

SchlixX and SchlixX Plus

The solution to your organic sediment and phosphate issues

How it works

Over time, sludge builds up and stores nutrients, such as phosphorus, increasing the risk for water quality issues and costly dredging. SchlixX is an industry game changer, as it promotes the **digestion of organic sediment build up** on the bottom of lakes and ponds by releasing oxygen for up to 6 weeks, while simultaneously binding any release of phosphorus. This slow continued release provides superior downward penetration into the bottom organic sediment, further improving sludge digestion and ultimately helping to more effectively bind phosphorus and prevent internal nutrient loading over the long term as compared to other traditional solutions.



DIGEST SLUDGE & BIND PHOSPHORUS AT ONCE!

Special properties

If you are looking for a premium offering that includes a proprietary strain of bacteria to **supercharge the sludge reduction process**, consider our pharmaceutical grade SchlixX Plus. With this innovation, one ton of SchlixX Plus has been shown to remove up to 3000m³, in a single application, gaining you valuable water depth and reducing or eliminating the need for disruptive and costly dredging. When following our suggested treatment plans be prepared to see improved results, save time, reduce site visits, and exceed all of your lake and pond management goals.



Find out more about our other reference projects



Learn more about OASE Lake Therapy products.

Benefits of SchlixX

- + Adds oxygen and reduces organic sediment in a sustainable and environmentally friendly way
- + Permanently binds phosphates to remove excess nutrient load
- + Buffers pH at the bottom which improves activity and overall biological efficiency
- + Lessens number of site visits and provides a better value compared to traditional products

Added benefits of SchlixX Plus

- + Adds beneficial bacteria to enhance water quality and accelerates sediment digestion
- + Reduces the need for disruptive and costly dredging
- + Helps to control foul odours

Product details

Item no.	Package size	Coverage
76485 SchlixX	25 kg	500m ²
76489 SchlixX Plus	25 kg	500m ²

Treatment

Apply 200 kg of SchlixX or SchlixX Plus per surface acre for routine treatment.

Case study



Dobson Ranch HOA and Golf Course Community, Lake #8 Mesa, Arizona

The lakes at Dobson Ranch are part of a man-made drainage control system, that winds through the master-planned layout. Over the years, high nutrient levels from the main inflow feed and run-off from cultivated lawns and golf course turf, resulting in increased maintenance issues and costs, as well as accumulating sediment concerns. This was especially the case in Lake #8, which ends in a spillway and acts as a dam, causing it to be prone to sediment accumulation.

Treatment

Water and sludge samples were taken and analyzed 3 months before treatment. SchlixX Plus was chosen as the appropriate treatment as it provides 3 key benefits: 1) increase DO levels over a period of months, 2) reduce sludge accumulation through microbial digestion and 3) prevent the re-release of biologically available phosphate from digested sediment.

The dosage applied was 750 kg of SchlixX Plus. Treatment was executed on 9 November, 2022. To reduce dusting and loss of product to wind, an apparatus was used which pre-mixes the SchlixX Plus powder with water drawn from the lake and ejects it via submersed nozzles into the wake of the boat. The process took just 8 hours to cover the entire 2.5 acre surface area.

The results

Measurements and samples were taken two times in the 6 months following the treatment. Analysis of both showed significant changes in both sediment and phosphate levels. The sludge layer had been reduced by an average of 6 inches, with a water volume increase of 1.25 acre-feet and a >30% phosphate reduction.

Project overview

Location	Mesa, Arizona
Type of water	Man-made, freshwater
Type and size	Drainage/decorative, 2.5 acres, 5' in depth
Problem	Sludge accumulation and high phosphate levels
Applied Product	SchlixX Plus
Period and type of application	In Nov 2022, 750 kg of SchlixX Plus was added to 2.5 acres of the total area
Result of the application	In May 2023, degradation of organic sludge and reduction by an average of 6 inches with the first application. Subsequently, there was a volume reduction of 1.25 acre-feet and a phosphate reduction of >30%



What our clients are saying

"We are seeing positive results from our initial application of the SchlixX Plus product in one of our larger lakes and a stormwater pond last spring. Water clarity is improved and algae growth is less compared to last year. We don't need as many traditional treatments this year, saving us money and man hours"

Kevin Carter, Director of Operations, Lely CDD in Naples, FL

Email enquiries@oase.com or call **01256 896886**
to discuss innovative and value-based solutions for all of your lake and pond management needs.

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