



Sportsfield Amenity Turf Guide

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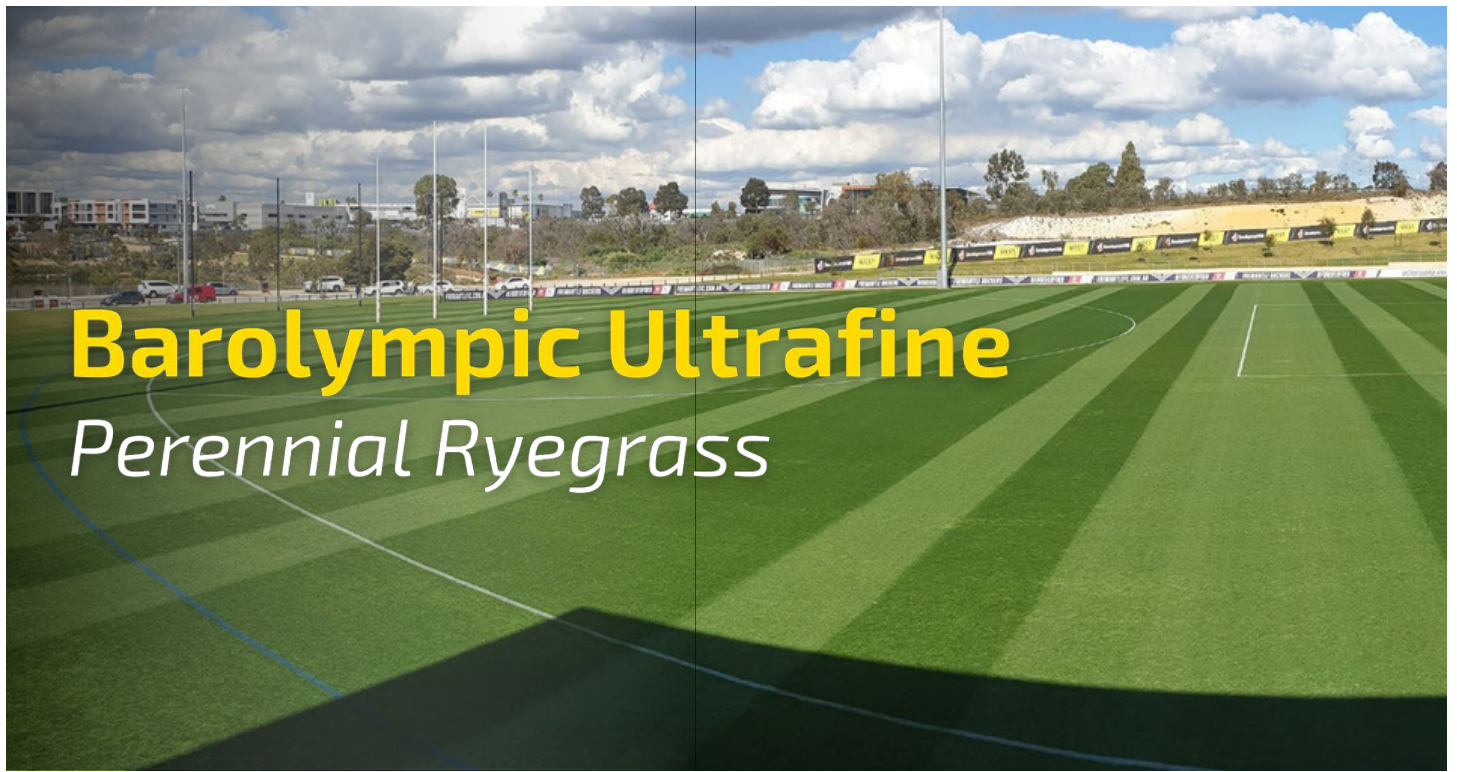
"At Mid-Western Council we have a challenging winter climate. For the last 5 years I have used Nuturf/Barenbrug Striker Range to oversow our stadium and the results have been great!

Our stadium has around 130 games played a season plus training and the seed has held up perfectly, providing a uniform surface all season long.

The thing that stands out to me is the colour and density maintained through all the traffic and cold temperatures.

I have been extremely happy with the results as it meets the elite surface requirements we need to maintain at Mid-Western Regional Council."

