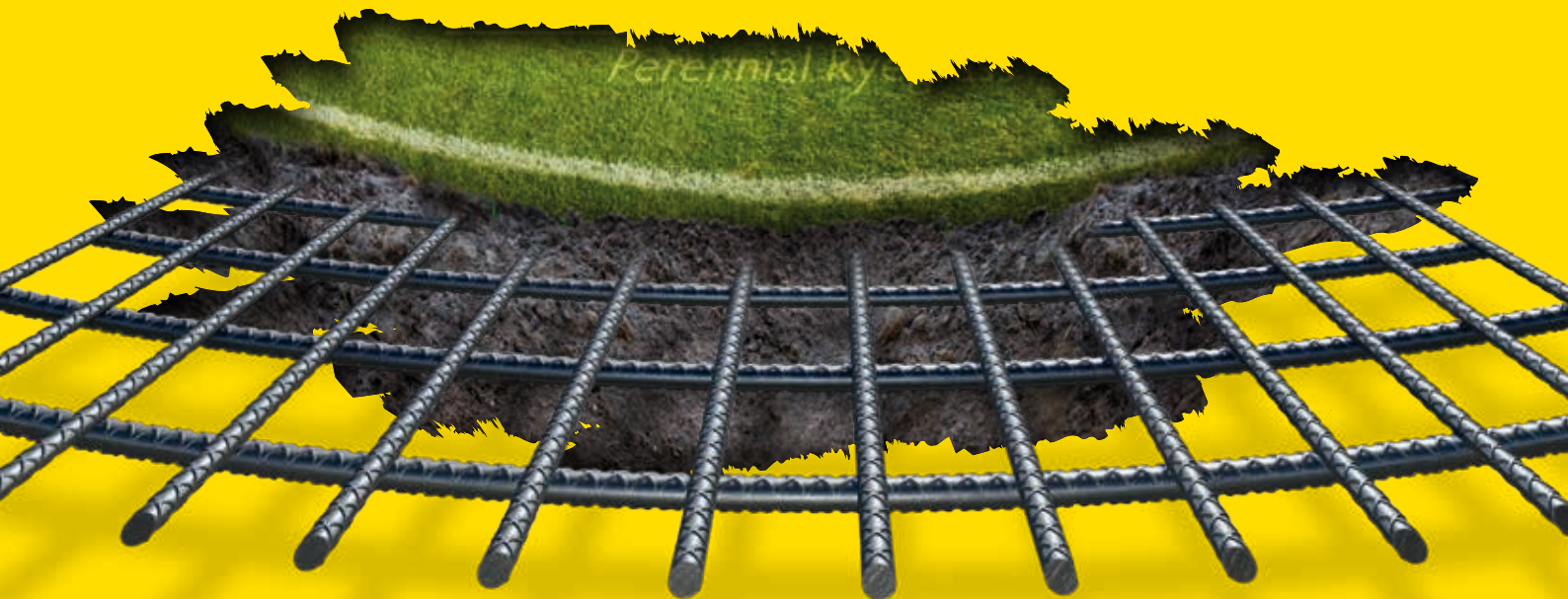




# **STRONG AS IRON**

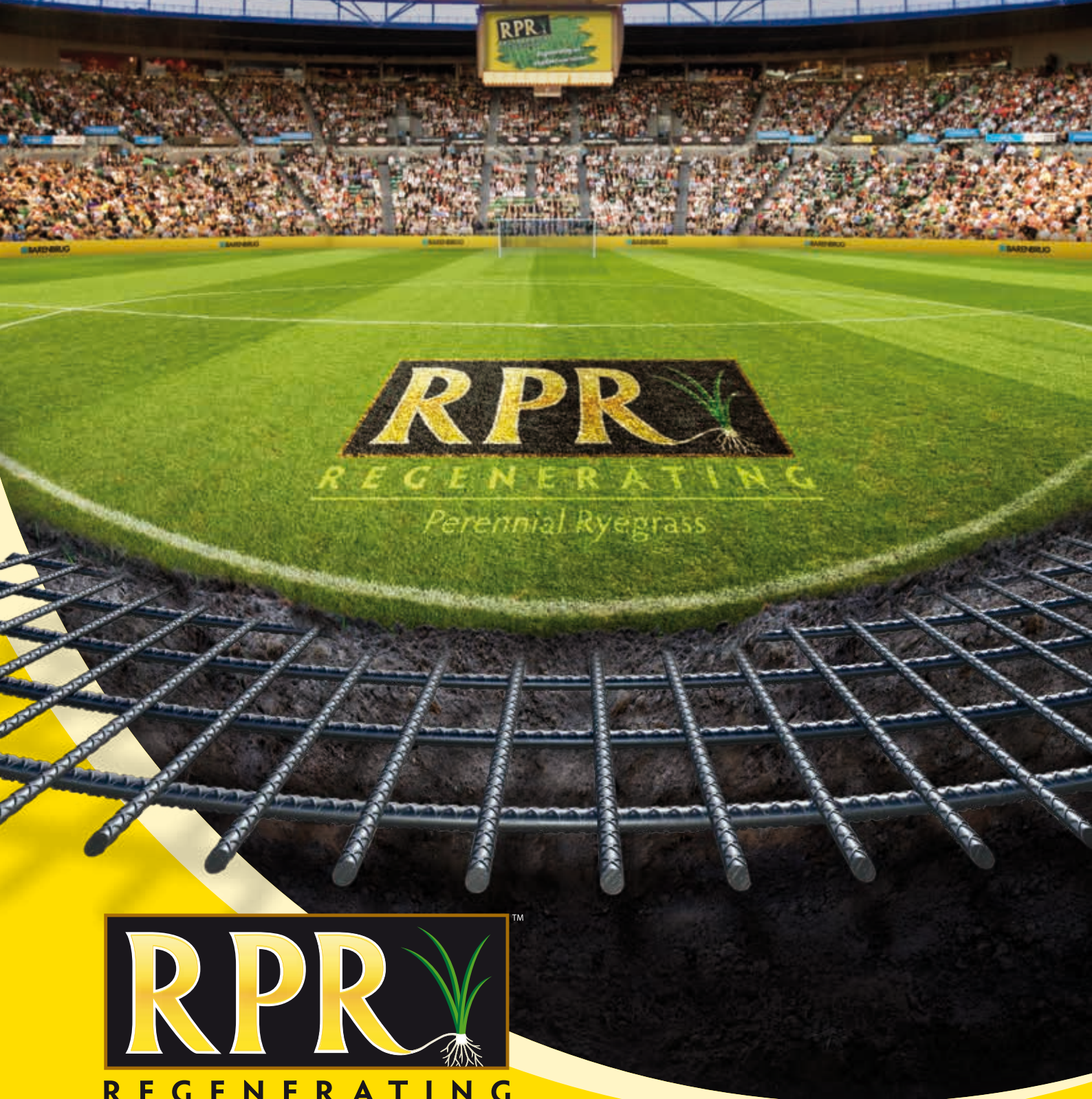
## **Regenerating Perennial Ryegrass**



 **BARENBRUG**  
*Great in Grass*

# STRONG AS IRON

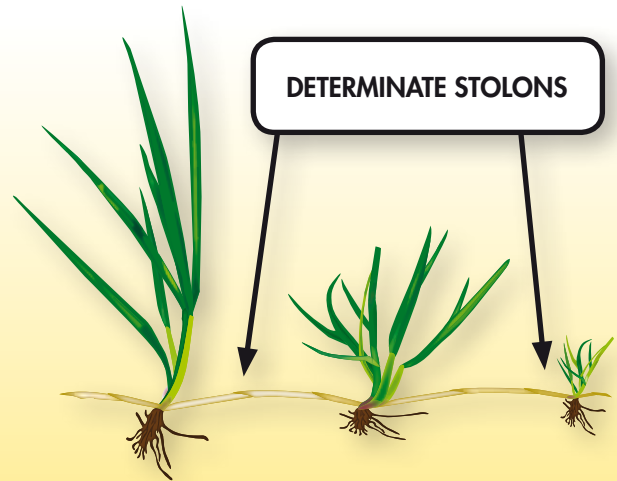
## Regenerating Perennial Ryegrass



**RPR**<sup>TM</sup>  
**REGENERATING**  
*Perennial Ryegrass*

# Revolutionary technology: regenerating and highest wear tolerance!

**R**PR 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.

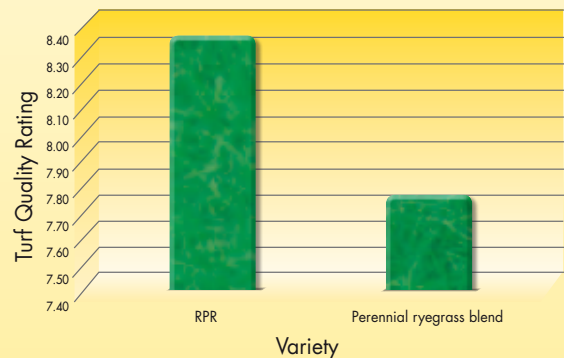


The pictures above show determinate stolons rooting down in RPR.

## 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.



VS.

TRADITIONAL  
PERENNIAL RYEGRASS



## 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 <sup>2</sup> |
| Overseeding  | 15 - 20 g/m <sup>2</sup> |
| Sowing depth | no deeper than 15 mm     |

|         |       |
|---------|-------|
| Package | 15 kg |
|---------|-------|



## RPR is unique!

**W**ith 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.

*"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).





**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 ingression

