

BIOLOGICAL TREATMENT OF PONDS AND LAKES

DESCRIPTION

Z-BIO AQU100 is a highly concentrated powdered formulation, containing a natural plankton-based product and several bacterial strains specially selected for their ability to degrade organic matters commonly found in ponds, lakes and stretches of water.

Two main problems occur in ponds and lakes :

1. Accumulation of organic substances (vegetal residues, faecal matters and other pollutions) leading to sludge and silt formation.
2. The concentration of sulphur compounds originating from this waste degradation in anaerobic conditions generating bad odours.

Z-BIO AQU100, innovative microbiological in-situ sludge treatment, re-establishes the biological balance in aquatic environments.

BENEFITS

- Water clarification due to the flocculation of colloidal material in suspension and reactivates the photosynthesis process.
- An environment change from anaerobic to aerobic increases the degradation rates of organic the material and contaminants.
- Neutralizes acidity and supplies easy-to-assimilate calcium,
- Enhances efficiently natural decontamination due to specific strains included in the formulation.
- The results will be the mineralization of sludge and silt.
- Harmless to plant or animal life and lack of production of hydrogen sulphide.

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DIRECTIONS FOR USE

1) Liquid formulation

It is advisable to add water to the powdered product and to spray it from the edges of the pond or to pour it gradually from the stern of a boat.

2) Powdered form

When spraying liquid product is impossible: First, place marks on the edges of the pond or on water, then regularly empty the content of the bags from a boat.

DOSAGE

May vary depending on stretch of water type or silting nature.

1) Seeding :

200kg to 300kg of powdered product for 1 hectare, pond or lake
300kg of powdered product for one km of river (10 m wide)

2) Maintenance dosage :

100kg per hectare twice a year
The exact dosage rate will be determined from survey of the site.

CHARACTERISTICS

- . Effective temperature range: 8 to 45°C
- . Effective pH range: 5 to 8,5

PACKAGING: 30 kg bags

Storage and Handling:

- Store in a cool dark place
- Avoid eye contact
- Do not ingest
- Wash hands thoroughly with warm soapy water after handling