Josh Martin
Sportsfields Team Leader
Mid-Western Regional Council



Barolympic Ultrafine Perennial Ryegrass

Barolympic sets a new standard for fine, dense turf that demands tolerance to close-mowing and high wear. It is an ultrafine perennial ryegrass that offers superior performance for sportsfields.

In addition to its outstanding mean scores, Barolympic offers exceptional fineness of leaf and shows very fast recovery and growth rates. This enables quick germination, establishment and mid-season repair in areas of high traffic. Barolympic is a perfect all-rounder for all areas of ryegrass usage.

In Victoria, Barolympic was the number 1 grass out of 29 varieties assessed by John Neylan. Barolympic was the best variety for germination and seedling vigour, and statistically the best variety for winter growth and density.

In an independent Queensland trial conducted by Matt Roche of Australian Sports Turf Consultants (ASTC), Barolympic was the best performer in early germination and density where relative humidity levels were 81.4%. Barolympic was also rated the best overall performer in terms of quality at the completion of the 18-week trial. At this point in time mean daily temperature was 17.4°C and the maximum temperature was 30°C.

Barolympic and a mix of Barolympic/Premier 3 excelled in the whole trial. A Barolympic/Premier 3 mix was the #1 performer in ryegrass coverage percentage oversown into Wintergreen couch (*Cynodon dactylon*).

Barolympic is the stand-out cultivar of ryegrass for summer sports use in the United Kingdom. It is ranked #1 in UK trials with a score of 8.6 in Table G4 (Close mown 4-7 mm) of BSPB Turfgrass Seed 2018, the highest mean score in the entire publication, and more than a full point clear of its nearest rival in G4!

Key applications

Barolympic is a new standard for sports-type perennial suitable for:

- Oversowing warm season couch grass or kikuyu fields
- Pure ryegrass fields
- Football/soccer/rugby and school fields in Australia and NZ
- Golf green surrounds
- Golf tees and walk offs are all perfect examples of where this grass seed mix comes into its own

Key features

- Superb fast germination (faster than Mediterranean)
- Proven winter growth and wear tolerance
- Handles both northern and southern climates
- New standard for shoot fineness
Mid-light green colour
- Fast shoot recovery after damage



Added value traits

Barolympic has it all - fast germination, establishment, winter growth and exceptional density. This allows you to get back on your turf faster while handling wear during winter, and hiding and fighting poa.

Without growth rating (top 10 of 29 varieties)

Perennial Ryegrass Cultivar	Ranking
Barolympic	51
Premier 3	49
Striker Gold	49
BAR LP7609	46
BAR LP 6164	43
Derby X	43
LP6131	43
Premier II	43
Rohan SPR	43
BAR LP (S) 6165	42

With growth rating (top 10 of 29 varieties)

Perennial Ryegrass Cultivar	Ranking
Barolympic	61
BAR LP7609	53
BAR LP (S) 6165	52
Premier 3	52
Striker Gold	52
Mediterranean (C)	49
BAR LP 6164	48
LP6131	48
Premier II	48
Rohan SPR	48

Note: The data has been ranked both including and excluding the growth data. This has been done due to some of the varieties having good vertical growth but may lack turf density and overall turf quality.



Barorlando

Perennial Ryegrass

Key features

- Superb wear tolerance (no. 1 STRI)
- Outstanding shoot density
- Medium dark-green colour with beautiful leaf texture

Key benefits

- Excellent disease resistance (fusarium, red thread, rust)
- Fast shoot recovery after damage

Added value trait

Barorlando's speed in establishment and outstanding wear tolerance along with low endophyte makes it an exceptional choice for high wear couch grass or kikuyu based sportsfields looking for longer hours of use.

Barorlando is a new nil endophyte Barenbrug perennial ryegrass for sportsfields. This medium fine-leaved perennial variety has excellent live ground cover and shoot recovery after artificial wear application.

Barorlando has been extensively tested in trials at STRI (Sport Turf Research Institute) in Bingley (UK). In 2013 it had the number 1 position for Lolium perenne sports trials in Victoria. This highlighted Barorlando's fast germination, aiding in providing oversowing coverage for quick return to sport. With fast germination and proven wear tolerance, Barorlando will guarantee a beautifully dense, wear tolerant turf.

