Your Sustainability Partner

AquaMate®

ORGANOCATALYTIC IRRIGATION LINE CLEANER, WATER CONDITIONER

WHAT IS AQUAMATE®?

AquaMate® is a novel liquid formulated using patented organocatalyst's, and organic surfactants. 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).

AquaMate® initiates a catalytic breakdown of the bio-films/slime (polysaccharide links), in irrigation systems. Removing blockages and keeps minerals soluble in water.

The organocatalyst mechanism reduces the surface tension of water and increase oxygen transfer through a micro-bubble feature converts bio-film/slime into simple sugars. Whilst not a hazardous oxidizing agent, the microbubble's transfer available oxygen to biological and chemical oxidation processes. **It is totally safe for staff, animals and reduces cleaning and maintenance.**

The combined effect of the mechanisms leads to a non-toxic, high dissolved oxygen (DO), odour free, clean irrigation lines, and water use efficiency (WUE).

BENEFITS

- Removes anaerobic bio-film/slime growth in water lines
- Reduces mineral deposits in water lines
- Increases water use efficiency (WUE)
- Enhances gas transfer of oxygen
- Promotes aerobic soil conditions and the health of soil microbiology
- Decreases plant physiological stress
- Improves plant growth and yields
- Completely non-hazardous and non-dangerous

GUARANTEED ANALYSIS

Organocatalyst	24%	240 g/L
Organic Surfactants	2.0%	20g/L

Recommended shelf life	2 years
Storage temperatures	4°C - 50°C. Not in direct sunlight
Product pH	Full strength concentrate 3.0 - 4.0
Specific Gravity:	1.05 @ 20°C
Water solubility	100%

AquaMate®

APPLICATION GUIDE

Apply through all irrigation and hydroponic systems. **Apply at a maximum of 20ppm and a minimum of 10ppm. AquaMate® provides a comprehensive and ecological solution for:**

DIRECT EFFECTS

- Cleaning and maintenance of irrigation lines and systems (removing biofilm, scaling)
- Increases dissolved oxygen of water and aerates soils
- Improves water penetration and dispersion in soils, assists in removing excess sodium

INDIRECT EFFECTS

- Improves soil aerobic microbe activity (nutrient cycling, soil formation, pathogen suppression)
- Improves water and nutrient uptake of plants (efficiency to maximise yield potential)

LINE CLEANING (FIRST APPLICATION)

- **20ppm** if lines have not been cleaned for several seasons and/or poor water quality (Discuss with company representative for individual requirements)

LINE MAINTENANCE (AFTER FIRST APPLICATION)

- 10ppm per watering for the remainder of the growing season or minimum treatment of 3 mega litres/ha of your total season/crop irrigation water (discuss with company representative for application timing)

MIXING INSTRUCTIONS

1. Dose directly into irrigation line or holding tank.
2. Can be injected prior to filters to keep filters, and for a complete systematic clean
3. Set dosing pump at the correct rate.
4. Apply for the entire irrigation set
5. Can be applied with fertilisers
6. If apply in holding tak we can also assist you to add additional aeraion for higher dissolved oxygen water.

COMPATIBILITY:

Product may be compatible with fertilisers, please check with the manufacturer. Please be aware that compatability does not guarantee product efficacy.
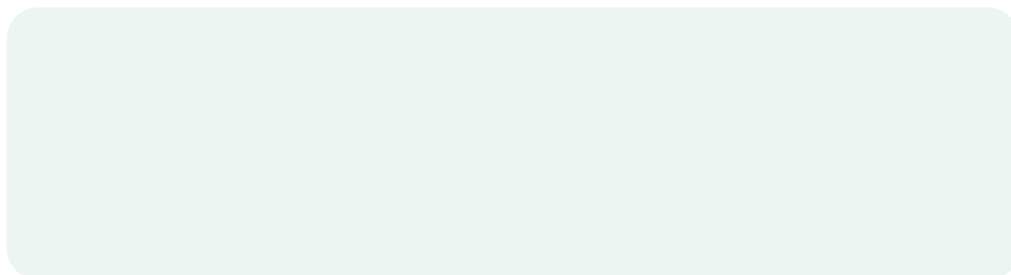
PACKAGE SIZES AND WEIGHTS

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

CONDITIONS OF SALE

These goods are manufactured and tested to specific standards and are sold in good faith, however, no guarantee is given as conditions and methods under which they are used are beyond the control of Advanced Nutrients Pty Ltd. Before using, user should determine the suitability of the product for his or her intended use and user assumes the risk and liability in connection therewith.

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