

AIRMAX[®]



WATER QUALITY RESTORATION

Control Phosphates. Reduce Muck. Improve Water Clarity.

The Life Cycle of a Pond or Lake

Over time, every waterbody will begin to experience water quality issues and muck buildup. Issues arise from an accumulation of nutrients which come from lawn and agriculture runoff, dead vegetation, fish waste, and other organics. Further complicating the environment is a lack of water circulation, which separates the water column into oxygen-deprived layers, known as stratification. The combination of stagnant water and nutrient buildup results in excessive weed and algae growth, foul odors, and other water quality issues. At this point, chemical applications may be necessary to regain control, although chemical use is not the only solution to aquatic management. While chemicals are a helpful tool, it is best to take a comprehensive approach by increasing circulation, controlling nutrients, and reducing the muck layer through the implementation of aeration, natural bacteria, and phosphate remediation found in the Airmax Ecosystem.

MUCK & EXCESS NUTRIENTS

Poor water quality and clarity due to muck accumulation from dead organics.

THERMOCLINE/STRATIFICATION

Lack of water movement causes separation between the warmer, surface water and the colder oxygen-deprived water below.

ALGAE & WEED OVERGROWTH

Quickly grows out of control in ponds with excess muck, nutrients and sunlight.



The Airmax Ecosystem Water Quality Restoration

By implementing Airmax Ecosystem proactive aquatic management practices, such as aeration and natural water treatments, you can restore your water quality. The Airmax Ecosystem targets your pond problems: excessive nutrients in the water column and muck at the bottom of your pond or lake. Proactive aquatic management will result in clear water, reduced muck levels, and a thriving ecosystem you can enjoy, season after season.

HOW AIRMAX AERATION CAN HELP

- Circulates and oxygenates the entire water column eliminating thermal stratification and creating a balanced environment for fish populations
- Creates a clear, clean and healthier pond with less bottom muck
- Reduces the chance of fish loss caused by turnover
- Prevents stagnant water, reducing midge fly and mosquito populations

HOW NATURAL WATER TREATMENTS CAN HELP

- Accelerates decomposition of organic debris and muck by boosting beneficial aerobic bacteria
- Restores your pond or lake bottom/shoreline to its natural state
- Clears up cloudy or murky water caused from suspended organics
- Binds phosphates improving water quality and clarity
- Eliminates noxious odors



WATCH THE AIRMAX ECOSYSTEM IN ACTION
SEE THE VIDEO @ [AIRMAXECO.COM/ECOSYSTEM](https://airmaxeco.com/ecosystem)



Control Phosphates. Reduce Muck. Improve Water Clarity.



POND CLEAR PRO
Clear Water



MUCKAWAY PRO
Reduce Muck



ECOBOOST PRx
Bind Phosphates



PondClear® PRO

Natural Bacteria, Enzymes & Phosphate Binder

- Improves Water Quality & Controls Odors
- Binds Phosphates to Restore Water Clarity & Quality
- Targeted Bacteria Developed Using BioMax™ Technology

PondClear Pro is the industry leading, most effective, proven solution in water clarity. Developed from over 20 years of research and comprehensive field studies, PondClear Pro beneficial bacteria works by consuming suspended organics and binding phosphates to deliver clear water and eliminate noxious odors. PondClear Pro utilizes BioMax Technology, a proprietary method to formulate the safest and most effective natural product. In addition PondClear Pro is formulated with a maintenance dose of EcoBoost PRx a natural phosphate binder, for long-lasting water clarity. No water use restrictions, and safe for use in lakes, ponds, and lagoons.



PondClear Pro Study AUBURN HILLS, MICHIGAN

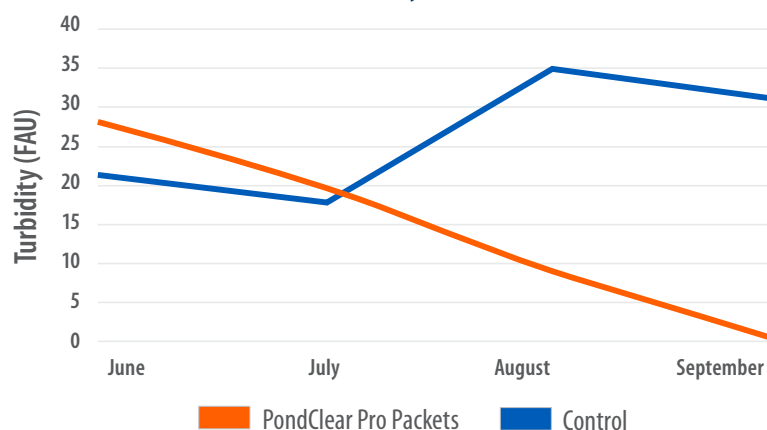
CHALLENGE: Located in Auburn Hills, Michigan, two ponds (0.8 and 0.7 acres) were characterized by hypereutrophic conditions with cloudy water and late season planktonic blooms.