Applications

Barorlando is a sports-type perennial suitable for:

- Oversowing warm season couch grass/kikuyu fields
- Football/soccer and rugby pitches throughout Australia and NZ
- Oversowing turf farm winter dormant warm species
- Golf tees and fairways

Variety management

Barorlando is well suited to all temperate and sub-tropical states of Australia. This variety performs best on well drained, fertile, soils and is suitable for over sowing couch grass/kikuyu providing good seed to soil contact. This strong performing ryegrass makes it suitable for long term turf surfaces and summer cricket events with irrigation.

Suggested sowing rates

New field: 400–500 kg/ha

Oversowing couch grass: 250–500 kg/ha



Table S1 - Perennial Ryegrass

Cultivar	Live ground cover (Post wear)	Visual merit	Mean	Shoot density	Fineness of leaf
Barorlando	8.6	8.5	8.5	8.5	7.7
Eurodiamond	8.2	8.0	8.1	8.0	6.6
Monroe (LA)	8.0	8.2	8.1	8.2	8.6
Barcristalla (LA)	8.1	8.0	8.1	7.9	7.6
Columbine	8.1	8.0	8.1	7.6	6.8
Madrid	7.8	7.9	7.9	7.8	6.8
Eugenius	7.8	7.8	7.8	7.9	7.3
Milan	7.5	7.9	7.7	7.9	7.5
Cyrena	7.6	7.7	7.7	7.7	6.9
Chardin	7.5	7.7	7.6	7.7	8.2
Poseidon	7.8	7.5	7.6	7.5	6.5
Shorty	7.5	7.6	7.5	7.1	7.2
Duparc (LA)	7.4	7.7	7.5	7.2	7.3
Promotor (LA)	7.5	7.5	7.5	7.4	7.3
Cadix	7.1	7.6	7.4	7.1	7.3
Vesuvius	7.1	7.5	7.3	7.4	6.6
Bizet 1	7.2	7.4	7.3	6.0	6.1
Berlioz 1	7.3	7.4	7.3	7.3	6.4
Bareuro	7.3	7.3	7.3	6.9	6.7
Carnac	7.0	7.4	7.2	6.7	6.7
Himalaya	7.2	7.1	7.2	7.0	6.4
Ligala	6.9	7.4	7.1	7.0	7.6
Melbourne	7.0	7.2	7.1	7.6	7.4

Live ground cover

The live ground cover is regarded as more important than shoot density in winter sports turf. The ground cover of the sown species is recorded monthly during the application of artificial football wear, to determine wear tolerance.

STRI Table 1, Sports Series data 25mm 2013 (92 varieties entered into trial) (Note: high clip rates = less wear)



RPR - Regenerating Perennial Ryegrass is the first perennial ryegrass having the specific characteristic of spreading horizontally via determinate stolons #Strong as Iron. This characteristic makes RPR many times stronger than other types of perennial ryegrass, while also growing at the same rate. This results in a regenerating perennial ryegrass with the highest wear tolerance, perfect for use on sporting grounds.

Added value trait

RPR's outstanding wear tolerance and high endophyte allow your fields to knit together for longer hours of use, saving you worn out areas and reseeding costs.

Determinate stolons

RPR spreads horizontally by creating a natural network of determinate stolons that form a kind of netting in the sward, making for the best possible wear tolerance. Instead of individual grass plants, as in the case of traditional perennial ryegrass, each RPR grass plant is linked to both plants, and the soil. There is much less risk in the grass being torn up or damaged, given it is held in place by all sides. Even during the most intensive use, the dense sward will remain intact for longer, ensuring a pristine playing surface. So however intensive the circumstances of a football match or golf tournament may be, the dense sward will remain intact for longer.

"There are some things you just have to see for yourself to believe them. Stoloniferous perennial ryegrass was a good example of something like that, but now that I've seen RPR I really am a believer."

