

*NEXT GENERATION • POTENTIATED
RESEARCH BACKED*

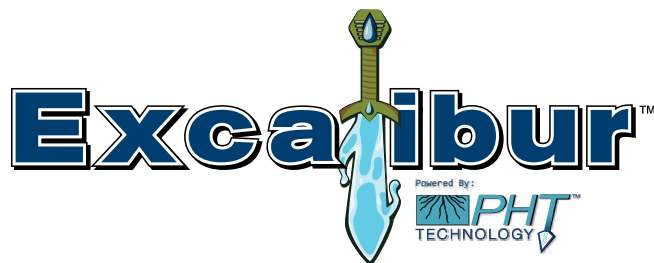


Infiltration - Hydrating Surfactant

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Excalibur helps achieve consistent hydration as well as superior rehydration.

The unique infiltration-rehydration characteristics of *Excalibur* will provide unparalleled soil moisture responsiveness.



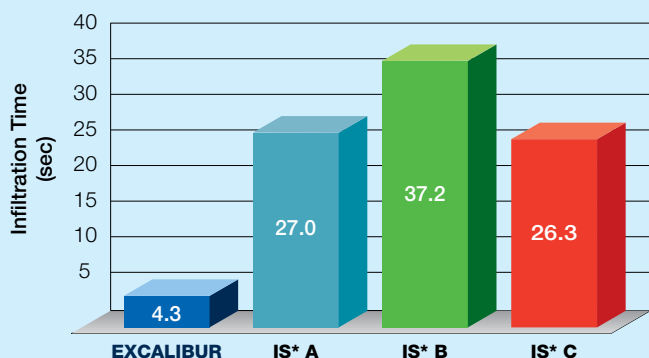
Infiltration - Hydrating Surfactant

Excalibur is a next generation rapid response soil surfactant that delivers rapid infiltration and consistent dry-down. Excalibur helps achieve consistent hydration as well as superior rehydration. The unique infiltration-rehydration characteristics of Excalibur will provide unparalleled soil moisture responsiveness. When used as directed, Excalibur is safe to turf and can be applied at any time of the year to substantially improve turfgrass quality and resistance to stress. Excalibur is easy to apply through standard spray application equipment to all turfgrass areas.

WHAT TO EXPECT

- Enhances adsorption to hydrophobic particles provides consistent dry-down and soil hydration
- Radically increases the infiltration of water
- Potentiated chemistry sets a NEW standard for management of environmental stresses
- Provides resilient, high-quality, consistent turfgrass
- Effective at significantly lower use rates than competing products

Effects of Excalibur™ on Infiltration Time



Mean of three replicate tests of a 8,000 ppm solution on naturally occurring water repellent sand (WDPT>3600 s)

* Industry Surfactant

COMPOSITION

- 45% Alkoxylated ethylene oxide-propylene oxide adducts
- 45% Non-ionic polyols
- 10% Inert Ingredients

APPLICATION INSTRUCTIONS

Golf, Lawns, and Sports Turf

Apply an initial application of 4 ounces per 1,000 ft² in 2 gallons of water (13 L/ha in 800 L).

30 Day Intervals

Apply 3 to 4 ounces per 1,000 ft² in 2 gallons of water (10 to 13 L/ha in 800 L).

15 Day Intervals

Apply 1.5 to 2 ounces per 1,000 ft² in 2 gallons of water (5 to 6.5 L/ha in 800 L).

Curative

Apply 4 ounces per 1000 ft² in 2 gallons of water (13 L/ha in 800 L) at 7 day intervals until conditions resolve.

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

BEST PRACTICES

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