

Panther GLS

Perennial Ryegrass

Panther GLS is an elite, new generation, 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 decade in the Mid Atlantic, Mid South and Midwestern U.S. Panther GLS 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.

Usage:

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

Disease Resistance:

Panther GLS tied for 2nd in turf quality in the 2004 NTEP Perennial Ryegrass Report 06-1 (2005 data) across thirty U.S. and Canadian locations. It also tied for 1st in turf quality in the Schedule B (Medium Maintenance Athletic Fields) NTEP test conducted during 2005. Panther GLS is highly resistant to gray leaf spot incited by *Pyricularia grisea*. In cooperative Turfgrass Breeders Tests conducted during 2004 and 2005 in Illinois, Kentucky, Maryland, and North Carolina, Panther GLS exhibited resistance to gray leaf spot.

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 newer varieties like Panther GLS 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 Panther GLS is approximately 288,000 seeds per pound and dependent on year of harvest, location of production and seed production practices. Sow Panther GLS 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 norther regions 5-7 lbs. N/year; transitional climates 7-9 lbs; N/year; overseeding 2-4 lbs. N/growing month.

Features

- Excellent summer stress resistance
- Good shade tolerance
- Good cold weather tolerance
- Endophyte enhanced
- Fast establishment
- Very good traffic tolerance
- Good salinity tolerance

Primary Pest and Disease Resistances

- Grey leaf spot
- Crown feeding pests

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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