

# Palmer III

## Perennial Ryegrass

Palmer III is an elite, heat and humidity tolerant perennial ryegrass developed with improved gray leaf spot resistance. Gray leaf spot disease has been a limiting factor to the establishment and persistence of perennial ryegrass in the past 1/2 decade in the Mid Atlantic, Mid South and Midwestern U.S. Palmer III is also an endophyte enhanced perennial ryegrass with >90% Neotyphodium lolii endophyte which provides resistance to a number of leaf and crown feeding pests and improved tolerance to abiotic (non-living) and biotic (living) stress.

It is highly recommended for permanent turf application in the Mid-Atlantic and U.S. transition zone where heat and humidity may limit the adaptation of perennial ryegrass turf. It is recommended for winter overseeding of dormant bermudagrass.

### Usage:

Developed for permanent poly species turfgrass blends and mixtures containing improved perennial ryegrass, Kentucky bluegrass, chewings, slender creeping and strong creeping red fescue, colonial bentgrass and turf type tall fescue. Palmer III is also used extensively in winter overseeding programs on greens, tees and fairways either alone or in species mixtures.

### Seeding and Establishment:

Seeding should occur in the spring and fall when soil temperatures are 60°F or higher. Perennial ryegrass is the fastest establishing cool-season turfgrass species available to the lawn care professional and homeowner. Late autumn and winter turf quality ratings of Palmer III demonstrate that they can rapidly develop and maintain an attractive turf cover into late autumn-early winter.

Seed should be planted at a rate of 6.0-8.0 lbs./1,000 sq.ft. Seed count of Palmer III is approximately 270,000 seeds per pound and dependent on year of harvest, location of production and seed production practices. Sow Palmer III at a depth of ¼ to ½ inches. Of the cool-season grasses used for turf improved perennial ryegrass requires moderately high to high levels of available soil nitrogen to maintain proper basal tillering and growth.

When soil nitrogen levels are low or absent, perennial ryegrass turf will gradually thin and be replaced by low nitrogen adapted grasses, and unsightly weed species. In northern regions 5-7 lbs. N/year; transitional climates 7-9 lbs; N/year; overseeding 2-4 lbs. N/growing month.

### Features

- Heat tolerant
- Humidity tolerant
- Gray leaf spot resistant
- Fast establishment
- Medium to high turf density
- Medium growth rate
- Endophyte enhanced
- Very good traffic tolerance
- Good salinity tolerance
- Good shade tolerance
- Good cold tolerance
- Low thatch tendency

### Uses

- Golf Course Fairways
- Golf Course Tees
- Golf Course Greens
- Sports Turf
- Parks
- Home Lawns

### Seeding Rates

- **New Turf**  
6-8 lbs/1,000 sq ft



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