

AQUAMEDIX™

AQUAMEDIX™ FOR BIOREMEDIATION IN LAKES, PONDS AND STREAMS

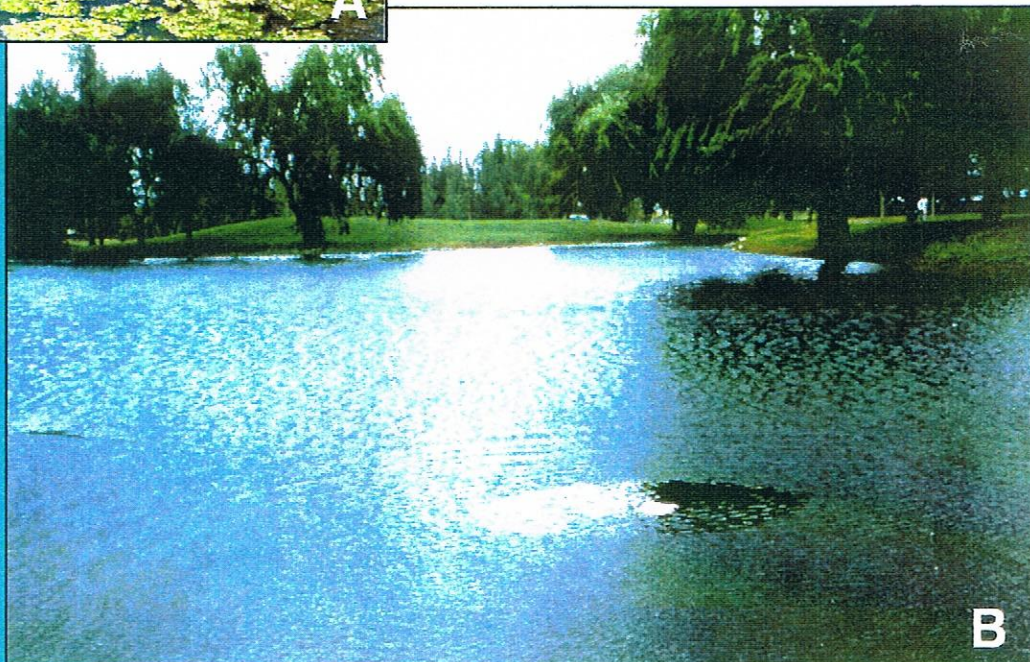
Our world ecosystem depends on algae. Algae provides oxygen for the largest and smallest creatures on earth. However, when algae blooms go unchecked in our lakes, ponds, and streams, it has an adverse effect on animals, fish, plants, and all living organisms.

Algae polluted bodies of water begin to produce obnoxious odors, become unsightly, and are considered "sick" or "dead" when the rate of organic matter entering the water exceeds the rate at which the resident flora, fauna, and microorganisms can process it. These nutrient overloads are the result of chemical fertilizer run-off, wastewater effluent, septic effluent, hydrocarbon run-off, the use of algacides, aquatic herbicides and a host of man made pollutants. Adding to this is a steadily decreasing oxygen level. This is due to the algae blanket being slowly pulled over the face of the lake or pond and suffocating it by cutting off the only air/water interchange. Under these conditions, oxygen becomes a limiting factor for the ecology and eventually only certain types of anaerobic microorganisms can survive. These microorganisms produce offensive odors and further inhibit the rate of recovery.



Picture "A" taken in Northern California in April, 1996. Approximately 1½ acre pond on a golf course. Very large amount of algae blooms caused by excess nutrients running into the pond. The pond lacked aeration and circulation. Water clarity was very poor.

Picture "B" was taken one month later. Treatment was with Aquamedix™ sprayed directly on the algae blooms and around the perimeter of the pond. In that one month time frame, the water became very clear and fish nesting areas could be seen easily. A maintenance program was created and applied approximately every five to ten days. This varies due to temperature and weather conditions. (One has to know their pond because every situation is different.)



Most bodies of water have a complete population of active and healthy microorganisms capable of digesting waste material. Unfortunately, under the conditions described above, the microorganisms become inhibited and perform at a very low metabolic rate. As the metabolic rate decreases, the pollution rate increases, and the ecology is soon out of balance on the side of pollution. The key to recovery is to reverse this degradation by increasing the activity level of the microorganisms.

Thus the job of bringing back a healthy ecology falls squarely on the metabolism of active microorganisms. The waste material generated by assorted fauna (geese, ducks, birds, animals, etc.) and decaying flora is consumed as food by the microorganisms. The waste from these microorganisms contributes nothing negative because it is primarily composed of carbon dioxide and water. Any apparent odor also disappears because the compounds in the waste that produce the smell are converted to an odorless gas.

That's where Aquamedix™ comes in. Aquamedix™ is an enzymatic liquid that stimulates endogenous bacteria in a safe, fast and effective manner, which does not pose any threat to the environment. Processed in a proprietary manner Aquamedix™ preserves the potency and containment for a cell stimulant. The cell stimulant, when used as directed, will increase the metabolism of naturally occurring bacteria to its maximum rate and maintain that activity level for as long as Aquamedix™ is added. In addition to the water itself, everything the water comes in continuous contact with (sprinkler heads, pumps, etc.) is also cleaned.

An additional plus is Aquamedix's™ safety factor. Aquamedix™ is completely safe to fish and fowl. Fish can live in relatively high concentrations of Aquamedix™ without any detrimental effects. There are no toxic chemicals or cultured bacteria in the product, thus this product does not come under FIFRA regulations for pesticides, herbicides or plant growth regulators. That means no more reams of regulatory paperwork, triple rinsing of equipment, or specialized training for applicators. You also have less exposure to the possibility of costly litigation and fines from the various state and federal regulatory agencies. Simply dilute, apply, and rinse out the application equipment, then you are ready to go again. In addition, the rinse water and any unused material can be washed down the nearest drain, with no consequences.

The results in increased efficiency for pumping systems, reduced equipment maintenance cost, and lowered utility cost makes Aquamedix™ your solution of choice.



↑ Picture 1
Day 1



← Picture 2
Day 2



↓ Picture 3
Day 10

Pictures were taken in Michigan in the spring of 1996. "Picture 1" shows a very bad outbreak of algae caused by excess nutrient overload. Also contributing to the problem was wildlife as well as normal run-off from surrounding properties. "Picture 2" was taken one day after 2 quarts of Aquamedix™ was sprayed directly on the blooms. "Picture 3" was taken nine days after "picture 2" and in between, 1 additional quart was applied to the pond. As you can clearly see from the pictures, Aquamedix™ worked exceptionally well and made an incredible difference.