

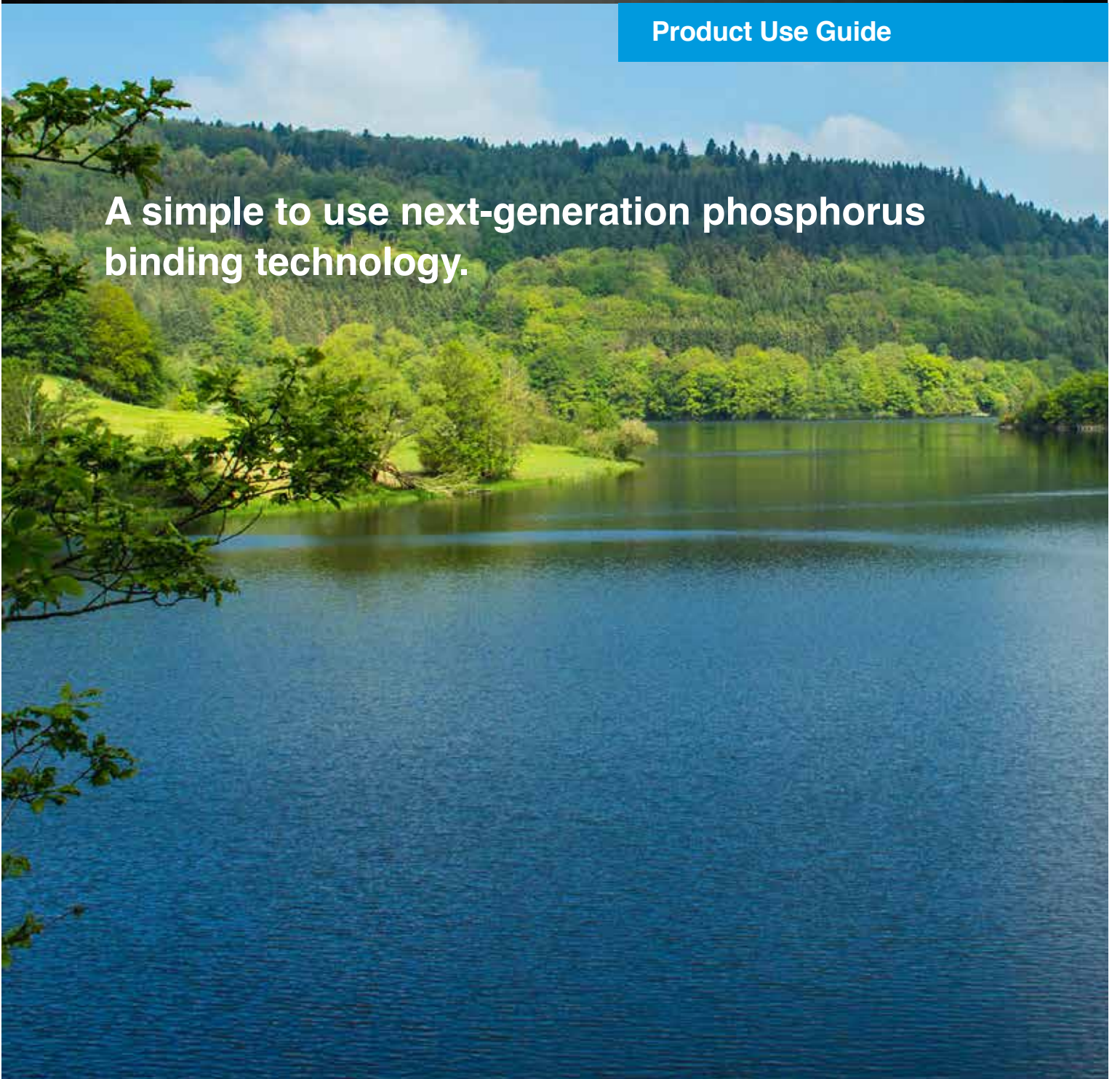
EutroSORB[®] WC

Water Column Phosphorus Inactivator



Product Use Guide

A simple to use next-generation phosphorus binding technology.



EutroSORB WC. Water quality protection and restoration just got easier!

