STOVER SEED®

Teaming confidence with nature since 1922

Technical Data and Information Product Sheet

PRO SPORTSFIELD SUPREME™ High Performance Turfgrass Mixture

DESCRIPTION

An improved version of our popular 'Pro Sportsfield' mixture, this 'Supreme' formulation is a mixture of improved perennial ryegrasses with La Prima XD bermudagrass. These grasses provide the best combination of quick establishment, durability and attractiveness in all seasons, and can be seeded in all seasons. It will withstand low mowing and develop into a dense and durable turf. The inclusion of La Prima XD bermuda provides an even denser turf over common bermuda with better winter cold tolerance. This mixture is a TWCA qualified product which means that these grasses have successfully met a stringent set of criteria that have been documented and have proven water conservation benefits.

CHARACTERISTICS

Features	Benefits
Superior heat and drought tolerance	Meets water conservation goals
Stoloniferous and rhizomatous growth habit	Outstanding wear tolerance and recovery
Excellent, warm weather seedling vigor	Fast establishment
Better bermudagrass cold tolerance	Stays green longer

USES

Pro Sportsfield Supreme is a natural for high traffic areas such as:

* Sportsfields	*Parks	*Golf Courses
* Playgrounds	*Lawns	*Dog Parks

SEEDING RATES

New turf: 10-12 pounds per 1,000 square feet or 400-500 pounds per acre.
Overseeding existing turf: 7 to 10 pounds per 1,000 square feet or 300 to 400 pounds per acre.

ESTABLISHMENT

Warm season grasses such as bermuda should be seeded when daytime temperatures are consistently 80 degrees or greater (generally between the months of April and October) Emergence can be anywhere between 7 and 21 days. The higher the soil temperature, the quicker the germination as long as there is adequate moisture (irrigation). First mowing approximately 21 days after emergence.

SPECIFICATIONS

PRO SPORTSFIELD SUPREME™

Rainwater Perennial Ryegrass
Manhattan 5 GLR Perennial Ryegrass
La Prima XD Improved Bermudagrass (coated)

83% Minimum purity
90% Minimum germination
230,000 seeds per pound
Origin: Oregon/Arizona

Varieties listed are protected under the U.S. Plant Variety Protection Act .

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CULTURAL INFORMATION

Water Requirements

Frequent, light watering is necessary for seed to germinate and become established. The grasses in this mixture are both cool and warm season grasses. Once the grass becomes established it has the ability to withstand summer drought conditions under reduced irrigation schedules. For landscape professionals that use irrigation systems and calculations, perennial ryegrass can be irrigated at 80% of average ET_0 (Reference Evotranspiration) rates. Specific information on Turfgrass irrigation schedules and ET rates can be found at http://ucanr.edu/sites/UrbanHort/ and at http://ag.arizona.edu/pubs/water/az1195.pdf and http://anrcatalog.ucdavis.edu/pdf/8395.pdf General irrigation guidelines dictate that turf should be watered in early morning hours and that about 3/4 of an inch of water should be applied but not to the point of runoff.

Climate Conditions

This mixture is suitable to all climate conditions. Water usage is lowest in coastal climates with highest use in desert regions. Once it becomes established it can withstand periods of increased heat and drought.

Soil Conditions

Well drained soil (clay or sandy) with a pH of 5.5 to 8.5.

Fertilization

Use of a starter fertilizer when seeding is highly recommended. After establishment fertilize during periods of active growth in warm months with a balanced fertilizer. Avoid using products with a high nitrogen (N) content as such use increases water use. Application rates should be between 0.5 and 1 pound of nitrogen (N) per 1,000 square feet per month during the growing season.

Mowing

Ideal mowing height for sportsfields is between .5 and 1 inch. Higher mowing heights favor perennial ryegrass while lower mowing heights favor bermudagrass.

TWCA

Pro Sportsfield Supreme is a "TWCA" qualified product that has been bred and tested to withstand longer periods of drought stress. The testing involves the establishment of the turf grass under optimal conditions allowing the full expression of aboveground and below ground growth and then impose a long term water deficit stress. During the development of drought stress, turf grass plots are monitored for their ability to maintain green cover under protracted drought stress, a process which Identifies those cultivars with either low water use or extensive root systems. Cultivars or selections that maintain green cover for longer periods can reduce overall water needs.

Drought tests are conducted by the Turf Grass Water Conservation Alliance (TWCA). This non-profit organization has established a science-based method for qualifying cultivars for drought tolerance and other characteristics related to water conservation of grass seeds at low cost.

Studies are conducted in approved structures that restrict natural rainfall on the plot area during the drought stress period. The entries are replicated four times in a randomized complete block design. Planting rates for each species reflect industry standards. Following establishment, each species is maintained appropriately and fertilized according to standard practices. Plots are maintained for a single growing season prior to initiating drought stress. Drought stress is replicated for two years in one location, or one year at multiple locations. The response of entries to drought stress is evaluated two times weekly using digital image analysis techniques to quantify the percent of green turf cover for each plot as drought becomes more severe. When all plots fall below a 25% green turf cover, the experimental area is saturated to initiate drought recovery. Thereafter, the experimental area is irrigated weekly and recovery of entries from drought evaluated weekly using digital image analysis until plots reach 100% green cover.

HELPFUL LINKS

Stover Seed: www.stoverseed.com

Turfgrass Water Conservation Alliance: www.tgwca.org

University of California: https://anrcatalog.ucdavis.edu/pdf/8395.pdf

National Turfgrass Evaluation Program (NTEP): www.ntep.org

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