OARS® Ps

Soil Penetrating Surfactant

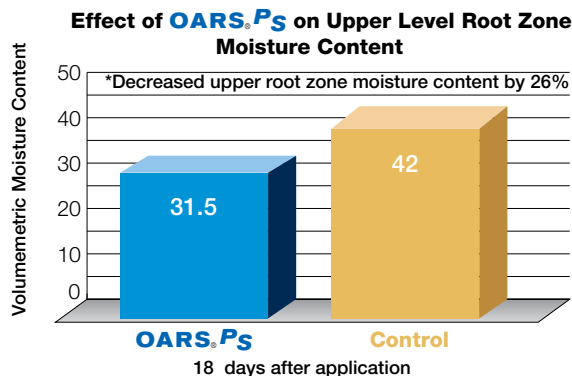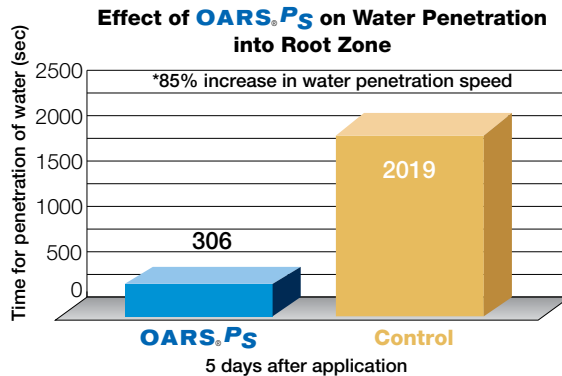**Uniform Water Movement with Organic Acid Redistribution System**

OARS PS

Soil Penetrating Surfactant

OARS PS, Soil Penetrating Surfactant, is a combination of the university researched, field proven, and patented organic acid redistribution system (OARS) with a multi-branched penetrant chemistry. **OARS PS** controls soil water repellency while providing uniform soil moisture for a longer period of time.

- Removes humic coatings from hydrophobic soil particles
- Controls soil water repellency
- Provides superior soil moisture uniformity
- Increased length of activity in soil
- Improves water management efficiency
- Increases penetration of water
- Provides firm, fast surfaces
- Money back guarantee

COMPOSITION

OARS PS, Soil Penetrating Surfactant, is a non-toxic, biodegradable formulation of multi-branched surfactants and wetting agents and a humic acid solubilizing component.

Active Ingredients:
85.0% Hexahydroxy polyoxyalkylene polymers
 7.5% Amine salt of alkly substituted maleic acid

OARS PS, Soil Penetrating Surfactant, is available in 55, 30 and 2.5 gallon recyclable containers.*

*Check with your distributor for availability.

APPLICATION RATES

Golf, Lawns, and Sports Turf
Apply 4 to 5 ounces per 1,000 ft^2 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, difficult to manage areas will respond best by applying 2 to 2.5 ounces per 1,000 ft^2 in 2 gallons of water (6 to 8 L/ha in 800 L) at 15 day intervals or as needed.

For increased surface firmness, apply 6 to 8 ounces per 1,000 ft^2 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 PS** to the soil profile - 1/8 inch (3 mm) or more recommended.

Effect of OARS PS on Water Penetration into Root Zone

*85% increase in water penetration speed

Time for penetration of water (sec): OARS PS = 306, Control = 2019

5 days after application

Effect of OARS PS on Upper Level Root Zone Moisture Content

*Decreased upper root zone moisture content by 26%

Volumemetric Moisture Content: OARS PS = 31.5, Control = 42

18 days after application

AQUA·AID

SOLUTIONS

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