

# CSI-Rye MAINTENANCE GUIDE



## **GENERAL CHARACTERISTICS:**

CSI™ Rye is a creeping perennial ryegrass that forms a very attractive, dense, and durable turfgrass stand with tightly intertwined horizontal tillers. CSI will start to express its creeping characteristics following vernalization, which occurs during short days and cool temperatures. In some climates this can mean as quickly as 5-6 months whereas in others it may take a year.

**TURF QUALITY:** CSI's exceptional wear tolerance, flexibility in mowing height, and high shoot density results in excellent turf quality compared to traditional perennial ryegrasses. It is innovative!



**CLIMATIC ADAPTATION:** Adapted to cool-arid and cool-humid regions.

**SEEDING RATE:** The seed size of CSI-Rye is up to 35% smaller than normal perennial ryes. Therefore, a lower seeding rate of 140-168 kg/ha (15-20 g/m<sup>2</sup>) is recommended for permanent turf. Plus CSI will spread so you don't need higher rates.

## **INVESTIGATE SEEDING RATES FOR YOURSELF!**

Recommended rate for CSI™ Rye  
15-20 g/m<sup>2</sup>

Other recuperative ryes about 34 g/m<sup>2</sup>  
& normal ryes about 49 g/m<sup>2</sup>.

**MUCH LESS CSI™ RYE SEED**  
**needed to cover,**  
**and KEEP coverage on,**  
**the same sized area.**

**GERMINATION:** Typically within 1 week.

**TEXTURE AND DENSITY:** Mature stands of CSI-Rye are very fine bladed (1-1.5mm) while showing 2-3 times the density of traditional perennial ryes.

**COLOR:** CSI is an attractive, medium to dark green grass that looks great alone and makes a perfect companion to blend with elite Jacklin bluegrass.

**MOWING HEIGHT:** CSI-Rye can tolerate mowing heights ranging from 2.0-3.8cm while still producing an attractive and high density turf.

## **FERTILIZER (in g/m<sup>2</sup>):**

Spring: 5-7g N in a complete NPK ratio of 3:12

Summer: 5-7g N in a complete NPK ratio of 3:12

Fall: 10-12g N after final mowing of the season. This application prepares CSI-Rye for strong spring performance without excess foliar growth and reduces spring "steminess".

**IRRIGATION:** Irrigate CSI-Rye as needed to prevent wilt stress. To promote an even deeper root system, utilize an infrequent, yet deep irrigation schedule. On a sod farm in Washington DC, a climate that traditionally kills ryes due to heat and humidity, CSI-Rye showed better heat tolerance than other ryes when irrigated with the same amount of water.

**DISEASE TOLERANCE:** Bred for improved disease tolerances to crown rust, stripe rust, and winter leaf spot, CSI-Rye uses fewer chemicals than traditional ryes to maintain an attractive stand.

**HERBICIDE USE:** Due to CSI's creeping capability and competitiveness, weed invasion is often less problematic once established. However, CSI-Rye can tolerate herbicides that other traditional perennial ryegrass cultivars can tolerate. It is recommended to control weeds during establishment due to CSI's lower seeding rates and always follow the herbicide label prior to widespread use.

When your project needs perennial ryegrass, you cannot go wrong with CSI-Rye.