

# OARS

Organic Acid Removal System – The Original



**LEACHATE**  
Containing Dissolved  
Organic Acids After  
Using OARS

**The Proof  
Is In The  
LEACHATE!**

The removal  
of organic acids  
from soil particles  
alleviates  
localized dry  
spots and water  
repellency in the  
soil profile  
reducing stress  
on turf.



**LEACHATE**  
After Using  
All Other  
Surfactants

**AQUA·AID**

*CARE FOR TURF*

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# OARS®

## A Solution That Works!

### 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 aerification. Aerification 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 (proven) 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. As the picture on the front demonstrates, 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 less mower tracks, the end result from 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 matrix
- 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** - is a non-toxic biodegradable formulation of surfactants and an organic solvent.

#### Active Ingredients:

- 35.5% Polyoxyalkylene polymers
- 62.0% Non-ionic polyols
- 2.5% Potassium salt of alkyl substituted maleic acid

OARS is available in 226 gram pellets (12 per box).

\*Check with your distributor for availability.

### APPLICATION RATES

#### Golf, Sports and Lawn Turf

Apply as needed when hand watering.

One OARS Pellet will cover 1 to 3 average size greens, up to 1,300 m<sup>2</sup>.

Distributed by:

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PROOF IN THE LEACHATE