

# AQUAMAX™

## BIO-CATALYTIC IRRIGATION LINE CLEANER, WATER & SOIL CONDITIONER



### WHAT IS AQUAMAX™?

Aquamax™ is a synergistic complex of Organocatalyst Technology, Non-Ionic Surfactants, Penetrants & Fulvic Acid. Organocatalyst's are not enzymes, though they may perform a similar role but are not limited by environmental conditions as enzymes are (pH, DO, EC & Temperature).

Aquamax™ initiates a catalytic breakdown of the bio-films/slime (polysaccharide links), in irrigation systems, and as a result of this remove the glue and therefore any ability for minerals, fertilisers and or dirt to form or build up, they just continue as soluble ions through the line into the soil. It moves water h

The organic catalysis mechanism aided by a unique micro-bubble feature converts bio-film/slime into a soluble liquid for rapid microbe consumption. Whilst not an oxidizing agent, the microbubble's transfer available oxygen to biological and chemical oxidation processes.

It lowers the surface tension of the water to allow the water to penetrate "hard to wet soils" both horizontally and vertically while flushing excess salts from the root zone.

The systemic effect of the mechanisms of each ingredient leads to a non-toxic, high dissolved oxygen (DO), odour free, clean irrigation lines, and water entering soil or potting medium. It increases soil water storage, flushes excess salts, increases nutrient uptake, provides highly effective chelation of many plant nutrients & increases plant metabolic processes. It is totally safe for staff and reduces cleaning and maintenance.

Aquamax™ is a revolutionary breakthrough in water and soil treatment, enhances the microbial health of soils, and supports optimum plant growth, through improving the nutrient and water uptake of your plants.

### BENEFITS:

- Removes anaerobic slime growth in water lines and soils
- Reduces scale and iron deposits in water lines
- Enhances gas transfer of oxygen
- Promotes aerobic soil conditions and the health of soil microbiology
- Facilitates greater water penetration, percolation throughout the soil layers
- Improves water banking and retention
- Increases the soil's ability to release nutrients & it flushes excess salts
- Decreases plant physiological stress.
- Improves plant growth and yields

### GUARANTEED ANALYSIS:

Organocatalyst - Fermentation supernatant:	2% 20 g/L
Fulvic Acid - as Fulvate:	0.64% 6.4 g/L
Non-ionic surfactants/penetrants:	
Tergitol 15-s-9 and 15-s-7:	0.9% 9.0 g/L
Polyoxypropylene – polyethylene:	1.25% 12.5 g/L



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### PRODUCT SPECIFICATIONS:

**Aquamax™** is nontoxic, noncaustic, and safe to handle.

- Recommended Shelf Life: 2 years.
- Storage Temperatures: Minimum 2°C, Maximum 50°C. Not in direct sunlight.
- Product pH: Full Strength Concentrate 3.9-- 4.3
- Density: (Water= 1) 1.002 @ 20° c 1 20°c
- Water Solubility: 100%

### APPLICATION GUIDE:

Apply through all irrigation and hydroponic systems. **Apply for the full irrigation set.**

#### LINE CLEANING (FIRST APPLICATION)

**30ppm** if seasonally cleaned lines and reasonable water quality

**50ppm** if lines have not been cleaned for several seasons and/or poor water quality (Discuss with company representative individual requirements). *Soil aeration will occur for a short period on these one off line cleaning processes, but for longer term soil benefits the below rates are recommended.*

#### LINE MAINTENANCE & SOIL APPLICATION (AFTER FIRST APPLICATION)

**10 - 20ppm** per watering for the remainder of the growing season or minimum treatment of 2 mega litres/ha of your total season/crop irrigation water. On crops that use more than 2 mega litres per season treatment of the first 2 mega litres/ha of irrigation water applied is recommended.

(Discuss with company representative application timing)

### PACKAGE SIZE AND WEIGHTS:

VOLUME	NET WEIGHT	GROSS WEIGHT
1000 L	1060.0 kg	1160.0 kg
200 L	212.0 kg	224.0 kg
20 L	21.2 kg	23.2 kg

### MIXING INSTRUCTIONS:

1. Dose directly into irrigation line or holding tank
2. Set dosing pump at the correct rate.
3. Apply for the entire irrigation set.
4. If apply in holding tank we can also assist you to add additional aeration for higher dissolved oxygen water.

### COMPATIBILITY:

Product may be compatible with fertilisers, herbicides, and fungicides. Jar test before use. Please be aware that physical compatibility does not guarantee product efficacy.

YOUR LOCAL DISTRIBUTOR IS:

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**ADVANCED NUTRIENTS®**