Andy Newell
Head of Turfgrass Biology,
STRI

Key features

- Highest wear tolerance!
- Revolutionary perennial ryegrass with stolons!
- Extremely strong and fast turf
- Very high capacity for self-repair in spring
- Medium dark-green colour with beautiful leaf texture
- High endophyte providing excellent disease and insect resistance

Key benefits

- RPR Strong as Iron allows for heavy wear tolerance and longer hours of use
- Ideally suited for cricket wickets and golf tees with recovery post games
- Makes your field look and play better
- Less overseeding costs and worn out areas



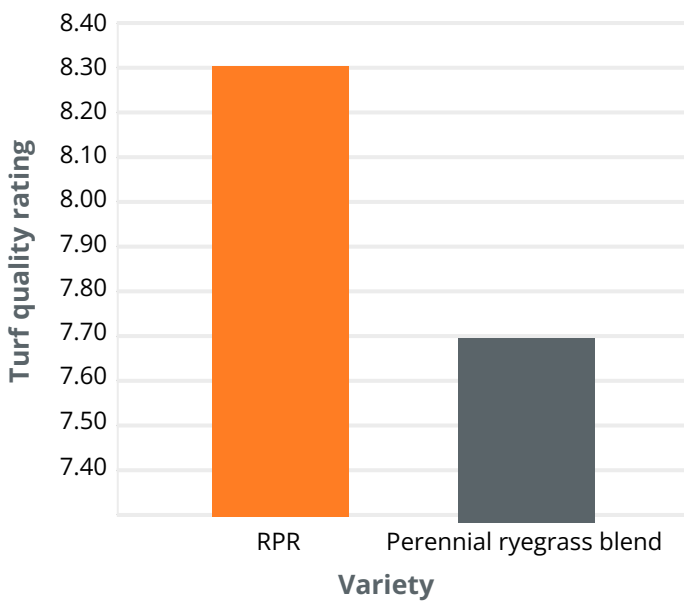
Blundstone Stadium Tasmania

Application

- Overseeding warm season couch grass fields
- Cricket wickets
- Football/soccer and rugby pitches in Australia and NZ
- Golf tees, fairways and surrounds
- Landscaping and home lawns

Performance

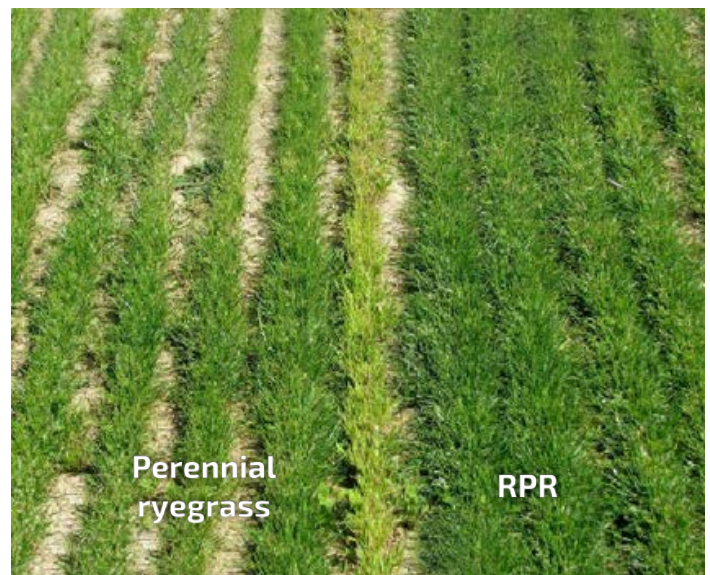
Intense traffic tolerance



The graph above shows the average of the two RPR varieties compared to a perennial ryegrass blend after three days of intense traffic. Recorded in September 2008. Data from The Ohio State University, P.J. Sherratt, John R. Street and A. Drake.



Natural wear trial from Tasmania against a Mediterranean ryegrass



RPR sown in rows to demonstrate its creeping recovery when compared with standard perennial ryegrass



Premier 3

Perennial Ryegrass

Added value trait

Premier 3's fast establishment and complete performance allows you to develop your stand quicker with the reassurance it will perform throughout the whole season.

"Premier 3 ryegrass was amongst the best varieties for germination and seedling vigour and has been consistently amongst the top performers for turf quality and density."

"Premier 3 ryegrass has also been statistically amongst the best ryegrass cultivars for both winter and summer turf quality and density."

John Neylan
Turfgrass Consulting and
Research

Premier 3 is a third generation of the long standing Australian favourite, Premier II ryegrass.

