DRYLET
helping nature do its job®

Drylet combines material science and microbiology to remediate and prevent algae blooms.

WHAT IS DRYLET'S AQUA ASSIST MARINE?

Aqua Assist Marine is a dry-to-the-touch engineered substrate formulated with patented Micro Bioreactor (MBR) porous particles seeded with mixed microbial cultures. Every pound of product provides about 700,000 square feet of area loaded with billions of beneficial microbes. These microbes are carefully selected to remediate eutrophication of surface waters and consequent algae infestation .

The product requires no mixing. It is easily applied at the site, preferably from a floating device to ensure even application across the surface.

NOTE:
Aqua Assist Marine contains no chemical ingredients and only Class 1, naturally occurring, non-GMO organisms.
It is safe for human, animal, and aquatic life.

HOW DOES AQUA ASSIST MARINE WORK?

Drylet's technology integrates and leverages biocatalytic activity by combining material science and microbiology. Once the product is applied, Drylet's particles provide the carefully selected bacteria they contain with the ideal environment to reproduce at significantly accelerated rates. The young, hungry microbes go on a food frenzy, successfully competing against algae, including cyanobacteria, for nutrients and displacing them eventually. Furthermore, the product contains microbes that are specifically selected for their ability to degrade microcystin.

The impact is twofold:

- **Microbiome enhancement causes cyanobacteria and other algae to be displaced**, as nutrients are consistently being cycled away from them;
- **Biodegradation of toxins restores water and air quality** to acceptable, even desirable, safety levels.

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AQUA ASSIST MARINE

Algae remediation steps

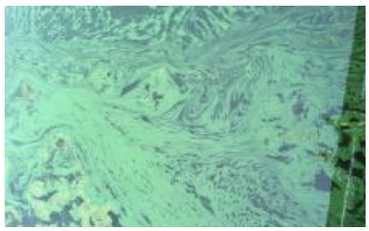
1- Identify precisely the type and nature of the issue.

2- Formulate the appropriate microbial consortium and dose product by surface application.

3- A "floating mat" of algae might form as microbes begin to displace the algae.

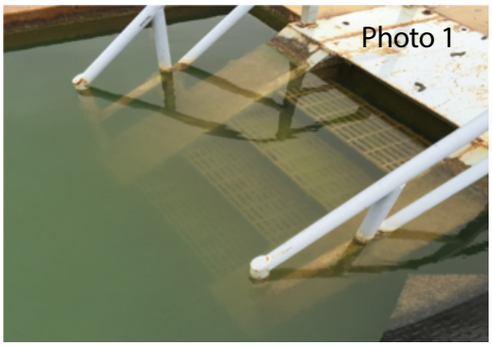
4- Eventually, the water is restored to pristine clarity.

5- The floating mass starts to die off, turning brown.



6- The floating mat breaks down further into a thin green slime.

Case study: Mammoth Lake Dive Park in Lake Jackson, Texas



- Nutrient run-off from nearby homes led to an algae bloom. (Photo 1)
- The bright green algae reduced visibility and led to health concerns.
- Drylet's Aqua Assist Marine was applied.
- Over less than 5 months, the algae problem was eliminated and visibility restored. (Photo 2)

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