Eutrophication - an increase in surface water concentration levels of phosphorus and nitrogen that degrade water quality and negatively impact the health of an aquatic ecosystem when excess levels are reached. Phosphorus is a key limiting nutrient in water resources—one pound of phosphorus can support five hundred pounds of algae growth.



20 PDU container

EutroSORB WC is a proprietary aqueous blend of phosphate binding minerals for rapid and permanent inactivation of phosphorus from the water column.

EutroSORB WC is simple to use and reduces phosphorus concentrations in natural waters when applied to surface water resources containing phosphorus.

EutroSORB WC can be easily applied via surface spray application, sub-surface injections, or poured into areas where good mixing occurs. The material is an aqueous solution that **does not** require a slurry mix prior to application, as with other clay-based technologies.

Assessment Recommendations for EutroSORB WC

As with all in-water treatments, it is important to have an accurate assessment of the surface acres and average water depth for the water body being treated with EutroSORB WC. It is also important to understand how

many pounds of phosphorus are in the water column being treated. To determine the pounds of phosphorus, the following formula can be used:

$$\text{Surface Acres} \times \text{Average Depth of Water} \times \text{Total P (ppb)}^* \times 0.0027 = \text{Lbs. of Phosphorus}$$

*A SeSCRIPT analysis from SePRO's lab services can be used to determine Total P (TP). Go to sepro.com/aquatics/lab for more information.

Prescription Guidelines for EutroSORB WC

Once the pounds of phosphorus have been determined in the water column, the following formula can be used to determine how many PDUs are required to inactivate the calculated volume of phosphorus:

$$\text{Lbs. of Phosphorus} \times 10 = \text{PDUs of EutroSORB WC}$$

What is a PDU? EutroSORB WC utilizes the new, precise system of rate recommendations and product measurements called Prescription Dose Units (PDU).

