

*PATENTED • MULTI-BRANCHED  
REGENERATIONAL*

**OARS<sup>®</sup> HS**

***Soil Hydrating Surfactant***



**OARS<sup>®</sup> HS** is proven to mitigate the cause of Localized Dry Spot (LDS).

**OARS HS** increases the number of hydrating sites to improve moisture retention.

Use less ounces of **OARS HS** on the ground with greater efficacy.



## Soil Hydrating Surfactant

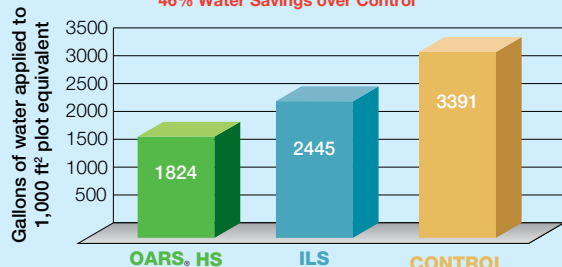
OARS HS, Soil Hydrating Surfactant, is a combination of the university researched, field proven, and patented organic acid redistribution system (OARS) with a multi-branched hydrating chemistry. OARS HS controls soil water repellency while providing uniform soil moisture and increased soil moisture retention.

### WHAT TO EXPECT

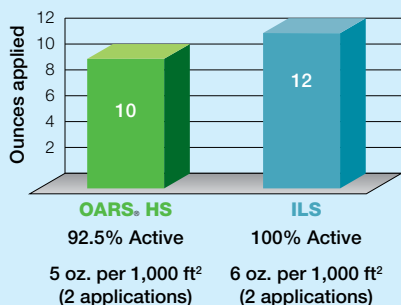
- Removes humic coatings from hydrophobic soil particles
- Controls water repellency
- Provides superior soil moisture uniformity
- Reduces drought stress
- Consistent performance between applications to maintain adequate moisture in hard to wet soils

#### Effect of OARS HS on Soil Volumetric Water Content (VWC) versus an Industry Leading Surfactant (ILS)

25% Water Savings over ILS with 16% Less Applied Product  
46% Water Savings over Control



Water applied over eight weeks to maintain 22% VWC



\* Trials performed by Penn State University in 2017

### COMPOSITION

- 85% Octahydroxy polyoxyalkylene polymers
- 7.5% Amine salt of alkyl substituted maleic acid
- 7.5% Inert Ingredients

### APPLICATION INSTRUCTIONS

#### Golf, Lawn, and Sports Turf

Apply 4 to 5 ounces per 1,000 ft² in 2 gallons of water (13 to 16 L/ha in 800 L) at 30 day intervals or as needed. After an initial 5 ounce (16 L) application, drought conditions can be best managed by applying 2 to 2.5 ounces per 1,000 ft² in 2 gallons of water (6 to 8 L/ha in 800 L) at 15 day intervals or as needed.

For extreme drought conditions with high temperatures and/or increased soil water repellency, apply 6 to 8 ounces per 1,000 ft² in 2 gallons of water (20 to 25 L/ha in 800 L) at 30 day intervals or as needed.

Irrigate with sufficient water to deliver OARS HS to the soil profile - 1/8 inch (3 mm) or more recommended.

### BEST PRACTICES

- Apply OARS HS within label rates to ensure efficacy is achieved.
- Begin using OARS HS early in the growing season before water repellency and LDS conditions are apparent.
- Best results are achieved when OARS HS is used as a full season program and not when signs and symptoms of water repellency and turfgrass stress appear.
- When making an OARS HS application with a sprayer, utilize a minimum 2 gallons per 1,000 ft² water carrier.
- OARS HS has a neutral pH allowing it to be easily tank mixed. It is still important to perform a jar test to confirm compatibility.