

HYDRA



Silt-Less Bio Bacteria

Natural Bacteria Blend Breaks Down Organic



HYDRA®

Features & Advantages

- ◆ Decreases organic and oxidisable matter, which shows as a reduction in silt levels.
- ◆ Ideal for ponds and lakes with heavy fish loads.
- ◆ Improves water clarity by settling suspended solids.
- ◆ Counteracts acidity in water and silt.
- ◆ Prevents unpleasant odours.
- ◆ 100% safe.
- ◆ Digests smelly black silt and reduces methane production.
- ◆ Reduces lake sedimentation and settles suspended solids.
- ◆ Provides essential calcium for plants and animals.
- ◆ Increases biodiversity within water-body.
- ◆ Fast acting and effective at low concentration.
- ◆ Harmless to humans, mammals, birds, fish, invertebrates and water plants.
- ◆ Highly effective with a massive micro porous crystalline structure which vastly increases oxygenation by stimulation of aerobic micro-organisms.
- ◆ Lab cultured bacteria blend includes an accurate mix of diverse bacteria and required micro-minerals to ensure rapid growth of favourable bacteria.

Description



The best way to remove organic silt is to provide ideal breeding conditions for natural lake bacteria to break-down this silt much as a compost heap would.

To facilitate this our laboratories have developed the Hydra Silt-Less System.

The Hydra Silt-Less System has three elements.

1. Hydra Silt-Less Base.
2. Hydra Silt-Less Bio Bacteria.
3. Aeration to Increase Oxygen Levels.

Hydra Silt-Less Base Bacteria secrete a bio-slime which enables them to stick to surfaces and each other.

This bio-slime also helps to protect the bacteria from predators.

The larger the surface area that bacteria can colonise the more bacteria will be present and the quicker they will remove the organic silt.

Hydra Silt-Less Base is a highly porous natural form of Calcium Carbonate consisting of microscopic sponge like particles of less than 5 micron.

These microscopic particles increase by thousands of times the surface area on the lake bottom creating ideal bacteria breeding beds.

Hydra Silt-Less Base also:



- ◆ Provides essential calcium for plants and aquatic life. Helps keep ideal water pH by counteracting acidity in the water and silt.
- ◆ Very affordable even for big bodies of water.
- ◆ Easy way to solve silt build-up.

Description

Hydra Silt-Less Bio Bacteria is a scientifically formulated natural mixture of micro-organisms, enzymes, trace elements that effectively stops silt build-up by biologically breaking it down.

It is ideal for ponds, rivers and lakes of all sizes, even for those with heavy fish loads.

Hydra Silt-Less Bio Bacteria long list of benefits include:

Improves water quality and clarity by reducing organic sediments or silt and settling suspended solids.



Eliminates cause of bad odours.

There are no harmful effects to humans, animals, fish and plants.

Its ideal blend of natural bacteria is fermented under laboratory conditions then freeze dried ready for use.

By growing bacteria under laboratory conditions we ensure that we have the correct diversity of bacterium and the correct micro-minerals that bacteria require for their most rapid and beneficial growth rates to break down silt deposits.

We are not just relying on the lakes natural bacteria which can be hit or miss in their effectiveness.

How To Use

Usage rates :

- ◆ 1 kg of Hydra Silt-Less Bio Bacteria (For Lakes Only) treats 400 sq. metres.
- ◆ 2.5 kg of Hydra Silt-Less Bio Bacteria (For Lakes Only) treats 1,000 sq. metres.
- ◆ 5 kg of Hydra Silt-Less Bio Bacteria (For Lakes Only) treats 2,000 sq. metres.
- ◆ 10 kg of Hydra Silt-Less Bio Bacteria (For Lakes Only) treats 4,000 sq. metres.



Laboratory Facilities

Hydra International Ltd.'s Research & Development Laboratories are a hub of activity where new products are developed and formulated. We have working relationships with our raw material suppliers, many of these suppliers are major world-wide chemical manufacturers with their own development laboratories.

As a company we are well known in the chemical industry for being receptive to cutting edge new chemicals which can be incorporated into our products to achieve performance advantages. An important part of the International Standards that we hold is that of constant improvement. We show that we have achieved this at every independent audit.



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