

SALT TOLERANCE

Good Salt Tolerance



5★ = Outstanding, 4 = Very Good, 3 = Good, 2 = Moderate, 1 = Poor

★★★★★ Fine Leaf Texture

★★★★★ Dark Green Color

★★★★★ Improved Quality

★★★★★ Overseeding

★★★ Salt Tolerance

★★★★ Spring Green Up

- ✓ One of the few perennial ryes that can tolerate effluent water
- ✓ Great year-round turf density
- ✓ Excellent spring green-up and cold tolerance



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



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** wakes up early in the spring for longer turf use. **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)



Scan for more information on Jacklin ryegrasses

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