



STOVER SEED®

Teaming confidence with nature since 1922

Technical Data and Information Product Sheet

PANGEA GLR Turf-Type Perennial Ryegrass, *Platinum Quality™*

DESCRIPTION

Perennial Ryegrass is a cool season bunch grass that is native to Europe and is widely planted as both a pasture grass and turfgrass in the United States. Like tall fescue it spreads by shoots or tillers as opposed to bluegrass which spreads by runners or rhizomes. In the 1970s new varieties were developed that were more acceptable for use as a turfgrass, hence the name “Turf-Type Perennial Ryegrass.” These ryegrasses are best suited to the northern and transition climate zones as a permanent turf and in the southern, humid zones as a winter overseeding grass mainly on dormant bermudagrass. Perennial Ryegrasses are also popular in seed mixtures with Kentucky Bluegrasses and Fine Fescues.

With a uniform fine texture and outstanding dark green color, Turf-Type Perennial Ryegrasses grasses exhibit excellent turf quality with little thatch buildup. They establish quickly and with favorable conditions can germinate in as little as 5 days.

There are well over 200 varieties of Turf-Type Perennial Ryegrasses with various traits and characteristics. **Pangea GLR** exhibits excellent color and grey leaf spot disease resistance in addition to fast establishment (seedling vigor) and improved wear tolerance. It was also rated the highest in NTEP trials for overall turf quality.

CHARACTERISTICS

Features

Better heat and drought tolerance
Rapid tillering
Excellent seedling vigor
Grey Leaf Spot resistance
Compact growth
Improved mowability

Pros

Quickest establishment of cool season grasses
Good wear tolerance
Moderate shade tolerance

Benefits

Improved summer performance
Excellent wear tolerance and recovery
Fast establishment
Less susceptible to warm weather disease
Improved turf quality
Reduced shredding during mowing

Cons

Can get clumpy under heavy use
Higher water use

USES

Because of its turf quality, low maintenance and drought tolerance, Pangea GLR is an ideal choice for:

- * Residential Lawns * Playgrounds *Parks *Overseeding
- * Golf Courses *Sports Fields *Institutional Grounds

SEEDING RATES

New turf: 10 pounds per 1,000 square feet or 400 pounds per acre.
Overseeding existing turf: 6 to 10 pounds per 1,000 square feet or 250-400 pounds per acre.
Seed when soil temperatures are above 60° at a depth of 1/4 inch.
Best times for seeding are early spring and early fall.



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ESTABLISHMENT

Emergence: 5-10 days under optimum temperature range between 68-86 degrees, longer under cooler temperatures.
 First mowing approximately 21 days after emergence, longer under cooler temperatures.
 First limited use approximately 28 days after emergence.

SPECIFICATIONS

PANGEA GLR Turf-Type Perennial Ryegrass

Platinum Quality (Exceeds Certified Quality Standards)

98% Minimum Purity

0.0% Crop and Weed Seed

90% Minimum Germination

250,000 seeds per pound

Pangea GLR is produced by Turf Merchants, Inc and is a protected variety under the US Plant Variety Protection Act.

Turfgrass Testing Programs Listed:

NTEP: National Turfgrass Evaluation Program www.ntep.org

CULTURAL INFORMATION

Water Requirements

Frequent, light watering is necessary for seed to germinate and become established. After establishment, water infrequently but deeply to encourage root development. Perennial Ryegrass is a cool season (C3) grass that needs regular irrigation to maintain an acceptable turf. Once the grass becomes established it has the ability to withstand moderate drought conditions under reduced irrigation schedules. General irrigation guidelines dictate that turf should be watered in early morning hours and that about 1/2 to 3/4 of an inch of water should be applied but not to the point of runoff.

Climate Conditions

Perennial Ryegrass is widely distributed throughout the United States except in areas of extreme cold and heat. Water usage is lowest in cool humid regions with highest use in arid regions. Once it becomes established it can withstand periods of heat and drought.

Soil Conditions

Perennial Ryegrass prefers well drained soil (clay or sandy) with a pH of 5.5 to 7.5.

Fertilization

Use of a starter fertilizer when seeding is highly recommended. After establishment, fertilize during periods of active growth in Spring and Fall with a balanced fertilizer. Avoid using products with a high nitrogen (N) content as it increases water use. Apply no more than 4 pounds of N per 1,000 square feet per year.

Mowing

Ideal mowing height is between 1.5 and 2.5 inches. A lower height of 1 inch may be tolerated under ideal growing conditions. Higher mowing heights of 3 to 4 inches are recommended in summer to reduce heat and drought stress. Never mow more than 1/3 off of the height at one time. Mow during the cooler periods of the day. A mower with sharp blades reduces stress and improves the appearance.

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