

## Concentrated Wetting and Penetrating Agent for Turfgrass

**RESPOND 5** is an advanced surfactant system designed with five separate surfactant chemistries. This unique design delivers multiple performance characteristics all in one product. The use of multiple proprietary surfactant chemistries delivers a highly versatile product that will work under a wide variety of environmental and soil moisture conditions while performing a multitude of surfactant and water conditioning functions. In addition to compounds that have excellent soil surfactant properties, **Respond 5** also has surfactant technologies that resist microbial degradation to enhance performance, acidified detergent compounds to reduce hydrophobic conditions, moisture-holding polymers, and exceptionally strong surface-active compounds to reduce surface tension and enhance infiltration.

The 5-component system was developed to deliver the following functionality:

- Uniform distribution of moisture and irrigation efficiency
- Reduction of LDS and hydrophobicity
- Rapid and thorough rewetting
- Retention of root zone moisture
- Tank mix conditioner (especially effective in hard water situations or when pesticides are added to the spray tank)
- Reduced risk of phytotoxicity

### Comparative Analysis vs. Market Leading Competitive Soil Surfactant

**Draves Wetting:** this measurement is a standardized test that evaluates the time it takes to wet a hydrophobic fabric at a specific concentration in water. The lower the time, the stronger wetting characteristics of the surfactant.



**Respond 5**



**Competitor**

**Hydrophobic Soil "Straw Test":** this measurement evaluates the wetting time of a column of hydrophobic soil that has been baked in a kiln and treated with a hydrophobic coating.



**Respond 5**



**Competitor**

**Hydrophobic Soil "Rewet Test":** this measurement evaluates the rehydration time of the hydrophobic soil used in the "Straw Test."



**Respond 5**



**Competitor**