

AquaSmart

Aqua-pHioTM

A natural
solution to
irrigation water
of poor quality
and high pH.
Helps minimize
scale formation
in lines and
emitters.



AquaSmart

Aqua-pHLo™

AQUA-PHLO ORGANIC ACID is a modified organic acid derived from Lignin, a natural and renewable raw material that contains organic carbon and sugars. It acidifies irrigation water; improves water penetration; helps free up bound nutrients in alkaline soil and supplies carbon to soil micro-organisms.

BENEFITS OF USING Aqua-pHLo

- Optimizes soil and irrigation water pH
- Dissolves bicarbonates releasing valuable nutrients into the soil
- Acts as a nutrient complexing agent
- Adds carbon to soils to stimulate microbial activity
- Increases irrigation efficiencies
- Minimizes scale formation in irrigation lines

MANAGING HIGH pH SOILS and IRRIGATION WATER

Maintaining the correct pH of your soil is one of the most important maintenance practices in your turf management program. A soil pH that is too high can, among other things, result in inefficient use of fertilizer, contribute to thatch build up, and can lead to increased pest problems.

Most recycled and /or grey irrigation water is highly alkaline and will contain significant levels of carbonate and bicarbonates. This can have the effect, over time, of increasing the pH of soils. High bicarbonate levels in irrigation and soil water locks up essential plant nutrients, such as calcium and magnesium, making them unavailable for plant uptake. In extreme cases phosphates are less available, and iron chlorosis can occur.

Injecting Aqua-pHLo to pre treat irrigation water will convert insoluble carbonates and bicarbonates to highly soluble salts releasing those essential nutrients necessary for plant growth and vigour. Aqua-pHLo will also act as a complexing agent for soil nutrients, maintaining them in forms that are more readily available to the plant.

OTHER BENEFITS OF USING Aqua-pHLo

- Contains OMRI listed ingredients
- It is non- toxic or corrosive and is safe to handle
- It will not harm the environment

COMPOSITION

Aqua-phlo is a combination of a modified organic acid derived from lignin and a non-toxic, non-ionic, biodegradable water based formulation of surfactants and wetting agents.

Active Ingredients:

41.0% Calcium lignosulfonate
3.5% Non-ionic polyols
55.5% Inert ingredients

Aqua-phlo is available in pack sizes of
4 x 5lts cartons, 200lt drums + 1000 lts IBC's

APPLICATION RATES

Greens, Tees, Fairways, Lawns and Sports Turf

Tank mix 10 to 15 litres per hectare at 7 to 14 day intervals throughout the growing season.

Inject 10 to 15 litres per hectare at 7 to 14 day intervals throughout the growing season.

DO NOT combine Aqua pHLo in the spray tank with pesticides or fertilisers unless prior use has shown the combination physically compatible, effective and non-injurious under local conditions.

Distributed by:



Aquasmart Science and Technologies Ltd
S Norfolk Centre for Innovation,
United Kingdom
Aqua-Science.com