *Barcristalla* perennial ryegrass. *Barcristalla* is a medium-fine ryegrass with excellent wear tolerance and superior colour. It is well ranked on both S1 and L1 BSPB/STRI tables.

The red fescue cultivars in the mix are all consistent performers, and are all ranked highly in the BSPB Turfgrass Seed booklet. Of particular note is the outstanding red thread tolerance of *Barpearl*, an important factor in fairways under low nutrition.

IN THE BAG

40%	BARCRISTALLA Perennial ryegrass
35%	SERGEI Strong creeping red fescue
15%	BARPEARL Slender creeping red fescue
10%	MUSICA Chewings red fescue

Sowing rate:	25-35g per m ²
Overseeding rate:	10-25g per m ²
Sowing depth:	5-10mm below thatch
Mowing height:	Down to 10mm
Pack size:	20kg

Discover our **FAIRWAY RYE** Factsheet to find out more about how and why this mixture works so well. Visit www.barenbrug.co.uk

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Conditions of sale

In case of unavailability Barenbrug UK Limited reserves the right to substitute any variety in any mixture with one of similar merit.

Any change will be detailed on the bag.

The placing of an order constitutes an acceptance of our terms and conditions of sale by the buyer.

Full terms and conditions can be found at www.barenbrug.co.uk.

 **BARENBRUG**

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