Trialled in Australia, Premier 3 has proven excellent turf performance in independent trials conducted by John Neylan. Premier 3 was #2 performer on combined turf performance statistics, and an improvement over the original Premier II. This variety has high endophyte, deep green colour, very dense tillering and strong disease tolerance.

It is highly recommended for all highend sports use throughout Australia and New Zealand.

Key features

- Big brother to Premier II
- #2 performer in independent trials (29 grasses including Mediterranean)
- Top germination speed
- Strong perennial growth habit
- Leading turf visual quality (#2 ranking for all turf quality)
- Dense continental characteristics leading to wear tolerance
- Well suited to couch or kikuyu oversowing
- Excellent disease and heat tolerance

Key benefits

- Proven wear tolerance
- Attractive deep, green colour
- Strong disease resistance
- Fast establishment

Striker sportsfield ryegrasses



Striker Platinum *Ryegrass blend*

Striker Platinum is an ultrafine perennial ryegrass blend that sets a new standard in superior performance for sportsfields. A mix of two of Barenbrug's finest – Barolympic and Premier 3, Striker Platinum has fast germination and produces a very fine, dense turf for close-mowing and high wear situations.

Sowing rate:
3-5kg/100m²



Striker Regenerator *Ryegrass blend*

Premium sports surfaces for wear tolerance

Striker Regenerator has been designed to give end users 'the best of both worlds'. Using revolutionary mobile technology, it has superior wear tolerance and regeneration compared to other grasses thanks to the unique pseudo-stolons of Regenerating Perennial Ryegrass (RPR). Combined with Premier 3 ryegrass, this blend has exceptionally high turf quality as experienced on Blundstone Arena in Tasmania.

Sowing rate:
3-5kg/100m²



Striker Gold

Ryegrass blend

Premium sports surfaces

An elite blend of ryegrasses containing three of the best continental varieties - Premier 3, Pinnacle III and Barorlando ryegrass. The Continental ryegrasses in this mix are backed up by independent trials conducted by John Neylan. Striker Gold is Australia's #1 sports ground ryegrass blend. It is a significant improvement over previous commercial varieties of turf type perennial ryegrass and Mediterranean genetics.

Sowing rate:
3-5kg/100m²



Striker Van Diemen

Ryegrass blend

Sportsfields

Striker Van Diemen is a blend specifically designed from independent trial work conducted in Tasmania. Striker Van Diemen is a blend of Barorlando, RPR and Premier 3.

These varieties were trialled by West Tamar Council on a soccer ground over a full winter where they successfully held up to wear and tear during a cold wet winter.

Sowing rate:
3-5kg/100m²



Striker Sportsground

(Previously known as Striker GP2000)

Ryegrass blend

Sportsground is a blend of perennial ryegrass designed for sportsfields, parks and gardens where ease of establishment is required. Sportsground includes the revolutionary Rohan SPR ryegrass and produces a hardwearing turf with excellent germination and winter vigour.

Sowing rate:
3-5kg/100m²



Striker SOS

Ryegrass blend

Sportsfields and tees

Striker SOS (Super Over Seeder) is a unique blend that contains Panterra turf annual ryegrass and Barenbrug's leading turf perennial ryegrasses - Pinnacle III, Premier 3 and Barorlando. Striker SOS will provide an extremely fast germinating, quality dense turf with good wear tolerance and vigour during the winter period.

Sowing rate:
3-5kg/100m²

What those in the industry say



Penrith Panthers – NSW

We have multiple fields from our main stadium to our Panthers Academy fields that we oversee each year using the Barenbrug Striker ryegrasses. I've been impressed every season with the quality of surface this produces. We see outstanding presentation for televised games and a perfect playing surfaces for elite rugby league. We have a slightly colder climate through mid winter than some other venues but the rye remains resilient and strong. Here at Panthers we have been using Barenbrug seed for 20+ years and we continue to be impressed with the quality and consistency of product we get.

