

# GUARDIAN™

NON-IONIC SOIL WETTING AGENT

## Designed to increase water use efficiency

### Principal Functioning Agent:

Proprietary Blend of Nonionic Surfactant with Block Copolymers,  
Alcohol Ethoxylate Surfactants, Succinate Derivative, Combined  
with Anti-foam Agent .....100%

Soil Surfactant for Golf, Landscape and Lawn Care markets.

## CAUTION

### Keep Out Of Reach Of Children

FIRST AID	
<b>INGEST:</b>	Give a large amount of water to drink, make the person vomit and immediately call Physician. Do not induce vomiting or give anything by mouth to an unconscious person.
<b>EYE CONTACT:</b>	Immediately flush eyes with large amount of water for at least 15 minutes. DO NOT RUB EYES. If eye irritation persists, seek medical attention.
<b>SKIN CONTACT:</b>	Remove contaminated clothing and wash contacted clothing and wash contacted area with flowing water. Launder clothing before re-use.

This product may cause temporary skin or eye irritation.



### **General Information:**

Guardian™ is a non-ionic soil wetting agent that can be applied on soil surface, actively growing or dormant turf through ground application equipment, a hand held applicator system or injected through an irrigation system.

Guardian when applied to golf course fairways, greens, tees, commercial turf, athletic fields, residential turf and landscape areas will offer the following benefits.

1. improves infiltration without harming sensitive roots,
2. provides even wetting to better utilize irrigated water or rainfall,
3. creates water movement throughout the soil profile preventing dry or hydrophobic conditions,
4. breaks water tension between soil particles, improving nutrient movement in the soil profile,
5. allows air to move into the root zones when the water moves freely from the surface.
6. relieve puddles by aiding the passage of excessive water through the soil profile

### **Direction For Use:**

Guardian Soil Surfactant can be applied with a hose-end system, hydraulic sprayers or injected into the irrigation system. The product flows freely through any application equipment. Guardian can be applied as a tank-mix with insecticides, fungicides or herbicides. Thoroughly clean sprayer system before using Guardian on any turf areas.

Do not apply Guardian with liquid fertilizer without testing the fertilizer solution for burning. Guardian can be applied with Harness™ or Regal LiquiGreen® as a nitrogen source to avoid burning.

### **Mixing With Water:**

Fill spray tank with desired amount of water per surface. Add recommended amount of Guardian for the desired surface area. Foaming should subside when filling, but Regal Foam-X® may be used to cut the foam before spraying Guardian on turf.

### **Golf Greens:**

Make monthly application of 6-10 oz. per 1,000 sq. ft. in sufficient water for thorough coverage. Irrigate slightly to allow Guardian to make contact with the soil surface, where the problems exist. This will allow the water to move freely into the soil profile while moving nutrients for healthier turf throughout the soil profile.

Guardian works as a preventive or curative application for local or widely distributed dry spots. Best when applied as a preventative treatment, before localized dry spots become a problem.

### **Fairways:**

Tank mix 2 gallons of Guardian per 50-100 gallons of water. Apply Guardian at the rate of 1 gallon per acre. Guardian can be applied when dry conditions effect water movement through the soil. Water movement in the soil is key to maximizing the water use efficiencies during prolonged dry or drought conditions.

### **Irrigation Use:**

Guardian applied through an irrigation system improves water infiltration on golf tees, fairways or commercial and residential turf. This improves water movement while saving water and water costs during hot, dry and peak water demand periods.

Inject 1-2 gallons per acre of Guardian into a water volume sufficient to treat the area. Do not inject fertilizers, other than Harness or Regal LiquiGreen, while injecting Guardian through the irrigation system.

### **Lawn Care and Commercial Turf:**

Apply 6-10 oz. per 1,000 sq. ft. monthly or as often as needed to reduce localized dry spots. Water briefly after application of Guardian to immediately improve the movement of water into the surface of the soil.

Guardian will improve the water movement in the soil and up through the turf to avoid early wilting. Less overall water is needed when using this product.

### **Landscape Use:**

Apply 10-20 oz. per 1,000 sq. ft. before mulching, after planting or to the soil around established plantings to facilitate water movement through the soils. Make the application during late spring or early summer. Make up to two applications per season.

### **Limited Warranty and Conditions of Sale:**

Seller warrants only that this material conforms to the chemical description on the label and is reasonably fit for use when used strictly as directed hereon under normal conditions for use. Buyer and user acknowledge and assume all risk and liability resulting from use of the material.



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