

METAFLUC

Biological Clarifier and Phosphorus Binder

MetaFloc is a complete water quality and clarity restoration tool. This advanced probiotic and flocculant combines scientific research in bioengineering, phosphorus binding, and coagulation/flocculation resulting in a product that will improve all aspects of water quality. MetaFloc provides a natural way to stop lake eutrophication and restore your lake to a more pristine state.

MetaFloc is applied evenly over the surface of the targeted area. This proprietary blend of probiotics and phosphorus binding materials removes phosphorus and clarifies water within hours and continues to remove phosphorus from the sediments, preventing water quality issues in the future. MetaFloc provides the most flocculation and phosphorus binding per gallon of any product in the market. MetaFloc does not kill aquatic plants or algae.



Diagram shows MetaFloc improving water quality by binding suspended nutrients.

KEY BENEFITS & HIGHLIGHTS

- Breaks down organics and binds phosphorus in the water column
- Improves water quality and clarity within hours
- Eliminates internal phosphorus re-cycling from the sediment
- Safe and easy liquid formulation with no irrigation restrictions
- Does not impact water pH or alkalinity

METAFLC DOSAGE - FOR WATER COLUMN NUTRIENTS & CLARITY

Mildly Eutrophic 30 - 50 µg/L Phosphorus 4-3 ft. Secchi	Eutrophic 50 - 100 µg/L Phosphorus 3-2 ft. Secchi	Hypereutrophic >100 µg/L Phosphorus <2 ft. Secchi
2-6 gal / 10ac. ft.	6-8 gal / 10ac. ft.	>12 gal / 10ac. ft.

METAFLC DOSAGE - FOR SEDIMENT NUTRIENT REMOVAL

Mildly Eutrophic 250 mg/kg sediment P	Eutrophic 550 mg/kg sediment P	Hypereutrophic 750 mg/kg sediment P
50 gallons per acre	100 gallons per acre	140 gallons per acre

- For water column dosing, apply across the **entire surface area** at least once via surface spray of sub-surface injection systems not to disturb bottom sediments. Dilution may be necessary to ensure proper coverage
- Best used for organic turbidity removal.
- MetaFloc is available in multiple container sizes: 5, 55, and 275 gallons

USES & APPLICATIONS

- Water clarity
- Organic Turbidity
- Total Suspended Solids (TSS)
- Internal P re-cycling
- Eutrophic lakes
- Fisheries management
- Reclaimed water
- Wastewater lagoons
- And more!

THE SCIENCE BEHIND IT

Eutrophication is when a lake receives excess nutrients (phosphorus and nitrogen) from the watershed and from deposited sediments, called internal nutrient loading. These excess nutrients lead to poor water clarity, harmful algal blooms (HABs), low oxygen levels, and an imbalanced food web, stunting a lake's fishery. Nutrients need to be maintained in lower amounts with good water clarity to promote a naturally balanced ecosystem where aquatic life thrives, and fish growth is optimal.

MetaFloc completely reverses eutrophication and lake aging by removing excess nutrients and turbidity. This one-of-a-kind proprietary formula of select bacterial cultures, flocculant, and phosphorus binders works in synergy to provide a complete restoration solution that permanently binds phosphorus, reduces nitrogen, and improves clarity.

