STOVER SEED®
Teaming confidence with nature since 1922

Technical Data and Information Product Sheet

TRIPLE CROWN EXTREME™ Spreading and Drought Tolerant Tall Fescue Blend

DESCRIPTION

An outstanding blend of the newest and most drought tolerant tall fescue varieties available. These varieties represent advances in turf quality in addition to being a qualified TWCA Turfgrass product. TWCA approval 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
Better heat and drought tolerance	Improved summer performance
Rapid tillering, spreading growth habit	Excellent wear tolerance and recovery
Excellent seedling vigor	Fast establishment
Brown patch resistance	Less susceptible to warm weather disease
Endophyte enhanced	Improved insect and disease tolerance
Improved mowability	Reduced shredding during mowing

USES

Triple Crown Extreme is a natural for high traffic areas such as:

* Playgrounds	*Parks	*Commercial Sites
* Sod Production	*Lawns	*Cemeteries

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.

ESTABLISHMENT

Emergence: 5-7 days under optimum temperature range between 68-86 degrees, longer under cooler temperatures.
First mowing approximately 21 days after emergence (may be longer under cooler temperatures).
First limited use approximately 28 days after emergence.

SPECIFICATIONS

TRIPLE CROWN EXTREME™ TALL FESCUE BLEND

35% Aquavita Tall Fescue
35% Aquaduct Tall Fescue
30% Rhambler II SRP Tall Fescue

98% Minimum purity
90% Minimum germination
230,000 seeds per pound
Origin: Oregon/Washington

The 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. Tall Fescue is a cool season (C-3) grass. Once the grass becomes established it has the ability to withstand summer drought conditions under reduced irrigation schedules. For turf managers that use irrigation systems and calculations, Tall fescue can be irrigated at 80% of average ET_0 (Reference Evotranspiration) rates. Because of the ability of tall fescue to establish roots at a depth of 3 feet or more it is able to draw water from a larger soil profile which enhances its drought tolerance. *As a result, once tall fescue has become established (4-6 months) it can withstand irrigation schedules at less than 80% of ET_0 and still produce acceptable turf.* 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

Tall Fescue is suitable to all climate conditions. Water usage is lowest in coastal climates with highest use in desert regions.

Soil Conditions

Tall Fescue prefers 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 Spring and Fall with a balanced fertilizer such as Gro-Power 5-3-1 at 15 pounds per 1,000 sq. ft. Avoid using products with a high nitrogen (N) content as such use 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.

TWCA

Triple Crown Extreme is an "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 above-ground 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

Aquawise: www.aquawise.org Turfgrass Water Conservation Alliance: www.tgwca.org

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

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