Luke Scerri

Panthers Stadium Grounds Manager

Albury Sportsground – NSW

I have been using the Barenbrug/Nuturf Striker Gold seed blend for 5 seasons and it continues to prove itself a perfect blend for my field. Striker Gold is a resilient blend handling the wear from the hectic training and gameday schedules very well whilst maintaining a high-quality presentation with its uniform colour and is frost hardiness which is important in our challenging winter climate. Feedback from the Albury Tigers players is they love to train and play on the surface which further validates our choice and confidence in this seed. We also value the independent trials Barenbrug puts its rye grasses through as it gives us great confidence when selecting and purchasing seed each year.

Troy Shepherd

*Grounds Facility Manager
Albury Showground*





Suncorp Stadium – QLD

I have been using Nuturf/Barenbrug seed for many years as a Grounds Manager at multiple elite sports venues. In prior venues with challenging schedules and intense usage, I have needed rye grasses that performed consistently with good durability in the South East Queensland climate. Premier 3 seed became my go-to choice for its fast germination, great colour, excellent disease resistance and the quality winter surface it produces.

In my current role as Grounds Manager at Suncorp Stadium, I continue to need high quality, reliable rye grass options for the multiple sporting codes we cater for. When preparing our surfaces for the 2023 Women's World Cup matches, we once again looked to Nuturf/Barenbrug seeds to meet FIFA's very high standards. My strong history with Premier 3 encouraged me to look at Striker Platinum as a further step up in the surface quality – and it proved absolutely outstanding.

Matt Oliver
Grounds Manager
Suncorp Stadium

Green By Nature – WA

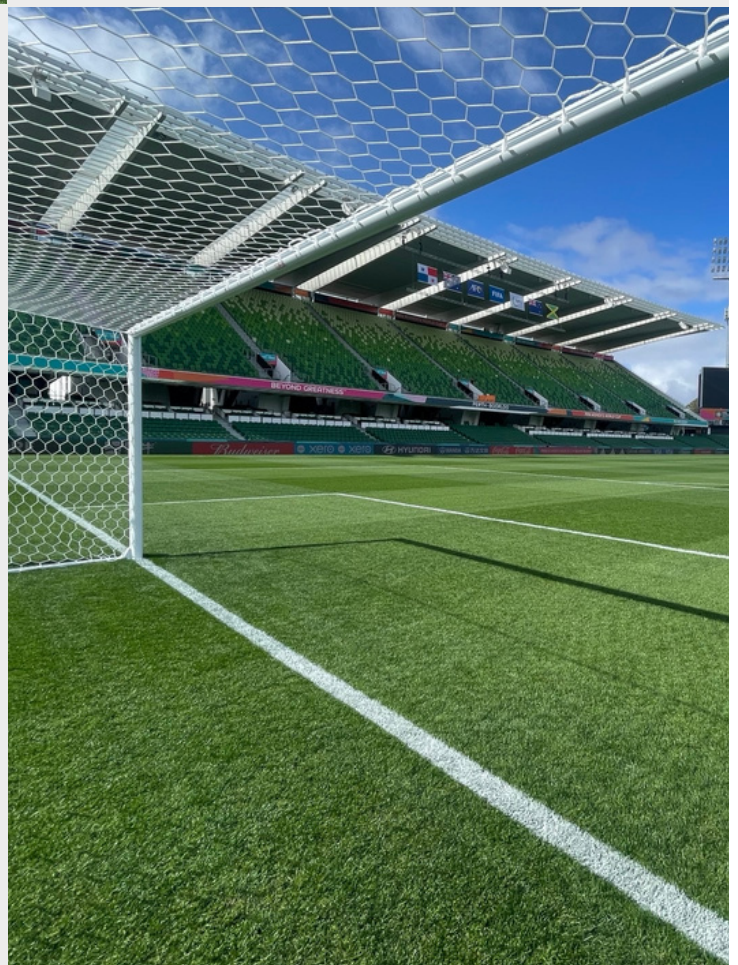
This year, Green By Nature used Striker Gold ryegrass on numerous high-profile sporting fields around Perth.

Using such a high-quality product gives us confidence that the surfaces will be to a world class standard, have consistently uniform colour and always meet the high standards we require.

Striker Gold ryegrass has fast gemmation, spectacular winter growth, as well as being very resilient. Moving forward, we have confidence using Nuturf and Barenbrug's products.

Green By Nature, partnering with some of the world's biggest sporting entities is focused on creating and maintaining the highest quality surfaces for both the players and the games.

Green by Nature





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