

Aqua Clear™

A Biological Approach to Healthy Lakes & Ponds

AN EDUCATIONAL GUIDE TO AQUATIC BIOLOGY,
NUTRIENT CYCLING, ORGANIC MATTER DECOMPOSITION,
DISSOLVED OXYGEN, AND ECOSYSTEM RESTORATION

 Distributor/Dealer:

DISSOLVED
OXYGEN
(O₂)



BENEFICIAL MICROORGANISMS

Naturally occurring
bacteria and fungi
drive biological
processes.

ORGANIC MATTER DECOMPOSITION

Leaves, plants and
natural debris break
down, releasing
essential nutrients.



NUTRIENT CYCLING

Nutrients are
converted and
recycled naturally
in the ecosystem.

HEALTHY HABITAT

Supports fish,
insects, plants
and wildlife
diversity.



DID YOU KNOW?

Less than 10% of a healthy
lake's biological activity is
visible from the surface.

Most of the work that
supports water quality
occurs within the sediment
and microbial communities
below.

AQUA
CLEAR™
PUCKS

ORGANIC LAYER

MICROBIAL ACTIVE ZONE

MINERAL LAYER

HEALTHY SEDIMENT



AQUA CLEAR WITH BIOMENTUM™

BIOLOGICAL SLUDGE REDUCTION FOR CLEANER, HEALTHIER LAKES & PONDS

Aqua Clear with Biomentum introduces beneficial bacteria and enzymes that accelerate the natural breakdown of organic muck and sludge, improve nutrient cycling and restore water quality.



BEFORE AQUA CLEAR WITH BIOMENTUM

EXCESS NUTRIENTS & ORGANIC LOADING
FUEL ALGAE GROWTH

ALGAE BLOOM
ALGAE DIES &
PLANTS DECAY
ORGANIC MATTER
SETS TO BOTTOM

THICK MUCK & SLUDGE LAYER
Low Oxygen • Slow Decomposition
Nutrients Locked in Sediment
Poor Water Quality

MICROBIAL DIGESTION WITH AQUA CLEAR & BIOMENTUM



BENEFICIAL BACTERIA & ENZYMES
COLONIZE & DIGEST ORGANIC SLUDGE

ENZYMES BREAK DOWN
COMPLEX ORGANIC
MOLECULES
(proteins, carbs,
fats, fibers)

MICROBES CONVERT
ORGANIC MATTER
INTO SIMPLE
COMPOUNDS

MICROBIAL METABOLISM

CO₂
CARBON DIOXIDE

H₂O
WATER

MINERALIZED
NUTRIENTS

MICROBIAL
BIOMASS

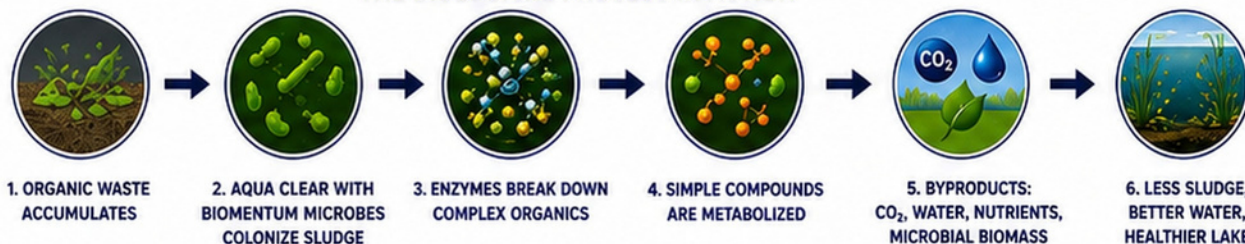
ORGANIC SLUDGE IS DIGESTED
LAYER THINS OVER TIME

AFTER AQUA CLEAR WITH BIOMENTUM

- ✓ CLEANER WATER
- ✓ LESS ALGAE
- ✓ HEALTHIER AQUATIC LIFE
- ✓ IMPROVED RECREATION

THIN, STABLE BOTTOM
Organic Matter Greatly Reduced
Nutrients Remain in Balance
Healthy, Sustainable Ecosystem

THE BIOLOGICAL PROCESS IN ACTION



THE BIGGER PICTURE: BREAK THE CYCLE, RESTORE THE LAKE

1. **REDUCE EXISTING SLUDGE**
Less organic matter on the bottom
2. **IMPROVE NUTRIENT CYCLING**
Less phosphorus & nitrogen released from sediments
3. **REDUCE EXCESS ALGAE GROWTH**
Fewer nutrients available to fuel blooms
4. **LESS ALGAE DIES & SETTLES**
Less new sludge is created



KEY BENEFITS

- Naturally reduces organic muck and sludge
- Helps prevent future algae problems
- Improves water clarity and odor
- Supports fish and aquatic life
- Apply as directed. For best results, address external nutrient inputs and follow good pond management practices.

HOW TO USE

Apply as directed. For best results, address external nutrient inputs and follow good pond management practices.

IMPORTANT NOTE

Aqua Clear with Biomentum biologically digests the **ORGANIC** portion of sludge (dead algae, plants, leaves, animal waste, organic debris). It does not remove or digest inorganic materials such as sand, clay or silt.



CLEANER BOTTOM. CLEARER WATER. HEALTHIER LAKE. **NATURALLY.**