



RESTORE



BALANCE



PROTECT

LIMNOPLUS®

NEXT-GENERATION PHOSPHATE BINDING TECHNOLOGY

Restore the natural balance of your lake or pond

Next-generation phosphate binding for clear water and healthy freshwater ecosystems



Excess phosphate in lakes and ponds can lead to turbidity, disruption of natural processes, oxygen depletion, nutrient recycling, and loss of biodiversity.

LimnoPLUS is an innovative lanthanum-modified clay that permanently binds phosphate with 10% lanthanum.

Phosphate remains locked in the sediment and internal phosphate loading is effectively reduced.

By addressing the root cause, LimnoPLUS helps to improve water quality and supports natural processes for healthy and resilient ecosystems.



Permanent phosphate binding



Clearer water



Restores natural balance



Long-lasting effect



Less material required



Safe for aquatic ecosystems



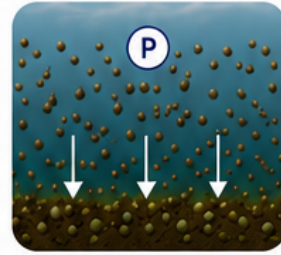
THE PROBLEM



Too much phosphate enriches the water and can lead to turbidity, disruption of natural processes, oxygen depletion, and loss of biodiversity.



THE SOLUTION



LimnoPLUS permanently binds phosphate.

The active lanthanum component forms a stable mineral that remains in the sediment.



THE RESULT



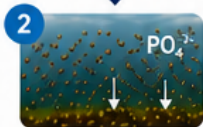
Less available phosphate supports natural water quality recovery and ecosystem functions, resulting in clearer water and a healthier aquatic environment.

HOW DOES LIMNOPLUS WORK?



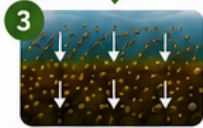
APPLICATION

LimnoPLUS is evenly mixed with water and applied as a slurry across the water surface.



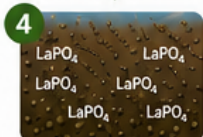
BINDING IN THE WATER COLUMN

LimnoPLUS particles bind dissolved phosphate in the water column, reducing its availability as a nutrient.



ACTION IN THE SEDIMENT

Once settled, LimnoPLUS continues to bind phosphate in the sediment. This also binds phosphate that is released from the bottom under certain conditions.



PERMANENT STABILISATION

Lanthanum and phosphate form a stable, insoluble mineral in the sediment. Phosphate is locked away from natural processes, reducing nutrient recycling.

PROVEN PERFORMANCE. LESS IMPACT.

10%

LANTHANUM

A highly active component compared to conventional 5% LMC products.

2x

HIGHER CAPACITY

Up to 2x higher phosphate binding capacity (~ 20 kg P per ton of product.)



UP TO 50% LESS MATERIAL

For an equivalent phosphate binding, significantly less product is required.



FASTER TREATMENT

Higher binding capacity enables more efficient and effective treatment.

LOWER CO₂ FOOTPRINT

Less material means less transport, handling and application, and lower emissions.

LIMNOPLUS CONTRIBUTES TO:



Less available phosphate



Improved water quality



Restoration of natural processes



Better oxygen conditions



Supports aquatic plants and habitat quality



Supports healthy freshwater ecosystems



Sustainable and effective water management

