

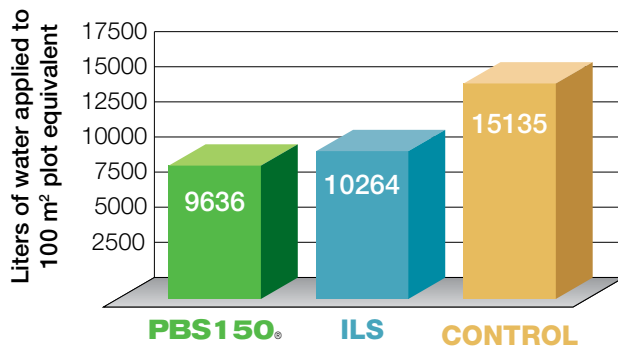
PBS150[®]

**POLYFUNCTIONAL
BRANCHED SURFACTANT**

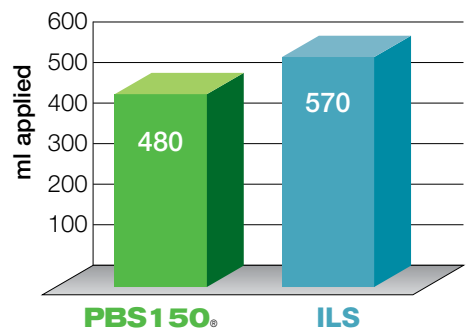
Multi-Branched Sustains A Longer Uniform Soil Moisture Profile

**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



160 ml per 100 m² (3 applications) 190 ml per 100 m² (3 applications)

* Trials performed by Penn State University in 2016

REGISTRATION NUMBER 2011030A FERTILIZERS ACT



PBS150[®]

**POLYFUNCTIONAL
BRANCHED 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.

A uniform supply of water within the soil profile is critical during heat and water stress periods to meet the transpirational demands of the plant. Equally important, is the need for a uniform supply of water to turfgrass roots during a period of recovery and repair. Without a sustained supply of water, the turfgrass plant will be unable to rebuild its root system and carbohydrate (sugar) reserves (needed to survive dormancy and for subsequent new growth requirements).

The ability of **PBS150** to improve the uniform soil moisture status of 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.

- 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
- Money back guarantee

COMPOSITION

PBS150 Polyfunctional Multi-Branched Soil Surfactant is non-toxic, non-flammable, non-corrosive and biodegradable.

Active Ingredients:

95% Polyoxyalkylene polymers

PBS150 Multi-Branched Soil Surfactant is available in 55 and 2.5 gallon recyclable containers.*

*Check with your distributor for availability.

APPLICATION RATES

Fairways, Tees, and Sports Turf

100 Day Moisture Management: Apply two applications 15 days apart at 5 ounces in 2 US gallons of water per 1,000 ft² (160 ml in 8 L per 100 m²). Reapply 90 to 100 days after last treatment or as needed.

150 Day Moisture Management: Apply three applications 15 days apart at 5 ounces in 2 US gallons of water per 1,000 ft² (160 ml in 8 L per 100 m²). 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 in 2 US gallons of water per 1,000 ft² (250 ml in 8 L per 100 m²). 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.



AQUA·AID
SOLUTIONS

5484 S. Old Carriage Road
Rocky Mount, NC 27803