Sunrise perennial ryegrass (Lolium perenne) has good salt tolerance and is one of the few perennial ryegrass varieties that was shown to tolerate irrigation with effluent water with salt levels up to 7,500 ppm. In a University of Rhode Island study, Sunrise maintained 98% living ground cover when subjected to 10,000 ppm (or 16 dS m⁻¹). It had 63% living ground cover at 12,500 ppm (or 20 dS m⁻¹).

**Improved Quality:** Sunrise shines brightly over earlier releases with dark green color, fine leaf texture and high turf density providing a superior year-round turf. Sunrise is adapted to use on golf course fairways, roughs, and tees, sports turf, home lawns, parks, and industrial and school sites.

**Pest and Diseases:** In test trials, Sunrise has good performance under disease pressure from brown patch, pink snow mold, and dollar spot. It has natural resistance to many surface feeding insects.

**Winter Overseeding:** Sunrise is a perfect choice for overseeding when blended with other Jacklin ryegrasses. Tested in the University of Arizona 2010-2011 Fairway Overseeding trial, Sunrise ranked among the best on: establishment, color, density, texture, quality, and transition. In our 2013 trial in Palm Desert, California, Sunrise had the 4th darkest color rating. Sunrise had superior overall quality, and showed good frost tolerance in January. Sunrise transitions well back to bermudagrass with 53% of the plot already returning to bermuda by April 22nd.

**Adaptation:** Sunrise was developed in the Pacific Northwest where winters can be harsh. Sunrise comes back in the spring with good green-up providing a nice dense turf. Sunrise is adaptable to different management regimes- high, medium and low; including cutting heights of 0.5-3 in. (1.2-7.5 cm), or as low as 0.125 in. (3.2 mm) for overseeded putting greens. Sunrise is an excellent choice when used alone or matched with other Jacklin grasses in mixtures and blends for permanent turf in temperate and transition zone climates.

**Seeding rate:** New establishment: 5-10 lb/1,000 ft² (25-50 g/m²)
Overseeding dormant bermudagrass on greens 10-30 lb/1,000 ft² (50-150 g/m²) or fairways 200-500 lb/acre (225-565 kgs/ha)

**FROZEN**

Sunrise perennial ryegrass (Lolium perenne) has good salt tolerance and is one of the few perennial ryegrass varieties that was shown to tolerate irrigation with effluent water with salt levels up to 7,500 ppm. In a University of Rhode Island study, Sunrise maintained 98% living ground cover when subjected to 10,000 ppm (or 16 dS m⁻¹). It had 63% living ground cover at 12,500 ppm (or 20 dS m⁻¹).

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Sunrise (right) versus competitor (left) on professional soccer field in Japan showing a distinct color improvement.