CrossOver®
FROM SOIL TO PLANT

GIVE YOUR TURF WHAT IT CRAVES.

IS YOUR SILICON SOURCE PLANT-AVAILABLE?

CrossOver® boasts one of the industry's highest percentages of soil applied monosilicic acid, the only form of silicon plants can absorb.

CrossOver is a patented fertilizer and soil amendment offering highly available soluble silicon combined with calcium and magnesium. Its highly plant-available silicon formulation improves soil structure and crosses over to enhance your turf's natural defense to stress for season-long vigor.

SILICON AND PLANTS

Silicon is taken up by plants as monosilicic acid, transported from the roots to the shoots where it is deposited as solid, hydrated plant silica. Monosilicic acid is the only form of plant-available silicon. Silicon comes in many different forms. The availability of the silicon is just as variable, depending on the source of the silicon. Regardless of sourced silicon fertilizer, always ask for the monosilicic acid content.

CrossOver Turf DELIVERS PLANT-AVAILABLE SILICON

Crossover's patented turf formulation provides plant-available soluble silicon (as monosilicic acid) for immediate activity within turf and soil chemistry. CrossOver Turf is an effective, sustainable and essential tool for turf management programs.

The CrossOver Power Benefits

- **IMPROVES** soil structure
- **ENHANCES** soil stability
- **HELPS PREVENT** metal toxicity
- **INCREASES** phos availability
- **HELPS PREVENT** sodium toxicity
- **IMPROVES** nutrient efficiency
- **INCREASES** photosynthesis
- **ELEVATES** stress tolerance

CROSSING OVER FROM THE SOIL TO THE PLANT

Improves Soils with Compromised Structure and Stability (Low and High pH Soils)

- The combination of silicon-based geopolymers with calcium form a much stronger attraction between particles than just calcium alone. This combination creates stronger soil aggregates with far more stability and less susceptibily to reversal should sodic or acidic conditions return.
- Improved structure and stability restores air and water movement.
- Under acidic and sodic soil conditions, metals and carbonates have a higher affinity for soluble silicon, releasing tied-up phosphorus (P) in the process. Additionally, silicon in the soil provides an exchange site for (P) to reattach and remain available, preventing (P) from re-tie up.

ENHANCES TURF'S ADAPTIVE CAPACITY

- Provides improvement in structural integrity amplifying turf's ability to defend itself against environmental and biological stresses.
- This results in increased water absorption, decreased water loss under conditions like drought and extreme heat, increased disease resistance, and increased blade erectness, which promotes photosynthesis for denser, healthier turf.

PRODUCT OFFERING & APPLICATION RECOMMENDATIONS

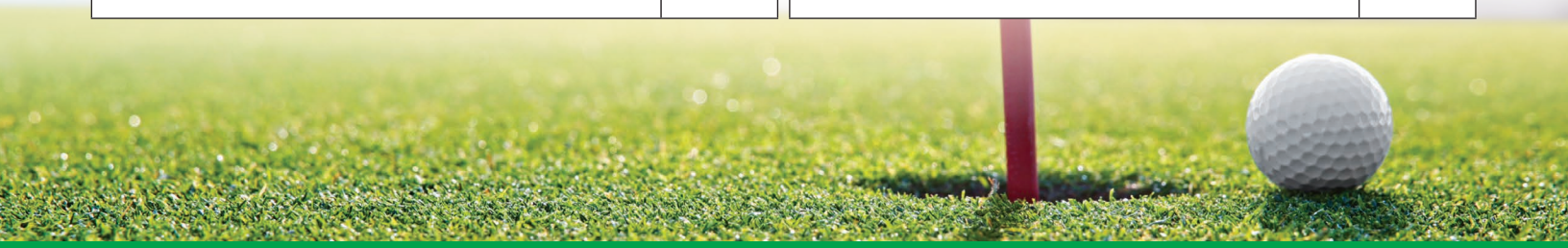
CrossOver Turf is offered in greens and fairway grade, 50 pound or one ton supersacks. CrossOver products are very versatile in functionality and application. In short, we recommend applying 20-30 lbs. / 1000 sq. ft. throughout the course of the season. Typical applications follow aerations and start right after turf breaks dormancy, with 5-10 lbs. per 1000 sq. ft. per month applied during a 3-month treatment period. Superintendents find that this schedule easily fits into best practices and gives the soil and turf time to build sufficient calcium and silicon reserves prior to onset of stress conditions. An end- of- season application just prior to dormancy allows the turf to winter and prepare for a quicker spring rebound. CrossOver Turf can also be applied as a single treatment at 25-30 lbs. per 1000 sq. ft.

PERFORMANCE AND BENEFITS

- Improves wear tolerance
- Improves playability
- Denser root mast
- Faster recovery
- Increased stress tolerance
- Improved color and stand
- Rapid spring green-up and regeneration

TYPICAL ANALYSIS

Chemical Composition (%)			
Calcium	25.7%	Soluble Silicon (H_4SiO_4 – Plant-Available Silicon)	2.1%
Magnesium	6.5%	Silicon Dioxide (SiO_2)	21.3%



Add CrossOver to your turf mixes to improve nutrient availability and efficiency and boost natural plant defenses. **Learn more at CrossOver-Silicon.com**

crossover@harsco.com / **1.800.850.0527** /

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