

# TURFGRASS MANAGEMENT

## Stabilized Soil Oxygen Program



1-877-ECO-GROW  
GeoponicsLLC.com

The tremendous benefits of a soil ecology rich in oxygen are universally recognized, but soil oxygen levels traditionally have been no more controllable than rainfall or temperature. Cultural practices designed to alleviate anaerobic soils have developed over time, but they are generally expensive, disruptive to play, and impact only a small percentage of the treatment area. *Geoponics has developed the Stabilized Soil Oxygenation Program™ for these very reasons.*

*Together We Can Make A Difference™*

### Benefits of the Stabilized Soil Oxygenation Program

By simultaneously flushing pore spaces and saturating soil moisture with dissolved oxygen, an ideal growing environment for the turfgrass, as well as the plant-friendly microbes it has a symbiotic relationship with, is cultivated. In this way, Penterra™ and Agriox™ work together to restore a soil's ecology to a balanced state, dramatically reducing plant stress in the process.

#### FREQUENTLY ASKED QUESTIONS



#### Can Agriox be sprayed without a wetting agent?

This is not recommended as the active ingredients generally are not moved effectively into the root zone, a requirement for maximum effectiveness and, subsequently, the most positive results. Benefits have been reported as a result of this approach, but not of the distinct and dramatic nature Penterra users achieve on a regular and ongoing basis.

#### Can I use my current wetting agent instead of Penterra?

Unlike other surfactants in use today, Penterra carries a heavy negative ionic charge into the soil. Our penetrant's professional strength comes from a proprietary 95% active ingredient formulation which not only reduces the surface tension of irrigation water, but functionally turns the substrate into a large "magnet." This results in water being pulled through the nonpolar organic material of the canopy and down into the root zone, even into ordinarily hydrophobic areas. By moving the Agriox below the surface of the ground and into the capillary pore spaces, users insure the released oxygen is contained within the moisture barrier instead of being lost atmospherically, a major liability of previous products designed to increase soil oxygen levels. Regular use of the most powerful penetrant on the market will result in improved soil structure and increased porosity as well.

#### How often does the Stabilized Soil Oxygen Program need to be applied?

Plant friendly microbes require oxygen in order to survive and flourish. Without a regular supply, anaerobic microbes explode in population, leading to a host of problems including nutrient deficiencies and root disease. Many of these issues are due to the unmet biological and chemical oxygen demand present in the turf ecology. This condition is often evidenced by the presence of hydrogen sulfide gas, which has a foul odor and is toxic to roots. By treating your greens with Agriox every four weeks, an oxygen-rich, low-stress environment optimal for healthy growing will be maintained.

