



FINE FESCUE DATA SHEET

CULUMBRA II IS A TWCA APPROVED VARIETY
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BREEDER

Nexgen Turf Research, LLC

DESCRIPTION

Culumbra II is a new and improved chewing fescue derived from European and North American germplasm. It exhibits a distinct dark green, fine textured, upright, elegant turf and is recognized for its reduced rate of vertical growth (less mowing) and low maintenance (less input). Culumbra II was recently recognized by the Turfgrass Water Conservation Alliance (TWCA) for its lower water use compared to other improved chewing fescue varieties. Culumbra II also exhibits low height of cut tolerance for tightly mowed fairways and winter overseeded greens. It exhibits good shade tolerance and is adapted to low fertility and moderately high soil pH. Culumbra II requires soils with good to excellent internal drainage for optimal turfgrass performance.

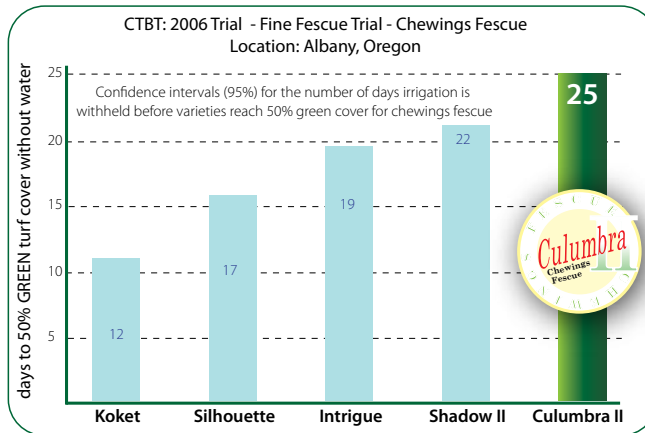
APPLICATION

Culumbra II is highly recommended where reduced water and other management inputs are required or mandated by municipalities and public agencies. Culumbra II is best utilized in species mixtures for improved shade tolerance, low height of cut tolerance and reduced maintenance turfgrass in mild temperate climates. Culumbra II is compatible with Kentucky bluegrass, perennial ryegrass, colonial bentgrass, and other fine fescues. In addition, Culumbra II can be utilized in winter overseeding programs as a minor component in elite rapid to transition turfgrass mixtures.

PERFORMANCE

This Water Miser product has been approved by the Turfgrass Water Conservation Alliance as a drought tolerant variety. TWCA approved cultivars have undergone rigorous testing at multiple locations across the country, and have proven to use at least 40% less water while maintaining green cover. The Water Miser and TWCA seals are your guarantee to greener grass with less water. Culumbra II is one of only two chewings fescue to be drought tolerant approved by the TWCA. Culumbra II showed exceptional drought tolerance under chronic drought stress. Using digital imaging analysis Culumbra II remained 25% green on average 10 days longer than similar chewing fescue varieties. These trials were conducted by the TWCA using digital imaging analysis and reviewed by participating universities.

Along with its superior drought tolerance resistance Culumbra II also exhibits good resistance to dollar spot incited by *Sclerotinia homoeocarpa*, red thread *Laetisaria fuciformis*, moderate resistance to summer patch *Magnaporthe poae*, and brown patch *Rhizoctonia solani*.



CHARACTERISTICS	Growth Habit	Bunch
	Estab. Rate days	Medium 18-21
	LHC Tol. 1/2"	Poor
	Mowing Freq.	2x month
	Traffic Tolerance	Good
	Thatch Prod.	Med-High
	Comp. Mix	Good
	Nitrogen Req.	Low 2-4 lbs*
	Shade Tol.	Fair
	Cold Tol.	Good
	Drought Tol.	Excellent
	Et. rate mm/day	Very Low
Endophyte	None	
Salinity Tol. mmhos	>3 Poor	

LHC=low height of cut, Et=evapotranspiration, N=Nitrogen, * per 1000 sq. ft., rates may increase or decrease based on location, soil type, irrigation practices, desired turf quality, humidity and other abiotic and biotic factors.

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