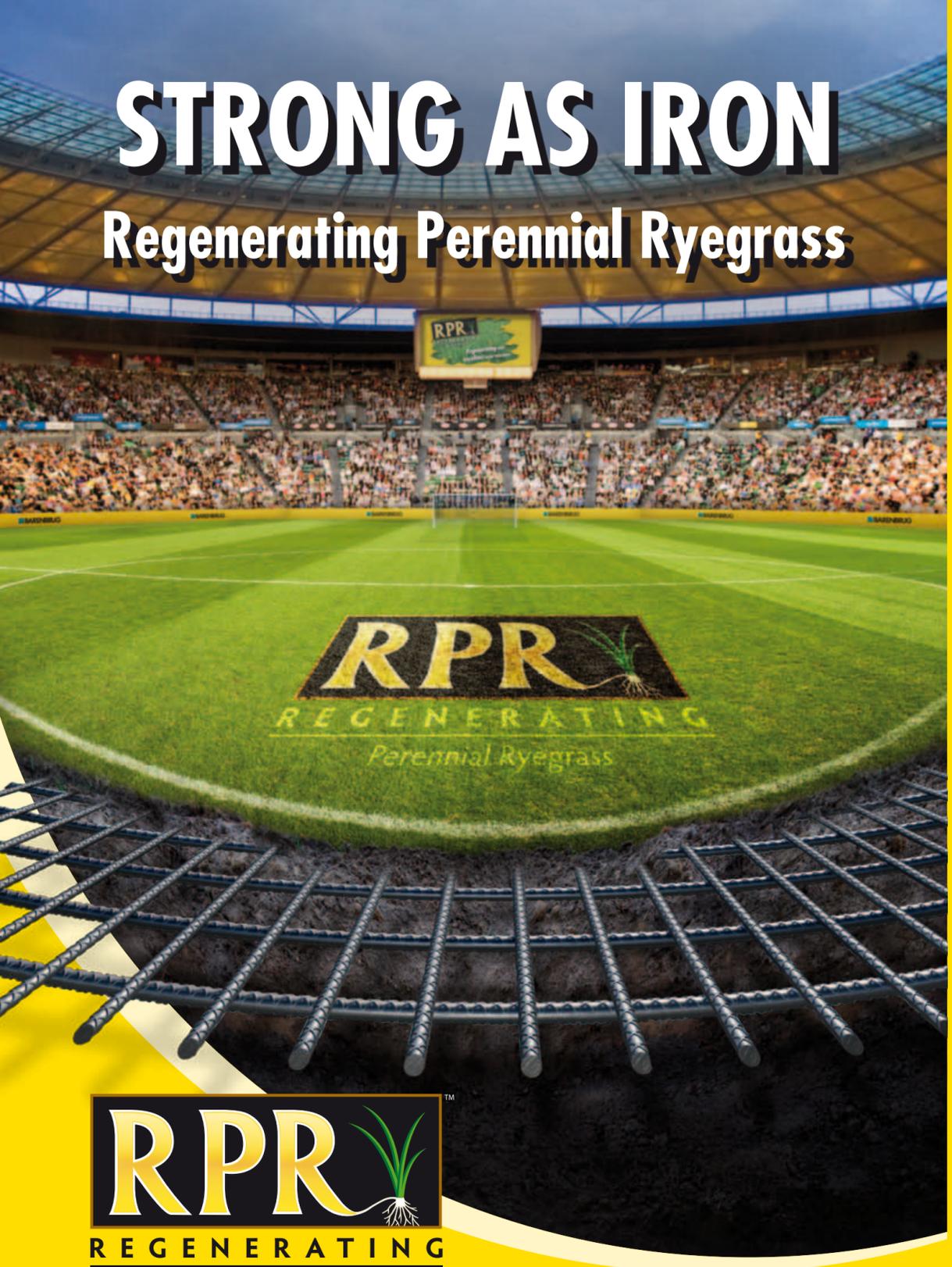


STRONG AS IRON

Regenerating Perennial Ryegrass



BB-112012



STRONG AS IRON

Regenerating Perennial Ryegrass



- RPR is perennial ryegrass with enhanced wear tolerance due to determinate stolons
- RPR is number one in intense wear tolerance
- RPR causes less damage due to regeneration
- RPR gives stronger grass
- RPR allows more playing hours
- RPR has low weed ingress



Barenbrug Holland BV • P.O. Box 1338 • 6501 BH Nijmegen • The Netherlands • Tel.: +31 (0)24 348 81 00 • E-mail: export@barenbrug.nl • www.barenbrug.com

ROYAL BARENBRUG GROUP



Revolutionary technology: regenerating and highest wear tolerance!

