

Pond Pure

When Tertiary Treatment Needs a Boost

Algae, aquatic weed, pH control in your pond with lower COD, BOD, TSS, NH₄-N, TN, TP in the final effluent



MalaTECH
water

Benefits of Pond Pure:

- **pH control**
- **Provides quick, and visible algae, and aquatic weed control**
- **Reduces the concentration of Phosphorous, Nitrogen compounds, sludge, COD, BOD, and TSS**
- Digests organic matter and removes odor
- Microbial, biological and natural process
- Safe for the environment and wildlife
- Works effectively without introducing environmentally hazardous chemicals
- **Easy to incorporate into your normal treatment routine**
- **100% all-natural & biodegradable, non-GMO, non-toxic, non-hazardous product with long shelf life**

Product description:

Pond Pure is an all-natural digestive microbial product used mainly for **organic, and nutrient removal** in tertiary treatment ponds. The mechanism of action is based on the digestion of Nitrogen and Phosphorous. High levels of Nitrogen and Phosphorus are fuels for the accelerated growth of algae, and aquatic weeds. Pond Pure is a non-toxic, non-hazardous system digesting Ammonium, other Nitrogen forms, and Phosphorous, thus clearing the pond of algae, aquatic weeds, and scum accumulation, thereby stabilizing the pond's microbial ecosystem.



With Pond Pure, Ammonium is converted to nitrogen gas and Phosphorus is absorbed into the cellular matrix of the bacteria to form the cell walls which aid in the energy system of the Mitochondria. The elimination of these nutrients is essential in our strategy of **algae control**. The Pond Pure system starves algae and also digests the toxins produced by Cyanobacteria (blue-green algae).

With Pond Pure, organic matter is easily digested and turned into carbon dioxide and water. The enzymes produced by Pond Pure bacteria are efficiently successful at hydrolysing scum build-up.

Pond Pure is used in wastewater applications at **tertiary treatment / polishing / stabilization ponds for algae, pH control, and effluent improvement for COD, BOD, TSS, NH₄-N, TN, TP.** The biological system in Pond Pure works in both aerobic and anaerobic digestion processing environments. Pond Pure's digestive processes help lower the TSS (Total Suspended Solids) in the effluent water of the pond.

Fields of application:

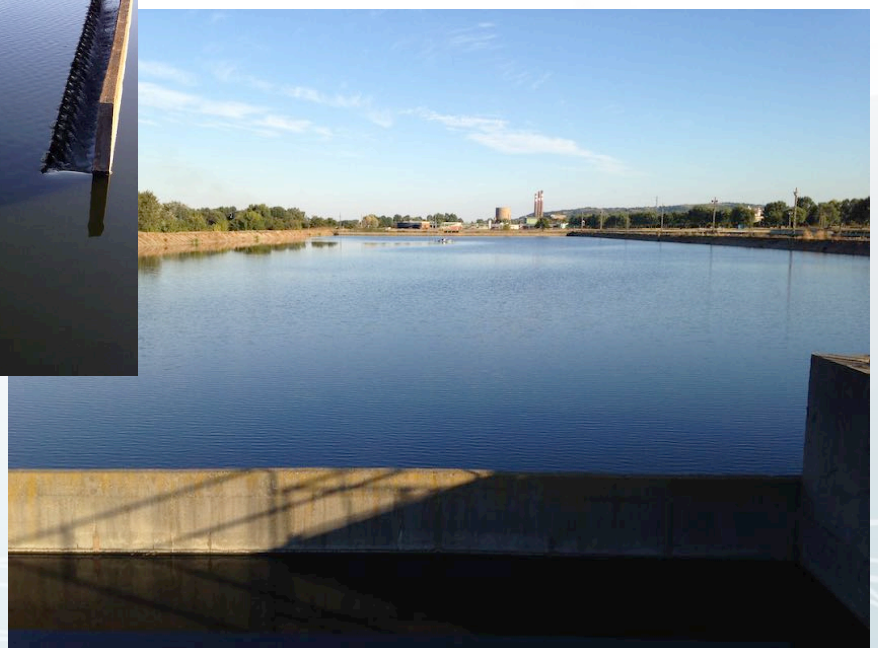
- Tertiary treatment / polishing / stabilization ponds
- Effluent holding tanks, lagoons,



Tertiary treatment pond aquatic weed blooming before Pond Pure bioaugmentation



Tertiary treatment pond in 2 month after starting Pond Pure bioaugmentation



Application of Pond Pure:

IMPORTANT INFORMATION

Recommended daily dosages are guidelines only, given in ppm for the concentrated product, based on m³/d average hydraulic raw wastewater load!

For determining exact dosages for your tertiary treatment pond, please provide us information like influent flowrate, pond geometry, influent and effluent lab results.

Dosage of the product is preferably automated & continuous by a metering pump. Dilution with pure water is up to operator, as well as storage tank volume. The product can be easily incorporated in your operation. Manpower is only needed for a few minutes once a week.

Whenever you have any questions, do not hesitate to contact us!

Dosage information:

Week 1: 4-12 ppm depending on influent organic & nutrient concentrations, and HRT of water in the system.

Onwards: 0.1-2.5 ppm depending on influent organic & nutrient concentrations, and HRT of water in the system.

Dosing location: continuous dosage to the influent stream by a metering pump.

Packaging information:

The product is available in 19 litre safety pails which is the lowest unit for ordering.

Storage information & shelf life:

Keep the product in a cool and dry place below 28 Celsius. Avoid exposure to direct sunlight. Shelf life is 5 years from manufacturing date.