

OARS®

Organic Acid Redistribution System

REGISTRATION NUMBER 2011029A FERTILIZERS ACT

The Proof Is In The LEACHATE!

Bonds adhering
organic acids
to soil particles
are broken
alleviating
localized dry
spots and water
repellency in
the soil profile
reducing stress
on turf.

LEACHATE
Containing Dissipated
Organic Acids After
Using OARS

LEACHATE
After Using
All Other
Surfactants

OARS®

Organic Acid Redistribution System

THE SCIENCE BEHIND OARS' CORRECTIVE APPROACH TO MANAGING WATER REPELLENCY

Research has proven that water repellency and LDS is caused by the build-up of organic acids in the top one inch below the thatch/soil interface. These organic acids are the result of dead plant material that builds-up over a short period of time. Before the discovery of **OARS**, the only way to manage these organic acids was to mask them with a hydrating surfactant and/or constant mechanical aeration. Aeration can only affect less than 5 percent of surface area at one time, not enough to effectively manage water repellency.

OARS affects 100 percent of the surface area per application and research has demonstrated that it removes as much as 27.5 percent of those water repellent organic acids after two applications. Because turf is aggressive and is continually growing, the build-up of organic acids is also continual. **OARS'** unique combination of a hydrating surfactant and organic solvent is the only chemistry that removes the cause of water repellency. This unique combination also provides a dryer and firmer playing surface than most surfactants, which locate the masking-hydrating surfactant lower in the root zone than where it needs to be. Turf managed with **OARS** will have fewer ball marks and mower tracks, the end result of providing a drier and firmer playing surface.

OARS is the corrective approach to managing water repellency. Unlike other surfactants and soil amendments that just alleviate the symptoms of soil water repellency, **OARS** removes the build-up of hydrophobic organic substances from the soil particle surface and provides 30 days of hydration.

- Uniform movement of water into and through the soil profile
- Patterns of wetting and re-wetting that will improve the amount of water in the soil to meet transpirational and metabolic demands of turfgrass
- Long lasting surfactant activity
- Removes the cause of water repellency
- 30 day deep hydrating surfactant
- Provides a uniform soil moisture profile
- Creates a dryer playing surface
- Will not burn
- Field tested and University researched
- The corrective approach to water repellency

COMPOSITION

OARS - Organic Acid Redistribution System - with 30 day Hydrating Surfactant is a non-toxic, non-ionic, non-flammable, non-corrosive and biodegradable formulation of surfactants and an organic solvent.

Active Ingredients:

- 80% Polyoxyalkylene polymers
- 8% Anionic surfactant

OARS is available in 55 and 2.5 gallon recyclable containers*.

*Check with your distributor for availability.

APPLICATION RATES

Golf, Sports and Lawn Turf

Apply 6 to 7 ounces per 1000 ft² in 2 gallons of water (20 to 23 L/ha in 800 L) at 30 day intervals.

For increased penetration and surface firmness, apply 7 ounces per 1000 ft² in 2 gallons of water (23 L/ha in 800 L) at 15 day intervals.

Irrigation is required after each application to remove OARS from the leaf surfaces.



AQUA·AID
SOLUTIONS

5484 S. Old Carriage Road
Rocky Mount, NC 27803

PROOF IN THE LEACHATE