

SGT Fairway

Golf tees and fairways, under sustainable management



Usage

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

Key points

- *Barprrium* nitrogen-use efficiency
- Drought tolerance of *Barjessica* and *Hardtop*
- High Red Thread disease tolerance
- High turf colour retention under low input maintenance

Species Formulation

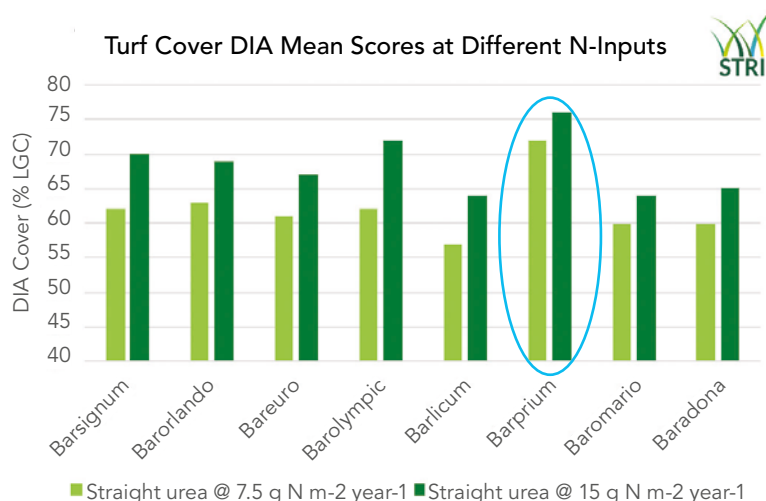
- 30% perennial ryegrass
- 30% strong creeping red fescue
- 20% slender creeping red fescue
- 20% hard fescue



SGT FAIRWAY is a new 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.

SGT stands for "Sustainable Grass Technology" – Barenbrug's research-driven concept designed to deliver outstanding turf performance in high stress conditions with reduced fertiliser, chemical and water inputs.

The "driver" of the mixture is 30% *Barprrium* perennial ryegrass. *Barprrium* is an outstanding fine-leaved ryegrass with proven capacity for nitrogen-use efficiency. Put simply, it requires far less nitrogen (up to 50% less) to deliver equivalent turf performance. Figure 1 shows the results of an independent 18-month trial with STRI.



IN THE BAG

30% **BARPRIUM**
Perennial ryegrass

20% **HARDTOP**
Hard fescue

30% **BARJESSICA**
Strong creeping red fescue

20% **BARCROWN**
Slender creeping red fescue

Sowing rate: 25-35g per m²

Overseeding rate: 10-25g per m²

Sowing depth: 5-10mm

below thatch

Mowing height: Down to 10mm

Pack size: 20kg

Figure 1 STRI N-Efficiency Trial data. *Barprrium* gives equivalent mean turf cover to all other cultivars over 18-month trial at 50% less nitrogen input.

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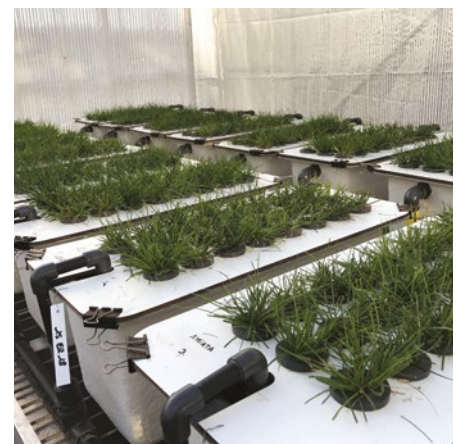
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STRI researchers concluded in their trial report: "The best performing cultivar in this trial was *Barprimum*, with good turf quality and coverage observed at all N levels and N types. Even at very low levels of N, *Barprimum* still showed good quality and coverage. Conversely at high levels of N, *Barprimum* did not promote excessive vertical growth."

"When *Barprimum* fertilised at 7.5gN/m²/year was compared to all other cultivars at 15gN/m²/year, the turf quality and coverage of *Barprimum* was greater than all other cultivars, despite having received 50% less N."

Barprimum is highly ranked in the BSPB/STRI Turfgrass Seed 2020 booklet with a score of 7.9 on Table L1 and exhibits strong summer colour and very high Red Thread tolerance – both useful characteristics for low-input golf fairways.

The fine fescue cultivars in the mix are chosen for their sustainable performance characteristics also. In trials at Landlab in Italy, *Hardtop* hard fescue and *Barjessica* strong creeping red fescue perform particularly well in periods of heat and drought. Figure 2 shows data from the harsh summer of 2018, in comparison with other fine fescue cultivars. The turf quality of hard fescue stood alone during the most intense heat and the recovery capacity of *Barjessica* was exceptional.



Performance of fine fescue varieties over 9 month period at Landlab Research, Vicenza, Italy (hot and dry summer 2018)

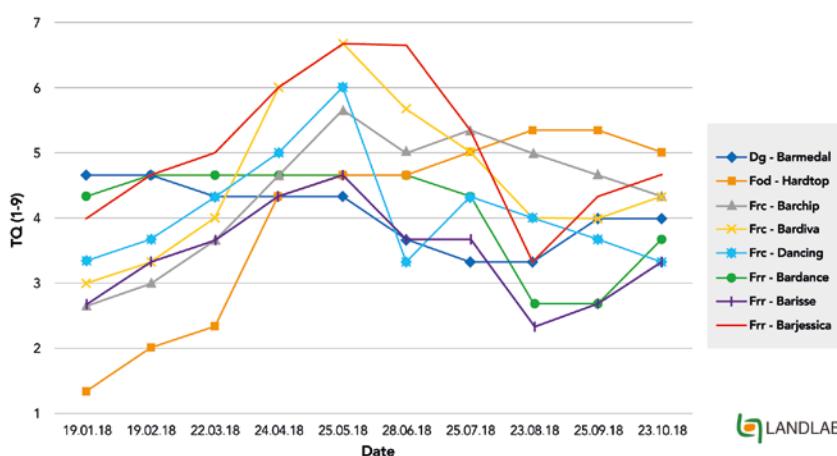


Figure 2 Graph to show fluctuations in fine fescue performance (NTEP Turf Quality (TQ) assessments) over 9-month period during (hot and dry) 2018 in Landlab, Italy. Note the superior scores of *Hardtop* hard fescue and *Barjessica* strong creeping red fescue.

In addition to drought tolerance, the fine fescue components all exhibit superior colour and excellent disease tolerance. *Barcrown* is #1-ranked and *Barjessica* #3 in their respective lists for Red Thread and *Hardtop* is ranked #1 for Winter Colour.

For sustainable medium-fine turf, SGT Fairway represents a thoroughly researched product, offering benefits in terms of low-nitrogen input performance, drought and disease tolerance, and superior grass colour.