

WELCOME TO THE WORLD OF MICRO AND ULTRA-FINE BUBBLES (MB/UFB)

## OPTIMIZING WATER QUALITY

RACOXYG

"THE ULTIMATE SUSTAINABLE GLOBAL DISSOLVED OXYGEN SOLUTION FOR WATER"

## GREAT RESULTS WITH MB/UFB TECHNOLOGY CHEMICAL-FREE



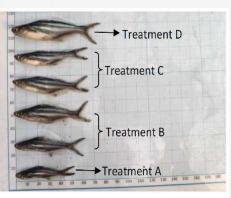
Spinach

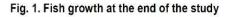
Basil

with High DO Water



Lettuce







### NEW CLASSIFICATION OF BUBBLES ISO/TC 281 – Fine bubble technology

- EXTREMELY small gas bubbles that have several unique physical properties that make them very different from normal bubbles.
- MB/UFB generator creates bubble sizes of under 100 microns.
- The **bubbles can shrink down by surface-tension** from 50microns to 300 nano mm.
- The Micro and Ultrafine bubbles are very high in density and will therefore **rise very slowly** with some not rising to the surface.
- The net effect is that UFB will **remain suspended in water for months until they dissolve**, traveling randomly throughout the body of water and efficiently aerating the entire water column.

### SUPERIOR AERATION TECHNOLOGY

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# OUR MICRO & ULTRAFINE BUBBLE GENERATORS





VIPER 30 & how it works

1N-VIPER & In-Line unit

How small is Micro and Ultrafine bubbles?

## MB/UFB BENEFITS



#### Enhanced Water Quality Up 315% Dissolved Oxygen Improvement.

#### Improved NO3 nitrogen 2 000% Improvement.

Nutrient Availability 400% Improvement

pH Fluctuation Risks Little to None



Yield is affected by multiple variables that affect plant growth. One of the most important variables is water quality and dissolved oxygen levels. Ultra-Oxygen MB/UFB technology consistently increase yields across a variety of crops and cultivation methods. Leverage one of the most costeffective solutions to improve irrigation water quality and crop health. Reduce your reliance on chemical treatments or enhance their impact by supplementing with UO2-Micro and Ultrafine bubbles. Reduce your risk of crop loss. Improve root health, suppress pathogens, increase nutrient uptake efficiency, and enable crops to better withstand environmental stresses with UO2 oxygen-rich water.

HEINDRÉ RADEMAN"

### WHAT MAKES ULTRA-OXYGEN BUBBLES SO SPECIAL?

Micro and Ultrafine bubbles are not just any bubbles; they have a **charged surface that can perform electrochemistry** and **oxidative reactions**. It represents an **advanced aeration technology** that effectively oxygenates the entire water column, **offering** water treatment engineers and farmers the **unprecedented potential to attain remarkable outcomes**.

"IT IS ABSOLUTELY CRUCIAL FOR HUMANS TO MANAGE OXYGEN IN WATER TO ENSURE WE AS HUMANS CAN LIVE IN HARMONY WITH NATURE.

Y2

**ULTRA-OXYGEN** 

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OPTIMIZING WATER QUALITY FOR FARMERS "THE ULTIMATE SUSTAINABLE GLOBAL DISSOLVED OXYGEN SOLUTION FOR WATER"