SOLUTION: PondClear Pro was applied on a biweekly basis throughout the summer to the 0.8 acre pond, leaving the 0.7 acre pond as the control. Water samples were collected and sent to an independent laboratory for analysis throughout the summer.

RESULTS: The turbidity of the pond being treated reduced consistently throughout the summer, while the control suffered the same yearly fate of cloudy, discolored water. PondClear Pro decreased turbidity by 95% in 16 weeks.

FULL STUDY: To see the complete study, please visit airmaxeco.com/PondClearPro

Turbidity Over Time



MuckAway[®] PRO

Muck Reducing Bacteria

- Eliminates up to 2" of Muck Each Month
- Proven Results in Laboratory and Field Studies
- Ideal for Lakes, Ponds, Beaches & Shorelines
- Targeted Bacteria Developed Using BioMax[™] Technology

MuckAway Pro is the industry leading, most effective, proven solution in muck reduction. Developed from over 20 years of research and comprehensive field studies. MuckAway Pro bacteria rapidly consume muck, converting it to an odorless gas which escapes unnoticed out of the water column. MuckAway Pro utilizes BioMax Technology, a proprietary method to formulate the safest and most effective natural product. No water use restrictions, and safe for use in lakes, ponds, and lagoons.



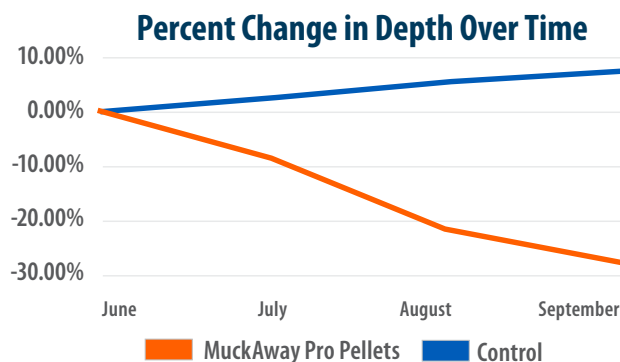
MuckAway Pro Study ROCHESTER HILLS, MICHIGAN

CHALLENGE: Located in Rochester Hills, Michigan, two ponds were chosen due to a long history of organic growth and heavy pond muck. Both ponds measured 0.75 acre, 10' deep and were eutrophic, stagnant environments used primarily for storm water retention.

SOLUTION: MuckAway Pro was applied per labeled directions to one of the 0.75 acre ponds over a period of 16 weeks. The other 0.75 acre pond was left as a control. Average muck depths were recorded using systematic sampling within 16 area frames on a monthly basis. Samples were submitted to an independent laboratory for analysis.

RESULTS: At the end of 16 weeks, the treated pond showed greater than a 28% reduction in sediment depth. Laboratory analysis also revealed a significant reduction in Percent Organic Content - over a 25% difference between the treated and control pond. The control pond continued to accumulate additional sediment depth, nearly 8%, during the study period.

FULL STUDY: To see the complete study, please visit airmaxeco.com/MuckAwayPro



Sanford Lake Customer Gets Results!

A distributor in Sanford, Michigan, treated a beachfront property every two weeks from April through September. In the fall, the village of Sanford performed a drawdown of the lake to carry out maintenance of the dam. The area that was untreated shows a buildup of muck while the adjacent treated area shows the natural sand bottom.



Phosphates Limit Success

Excessive Nutrients Fuel Poor Water Quality and Algae Blooms

Escalating Phosphate Levels

Phosphorus is a nutrient that helps support the growth of aquatic plants and is a natural part of an aquatic ecosystem.

Phosphates enter a pond or lake from leaves, twigs, grass clippings, fish waste, other organic matter and storm runoff, which carries fertilizers and other contaminants that can begin to disrupt the natural aquatic ecosystem.

Human activity is increasing phosphate levels at a dramatic rate.

High levels of phosphates can cause toxic algae blooms, rampant weed growth, and poor water quality.