RPR is a self-regenerating perennial rye grass building determinate stolons. RPR is the first perennial ryegrass having this particular characteristic. RPR stands up to heavy traffic while keeping its good looks. As a creeping perennial ryegrass, RPR outperforms traditional perennial ryegrass resulting into a regenerating perennial ryegrass with the highest wear tolerance: perfectly suited for sports purposes.



Strong as iron

Determinate stolons, sometimes called "runners," are growth shoots emerging from auxiliary buds at the base of each plant. When an RPR plant gets room when turf is damaged, determinate stolons will grow horizontally into the empty area and develop roots at its internodes. In fact RPR gives a natural network of stolons, like a kind of netting. This gives RPR the highest wear tolerance. Instead of separate plants, like traditional perennial rye grass, each RPR plant connects to other plants and into the top layer of the soil.

Thanks to RPR, its turf will not be easily kicked out of the pitch. RPR has superior wear tolerance compared to any other perennial rye grass. The turf quality also remains high, even under the heaviest wear during a sports match, without unnecessary damage.

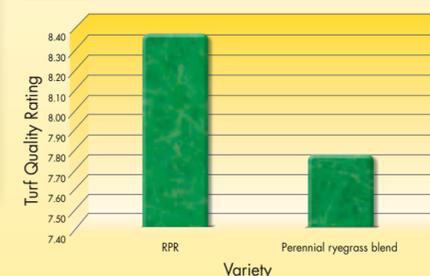


The pictures above show determinate stolons rooting down in RPR.

The best of two worlds

RPR brings strength and speed together in one specie. This has the advantage that all characteristics within the mixture are used at the same time. The grass plants quickly germinate and can be intensively used after the establishment of a dense sward. Traditionally, strong species like smooth stalked meadow grass (*Poa pratensis*) germinate slower than perennial ryegrass (*Lolium perenne*). In order to compensate this in many turf grass mixtures smooth stalked meadow grass is combined with a faster perennial ryegrass. Despite the fast germination and establishment in these mixtures the wear tolerance is insufficient. RPR solves this issue by combining firmness and strength with speed of establishment and regeneration. In other words: the best of two worlds.

INTENSE TRAFFIC TOLERANCE - OHIO STATE UNIVERSITY



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.

Product specifications RPR

Morphological characteristics

Growth habit	perennial with determinate stolons
Growing height	35 mm
Leaf width	similar to traditional perennial ryegrass
Leaf colour	mid-green
Rooting depth	20 - 25 cm
Seeds per gram	700
Disease tolerance	good
Thatch buildup	very low
Speed of establishment	high
Speed of growth	high

Environmental conditions

pH	5,0 - 7,0
Soil type	any
Wear tolerance	excellent
Shade tolerance	good
Germination temperature	from 12 °C (soil temperature)
Speed of establishment	fast

Maintenance conditions

Maintenance requirements	average
Mowing height	from 15 - 40 mm
Mowing frequency	average
Water requirements	average
Nitrogen requirements	average

Seeding

New seeding	20 - 25 g/m ²
Overseeding	15 - 20 g/m ²
Sowing depth	no deeper than 15 mm

Package	15 kg
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RPR is unique!

With the introduction of RPR a new grass specie was reborn. In the United States of America, RPR is officially listed as the specie 'Lolium perenne stoloniferum'. Dr. Lawson in Ireland officially described this specie in 1836. RPR is the first variety within this specie that has been registered in the USA as *Lolium perenne stoloniferum* ever since.



VS.

TRADITIONAL PERENNIAL RYEGRASS



"Some things you have to see with your own eyes to believe them. Creeping perennial ryegrass was one of those things for me - I am now a believer. Combining a creeping growth habit with the inherent capability to establish quickly and tolerate wear has the potential to take this grass species to a new level."

Andy Newell,
Head of Turfgrass Biology, STRI.

"We seeded RPR as a test case on the trainings pitch. If I had known the results before, then I would have used it immediately in the stadium pitch...!"

Theo van Bentum,
Field manager NEC Nijmegen (Dutch Premier League club).

