

# SopHtner95™

## The In-Crop pH Reducer and Water Softener

### WHAT IS IT?

- > SopHtner95™ is a soil and water pH conditioner.
- > It controls algae and buffers the tank mix spraying solution.
- > SopHtner95™ is formulated using naturally-occurring organic acids and represents an environmentally sound management tool for lowering alkaline soil conditions.
- > It is safer for in-crop use where acidic conditions are required for better efficacy.
- > Acts as a weak chelator improving the efficiency of uptake through the leaves.

### WHEN & WHY USE IT?

- > Hard water often has high pH due to the level of carbonate it contains. The continuous application of high pH water tends to increase the pH of the soil.
- > Many herbicides and fungicides require an acidic solution for better efficacy.
- > By adding SopHtner95™, hardness of the water can be lowered, which reduces the possibility of soil pH raise.
- > SopHtner95™ is a pH reducer designed for soil and water applications, where the pH needs to be lowered into a more acidic range.
- > Non-Exhaustive List of herbicides often affected in the efficacy of water hardness: 2,4D Amine, Amitrole, Atrazine, Bentazone, Clethodin, Dicamba, Endothal, Fluazifop, Glufosinate Ammonium, Glyphosate, Imazamox, Imazapyr, Imazethapyr, MCPA Amine, Metsulfuron-Methyl, Paraquat, Picloram, Quizalofop, Sethoxydim and Trakoxydim.

### WHAT TO EXPECT?

- > SopHtner95™ reduces the pH of the water and conditions the soil for turf, trees and ornamentals and greenhouse soil mixes.
- > The product is safer for use in-crop and to the users more than other pH reducers such as sulfuric acid and ammonium sulfate.
- > When adding SopHtner95™ to a mixture containing micronutrients, part of these elements can be chelated and made more available to the crop.



## Application Guidelines



### WARM & COOL SEASON TURF:

Apply at 60 - 180 ml in a minimum of 2 US gal water per 1,000 sq. ft (60 - 180 ml per 100 sq meter).

SopHtner™ should be applied monthly. The ideal pH range is 6.0 - 6.5.

### TREES & ORNAMENTALS:

Soil Drench: 1 L per 100 US gal of tank mix (250 ml per 100 L water).

Repeat the application every 30 days or as needed. The ideal pH range 5.0 - 6.5.

### GREENHOUSE GROWING MEDIA:

Mix 120 - 180 ml per 1 US gal of water (120 - 180 ml per 4 L water).

If pH is not sufficiently lowered, continue to adjust pH over several waterings at a rate of 60 - 120 ml per US gal of water.

### HAND WATERING:

Mix ½ - ¾ teaspoon per US gal of water.

Saturate soil with solution.

### ALL FIELD CROPS:

Apply 100 ml per 10 US gal spray volume.

The product is available in 10 L jugs, 450 L and 1000 L IBC's.

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