

# RPR Regenerating

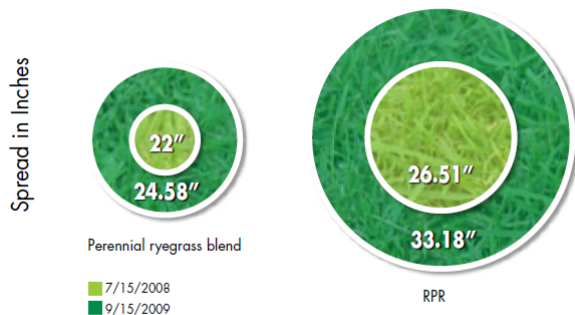
## Perennial Ryegrass



Barenbrug's innovative research and development has produced a new star; a tough perennial ryegrass. *Regenerating Perennial Ryegrass*, or RPR, stands up to heavy traffic while keeping its good looks. A creeping perennial ryegrass, RPR outperforms traditional perennial ryegrass. It's also more resilient and weather tolerant. Because RPR is chosen for top professional sports venues, it could be an ideal choice for your sports field, golf course, lawn or landscape.

It is RPR's regenerating ability that separates it from traditional perennial ryegrass. A product of advanced conventional breeding techniques, RPR plants develop *pseudo-stolons*, which allow them to regenerate in all directions. Pseudo-stolons arise from an auxiliary bud near the base of the mother plant and then grow horizontally at, or just below, the surface of the ground, creating identical new plants as they grow.

### CIRCUMFERENCE OF SPACE PLANTS



RPR spread measured in cm compared to an average of three popular perennial ryegrasses.

Illustration 1



At left regular perennial ryegrass. At right RPR after one year.

RPR got the attention of plant breeders at the Barenbrug research site in Virginia where new grasses are developed for wear, drought and cold tolerance. Researchers noticed that RPR was thriving under tough conditions, expanding even in high stress areas, for example, where the tractor made turns at the ends of rows towing the wear simulator equipment.

Next, RPR was tested at Barenbrug's research fields in Oregon. Plant breeders studied the lateral growth of RPR under frequent mowing when the plants were space planted. Illustration 1 shows how RPR spreads compared to an average perennial ryegrass plant.

Notice the illustration to the left, on two recording dates, RPR was much larger than the typical perennial ryegrass. At the later date, the circumference of the RPR plant was 33 inches compared to perennial ryegrass, measuring 24 inches. The difference gives a 25 percent edge to RPR. Within a year, the RPR plants were well rooted and had spread to three feet wide.

Barenbrug extensively tests all its varieties and RPR is no exception. It has exceeded the company's most stringent quality requirements for wear tolerance, drought tolerance and turf quality.