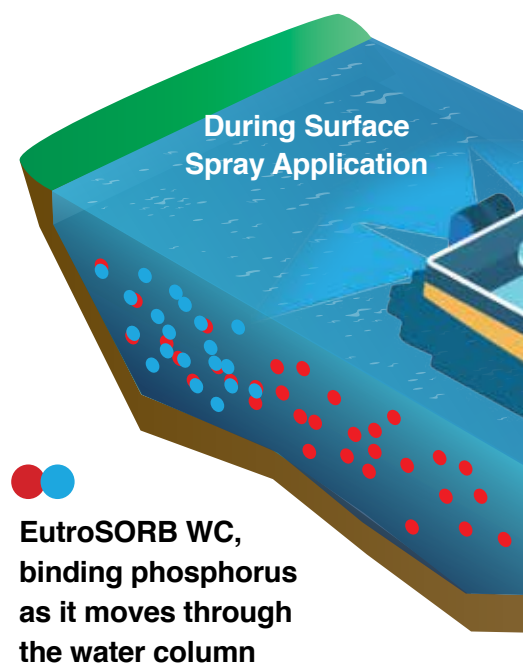
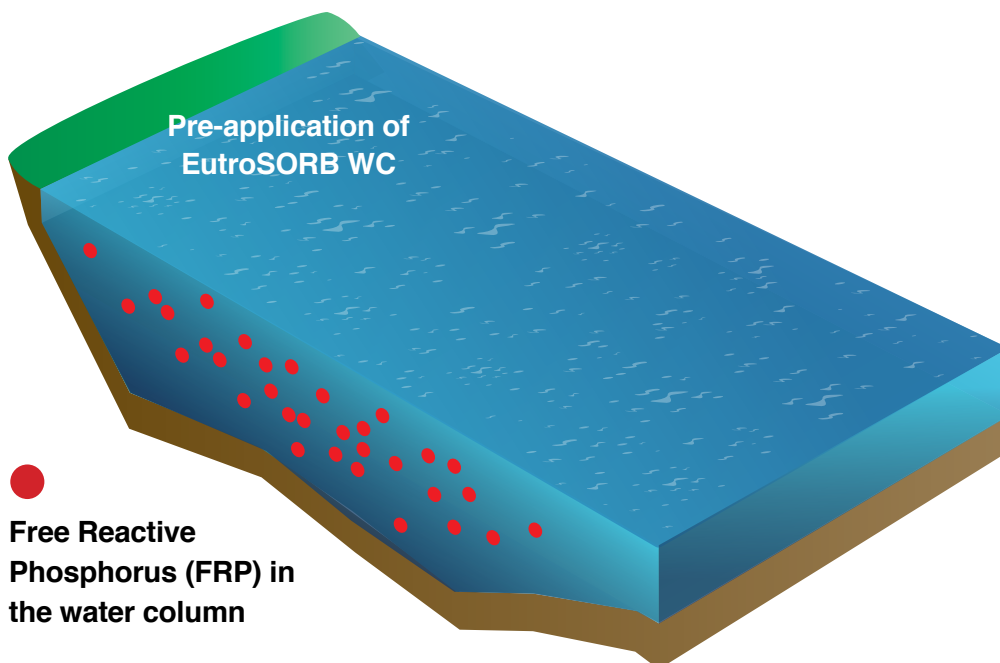
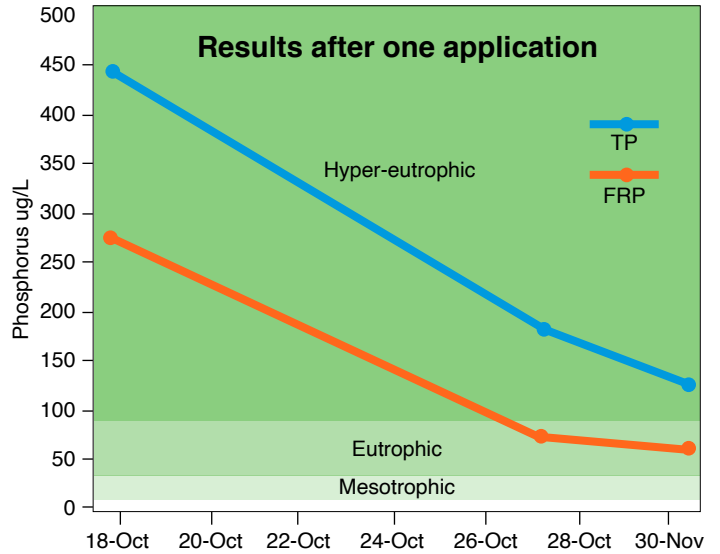




Image courtesy of AQUA DOC Lake & Pond Management



Phosphorus Removal Efficiency

EutroSORB WC is very effective at binding phosphorus. Each PDU of EutroSORB WC will inactivate 0.1 lbs. of phosphorus from the water column. It only takes 10 PDUs of EutroSORB WC to inactivate 1 lb. of phosphorus rapidly and permanently.

10 PDUs = Inactivates 1 pound of P

*1 PDU is equivalent to 16 oz.

Pro Tip: If algae are present, treat with a SePRO algaecide (e.g., Captain XTR, Cutrine Plus, SeClear Algaecide and Water Quality Enhancer, Oximycin P5, etc.) 3 - 5 days prior to the initial application of EutroSORB WC.

Fun Fact: 1 pound of phosphorus in water can support 500 pounds of algae growth.

General Maintenance

One pound of P Inactivation Program	
Spring	4 PDUs per acre
Summer	4 PDUs per acre
Fall	2 PDUs per acre

