

# LakeVac System Offers Clear Advantages

LakeVac is mixed into the lake water and allowed to settle. The chemical acts as a flocculent, which causes the algae, silt and nutrients to settle to the bottom of the lake. The settling of the nutrients will result in less algae growth, because of the reduction of phosphorous and other nutrients required for algae growth. LakeVac kills most rooted aquatic plants. LakeVac treatment temporarily increases the pH levels of the water. The high pH can have negative effects on disinfection.

Alkalinity CaCO <sub>3</sub> mg/L	LakeVac Dosage		
	Water Volume m <sup>3</sup>	LakeVac Quantity kg	LakeVac Conc. mg/L
50 - 100	1	<b>0.100</b>	100
100 - 200	1	<b>0.500</b>	150
>200	1	<b>0.200</b>	200
50 - 100	20	<b>2</b>	100
100 - 200	20	<b>3</b>	150
>200	20	<b>4</b>	200
50 - 100	100	<b>10</b>	100
100 - 200	100	<b>15</b>	150
>200	100	<b>20</b>	200

### Calculating the amount of LakeVac required:

1. Determine the volume of water for treatment in m<sup>3</sup>
2. Determine the alkalinity of the water for treatment
3. Refer to the above table to determine the proper dosage of LakeVac required.

*(Caution: Concentrated LakeVac can kill fish)*



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# LakeVac

Algaecide - Flocculent

Contact your local distributor..

# LakeVac is a long lasting treatment fo Algae

## Advantages of using LakeVac:

The problems caused by algae in lakes, dams and tanks is well known. Copper sulphate and simazine treatment have been used to provide short term control of algae blooms. The occurrence of high concentrations in the lake and dam bed sediment & herbicides/pesticides commonly used to control algae, appearing in adjacent ground water aquifers demonstrates the need for careful before using these products. LakeVac is a safer & more complete & longer lasting method of treatment.

## The benefits of using LakeVac include:

1. Longer term algae control
2. Control of submerged rooted plants
3. Nutrient removal
4. Flocculation and settlement of silt
5. Clean and clear water
6. Stabilised lake/ dam bed

Note: LakeVac has worked successfully in most water, however, a very small percentage of water bodies have not shown improvement after treatment. Water with a high level of organic colour (yellow to brown) fits into this category. Caution: LakeVac is corrosive. Safety equipment should be used to protect skin & eyes during use; Wash all equipment (including pumps internals) after use.

## Maintenance:

After an application of LakeVac, maintenance is the next step essential to maintain algae free water. Here are some guidelines:

1. Prevent silt laden runoff entering the lake
2. Keep all livestock out of the water
3. Minimise leaves & cut grass entering the lake
4. Do not spread fertiliser near the water
5. Maintain grassed waterways feeding the lake

Although the lake chemical treatment has been successful, it is only one management tool available for improving the lake environment. Aeration for instance can resolve many of the problems associated with algae before they occur



# Safely eliminates algae blooms from your lake, dam or stored water.

**DOSE:** The quantity of LakeVac and the application method can vary with the required outcome. For a very serious problem, the full proscribed amount should be used. For small outbreaks (floating algae or regular maintenance treatment) spot spraying within the infected areas only is very affective. Aerating the water body regularly with a Biostat Lakesaver aeration systems will improve treatment.

**RATE:** Determine volume of water for treatment, and the alkalinity of the water. The higher the alkalinity as  $\text{Ca CO}_3$ , then the greater the quantity of LakeVac required. For moderate alkalinity (50-100mg/L) 10kg per 100,000 L. For medium alkalinity (100-200mg/L) 15kg per 100,000 L. For high alkalinity (more than 200mg/L) 20kg per 100,000 L

**Application:** LakeVac can be applied by a custom applicator, In many instances it is applied with a common fire fighter pump and spray nozzle. The LakeVac is mixed into a pump-able wet slurry and sprayed evenly of the water surface for treatment. Concentrates on the deeper areas and on any rooted plants along the waters edge. LakeVac must be mixed thoroughly as possible into the treatment area. Apply one treatment. Wait until the water surface is clear before using for any purpose.

Use alkalinity test strips to determine pretreatment alkalinity

AVAILABLE In 10L (5kg), 20L (10kg), 200L (90kg) dry powder

Enquire about . 1000L bulk liquid form

LAKEVAC