

# RESPOND<sup>®</sup>3

## Superior Water Management

- Liquid and Granular Available
- Technologically Advanced Formulations
- Improved Re-wetting Agent
- Superior Penetrant
- Concentrated Spreader

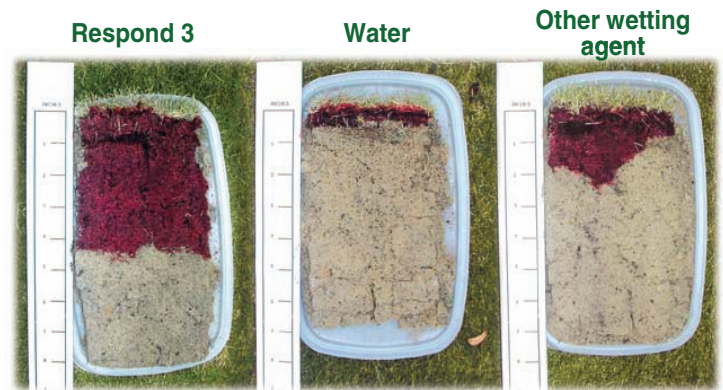


# RESPOND<sup>3</sup>

**Gets water down to the root zone where turf quality is most affected**

**RESPOND<sup>3</sup>** Concentrated Wetting and Penetrating Agent is effective due to its three-in-one mode of action – it contains a **superior soil penetrant**, a **more concentrated wetting/spreading agent** plus an **improved re-wetting agent**. This combination gives **RESPOND<sup>3</sup>** the advantage over other products, providing improved water flow through the water repellent surface, faster removal of surface water into the root zone and long lasting effect on the soil. **RESPOND<sup>3</sup>** contains 100% active ingredients.

**RESPOND<sup>3</sup>** binds to the organic materials in the turf profile. These organic materials are responsible for creating the hydrophobic nature of localized dry spot. Better water penetration and retention is critical to allow:



It is the advanced penetrating agent in **RESPOND<sup>3</sup>** that improves performance in the entire turf profile. It ensures uniform wetting throughout the root zone, not just in the surface and thatch layers.

## Healthier Turf with Superior Water Management:

- Improved root growth and vigor
- The ability to optimize the use of water
- Reduced evaporation and water run-off
- Improved drainage that helps avoid water logging and puddling

## **RESPOND<sup>3</sup>** Benefit to the Environment




- Does not affect soil microbes or other soil life that help promote a healthy root zone

## Key Features

- Healthier turf
- Increased depth of water penetration – favours deeper rooting grasses and increases rooting depth
- Superior water management in periods of drought stress as well as excessive moisture
- More uniform water distribution and retention, promotes better drainage and avoids puddling
- Delivers improved turf color
- Greater flexibility of application – tank mixing, timing etc
- Water works in more evenly avoiding puddling and helps with drainage
- Reduction in localized dry spot and compaction for a more even playing surface and healthier turf



- Unique **BIODAC** (recycled newspaper) carrier enhances the effectiveness even in hot dry conditions
- The key is to ***apply enough water during initial irrigation to move the product to the desired root zone for maximizing benefits in re-wetting capabilities***
- SGN sizing 12/20
- Resists mower pick-up
- Excellent distribution pattern
- Use as a preventative or curative application program on greens, tees, and fairways
- Suited for spot treatments and difficult areas such as bunker surrounds
- May be applied using standard granular spreaders

Managed Application Program 		
 Rate per 100 m <sup>2</sup>	Timing	Watering In
1.5 Kg	2 applications at 14 day intervals in early season	0 to 18 hours after application
Followed by 1.125 Kg	Repeat monthly as needed	0 to 18 hours after application
Intensive Split Dose Application - 		
2.25 Kg	Early Season	2.25 Kg rate essential immediately after application
1.125-1.5 Kg	Mid-season application	1.125 Kg rate 0 to 18 hours after application



For additional information on **RESPOND3** or  
 visit **[www.uap.ca](http://www.uap.ca)**  
 or contact your local distributor

Ontario and the Maritimes: 1-800-265-5444  
 Quebec: 1-800-361-9369  
 West: 1-800-561-5444  
 British Columbia: 604-534-8815



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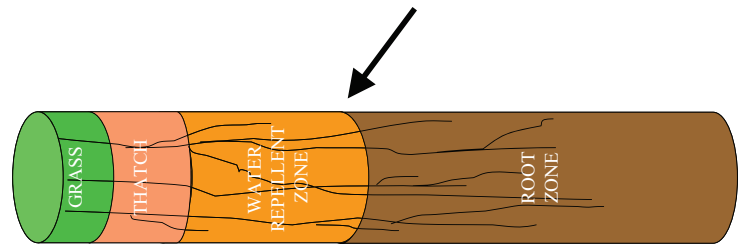
## THE CAUSES AND EFFECTS OF Water-Repellent Soils

There are several challenging conditions that can result in water repellent turf. These include

- Localized dry spot
- Drought stress
- High traffic areas
- Thatch build up
- Uneven areas
- Slopes
- Damaged areas caused by tree roots
- Damaged areas caused by mower scalping

A few of these conditions can be treated mechanically, but the majority requires water management tools to reduce their severity. More importantly, understanding their causes and effects will help you select the management practice and products that will produce the most effective results.

Water needs to penetrate through both the thatch and hydrophobic zones



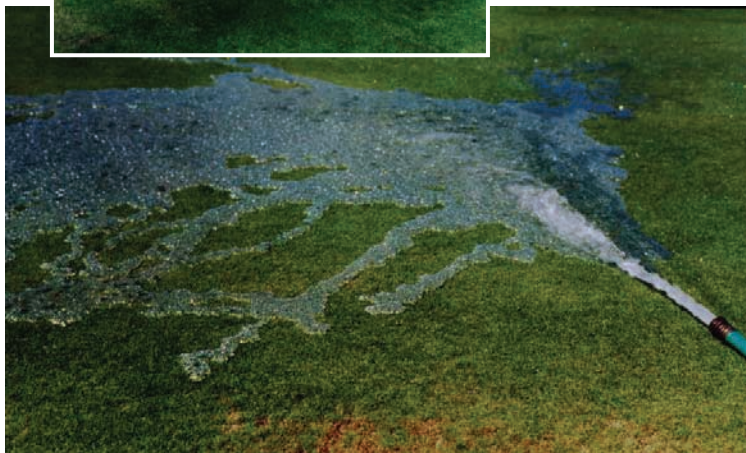
## RESPOND3 Liquid

- For use as a preventative or curative application
- The key is to **apply enough water during initial irrigation to move the product to the desired root zone for maximizing benefits in re-wetting capabilities**
- Apply routinely as part of a monthly managed program or as a split dose intensive treatment
- For application to greens, fine turf, and other turf areas with conventional spraying equipment

## APPLICATION PROGRAMS

For Golf course application – golf greens, tees and fairways.

### LOCALIZED DRY SPOT



### Managed Application Program

RESPOND3 Rate/100m <sup>2</sup>	Timing	Water Volume/100 m <sup>2</sup>	Watering In
120 mL	2 applications at 14 day intervals in early season	7.5-15 L*	0 to 18 hours after application
Followed by 90 mL	Repeat monthly as necessary	7.5 L	0 to 18 hours after application

### Intensive Split dose Application Program

180 mL	Early season application	180 mL in 30 L	180 mL rate – Essential immediately after application
Followed by 90-180 mL	Mid season application	90 mL in 7.5- 15 L*	90 mL rate – 0 to 18 hours after application

\* Use the higher rate when turf is under stress