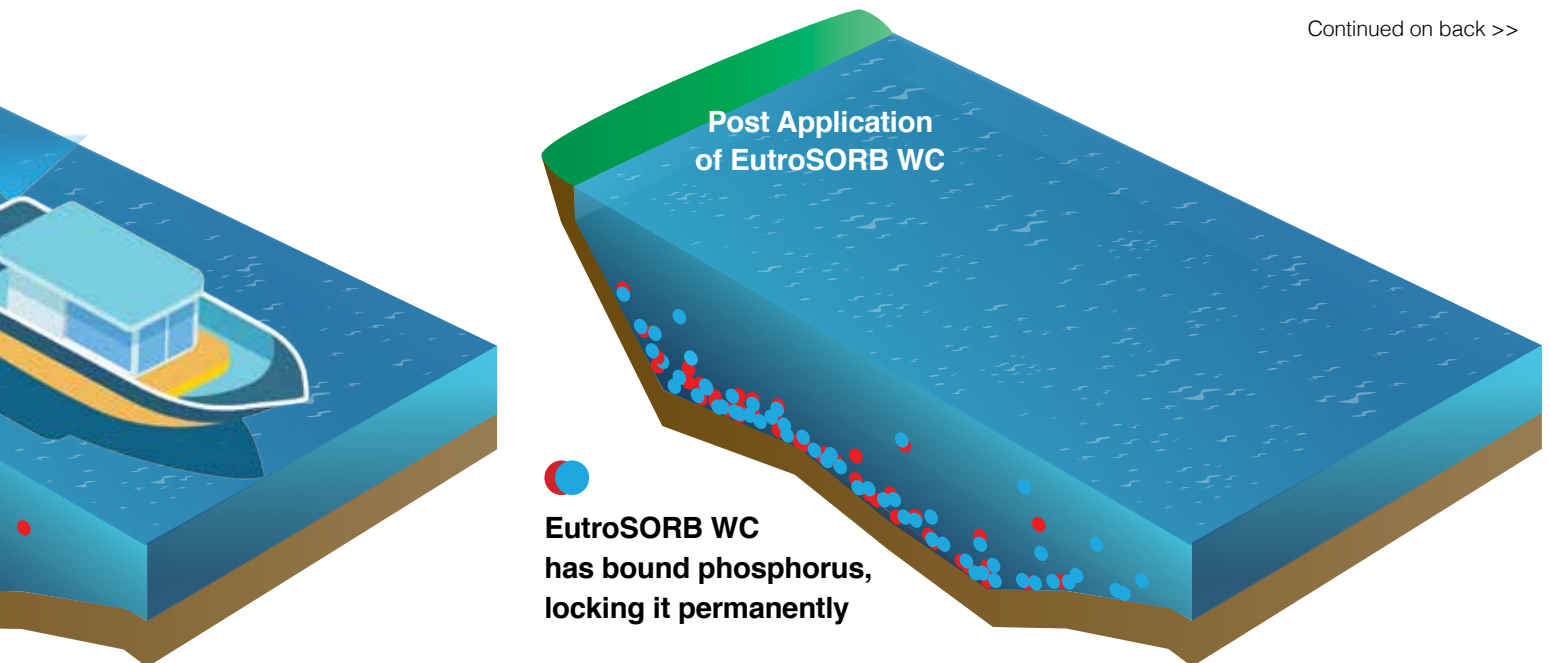
Application Directions

EutroSORB WC can be used in surface waters such as lakes, ponds, reservoirs, rivers, streams, canals, ditches, etc.

EutroSORB WC can be applied via surface spray application, sub-surface injections, or poured into areas where good mixing occurs such as intakes or fill pipes.

For best results, distribute EutroSORB WC uniformly over the surface of the water body or the area targeted for

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phosphorus inactivation. When making applications to flowing water (e.g., rivers, streams, canals, ditches, etc.), inject, drip, or pour EutroSORB WC at a location where adequate mixing occurs to optimize phosphorus binding.

Contact a SePRO Technical Specialist for tank-mix compatibility and assistance with more dynamic systems and projects, or visit **eutrosorb.com** for more information.

Ecological Assessment

EutroSORB WC does not impact water quality or chemistry. It has an excellent safety profile with no environmental, health, or safety concerns associated with this technology.

Summary

EutroSORB WC is a simple to use next-generation phosphorus binding technology that can be used to remove excess phosphorus rapidly and permanently from surface water resources—because water quality protection and restoration does not have to be difficult.



Also available in 2,200 PDU totes

EutroSORB WC Benefits

- Easy to use formulation
 - No slurry required
 - Low volume use rates
- Rapid and permanent inactivation of phosphorus
- Safe for fish, invertebrates, and personnel
- No irrigation restrictions
- Patent pending

To purchase or for more information, contact your SePRO Technical Specialist at **1-800-419-7779**, visit **sepro.com**, or contact a SePRO Distributor Partner



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