

*PATENTED • MULTI-BRANCHED  
REGENERATIONAL*



## *Multi-Branched Long-Term Surfactant*

Research shows **PBS150**<sup>®</sup> to provide up to 30% water savings.

**PBS150** provides 6 to 8 times the number of active contact sites over leading surfactants.

Use less ounces of **PBS150** on the ground with greater efficacy over a longer duration.



## Multi-Branched Long-Term Surfactant

PBS150 is a long-term surfactant utilizing a unique multi-branched molecular structure to address the source of performance loss – biodegradation of the surfactant molecule by soil microbes. PBS150 sustains a longer uniform soil moisture profile.

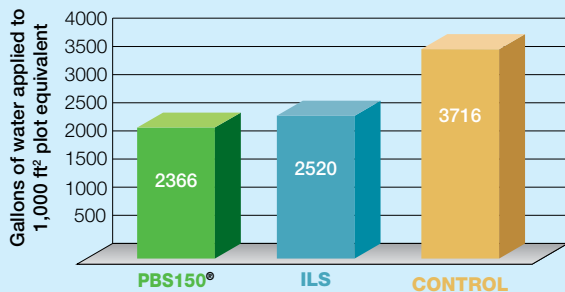
The ability of PBS150 to improve the uniformity of soil moisture for turfgrass offers the turfgrass manager a highly flexible surfactant system from which to address these two critical periods of successful turfgrass management -- Heat and Water Stress and Turfgrass Recovery.

### WHAT TO EXPECT

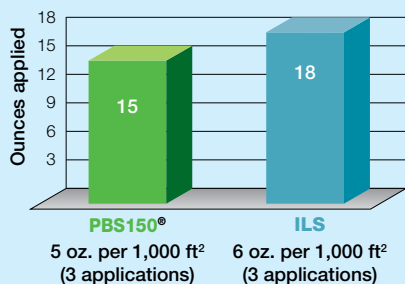
- Reduces hydrophobic conditions on a sustainable basis
- Encourages a pattern of hydration and re-hydration that improves the amount of available water in the soil profile to meet the metabolic demands of the plant
- Restores the uniform movement of water into and through the soil profile
- Promotes improvement in turfgrass quality, color, and uniformity
- Improves stress tolerance

#### Effect of PBS150® on Soil Volumetric Water Content (VWC) versus an Industry Leading Surfactant (ILS)

6% Water Savings over ILS with 16% Less Applied Product  
36% Water Savings over Control



Water applied over eight weeks to maintain 35% VWC



\* Trials performed by Penn State University in 2016

### COMPOSITION

100% Polyoxyalkylene polymers

### APPLICATION INSTRUCTIONS

#### Fairways, Tees, and Sports Turf

##### 100 Day Moisture Management

Apply two applications 15 days apart at 5 ounces per 1,000 ft² in 2 gallons of water (16 L/ha in 800 L). Reapply 90 to 100 days after last treatment or as needed.

##### 150 Day Moisture Management

Apply three applications 15 days apart at 5 ounces per 1,000 ft² in 2 gallons of water (16 L/ha in 800 L). Reapply 120 to 150 days after last treatment or as needed.

#### Bunker Faces, Collars, Roughs, and Lawns

Apply two applications 7 to 10 days apart at 8 ounces per 1,000 ft² in 2 gallons of water (25 L/ha in 800 L). Reapply after 120 to 150 days or as needed.

Irrigate with sufficient water to deliver PBS150 to the soil profile – 1/8 inch (3 mm) or more recommended.

### BEST PRACTICES

- Apply PBS150 within label rates to ensure efficacy is achieved.
- Begin using PBS150 early in the growing season before water repellency and LDS conditions are apparent.
- Best results are achieved when PBS150 is used as a full season program and not when signs and symptoms of water repellency and turfgrass stress appear.
- When making an PBS150 application with a sprayer, utilize a minimum 2 gallons per 1,000 ft² water carrier.
- PBS150 has a neutral pH allowing it to be easily tank mixed. It is still important to perform a jar test to confirm compatibility.