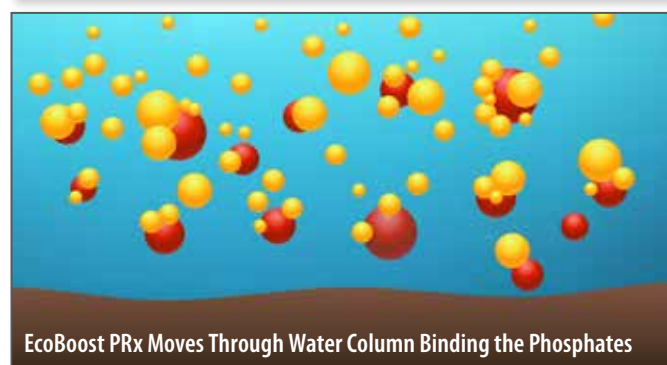
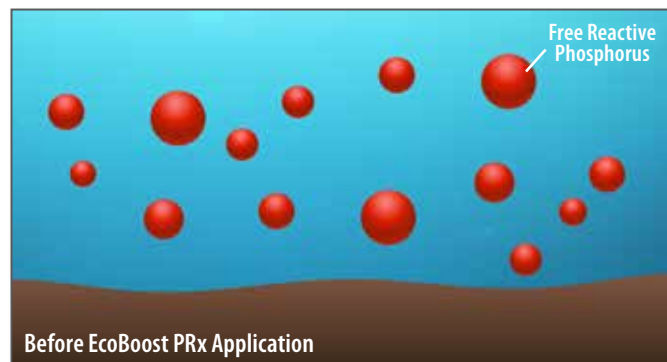
Unless phosphates are controlled, successful aquatic management is limited.

How EcoBoost PRx Works TO CONTROL PHOSPHATES

EcoBoost PRx is designed to bind excess phosphates quickly, safely, and effectively making them unusable as a food source for algae and weeds.

Use EcoBoost PRx as a “reset” button to bind excessive phosphates in the water column and to restore water quality.

Add EcoBoost PRx early in the spring or any time phosphates become a problem, such as following a heavy rain.



LEARN MORE ABOUT ECOBOOST PRx
VISIT AIRMAXECO.COM/ECOBOOSTPRx

EcoBoost® PRx

Phosphate Control

- **Permanently Binds Free Reactive Phosphorus (FRP)**
- **Improves Water Quality & Clarity**
- **Clarifies Water Without Impacting pH**

EcoBoost PRx is a proprietary blend of naturally occurring phosphate binders designed to permanently bind free reactive phosphorus (FRP). EcoBoost PRx will not affect pH. Eliminates the need for heavy metal treatments. The natural phosphate binders work within the water column to clear up cloudy or murky water resulting from storm runoff, chemical fertilizers, and organic decomposition. No water use restrictions, and safe for use in lakes, ponds, and lagoons.



EcoBoost PRx Phosphate Control Study

ROCHESTER HILLS, MICHIGAN

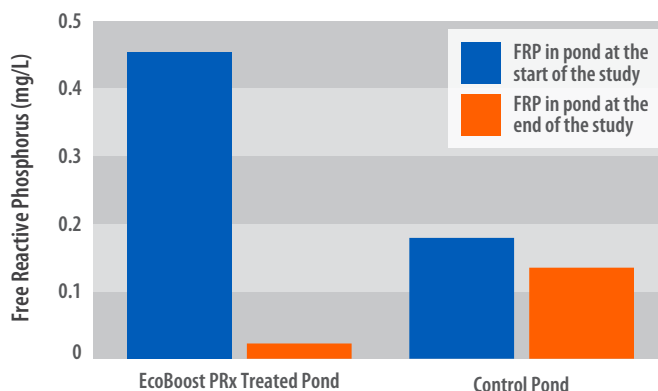
CHALLENGE: Located in Rochester Hills, Michigan, two ponds (0.5 and 1.2 acres, 9 ft deep) were suffering from years of neglect and receiving a large amount of runoff from the surrounding area.

SOLUTION: Biweekly treatments of EcoBoost PRx were applied by boat sprayer to the 1.2 acre pond over 16 weeks, leaving the 0.5 acre pond as a control. Water samples were taken to an independent laboratory throughout the summer for monitoring.

RESULTS: At the end of 16 weeks, results showed the pond treated with EcoBoost PRx reduced FRP by 98%. Not only did EcoBoost PRx limit external loading, but it prevented internal loading from affecting the waterbody. EcoBoost PRx application led to the treated pond being significantly clearer compared to the control.

FULL STUDY: To see the complete study, please visit airmaxeco.com/PRx

Free Reactive Phosphorus (FRP) Test vs Control





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