

HYDRA CRYSTAL



Rapidly Clears Green Water



HYDRA®

Features & Advantages

- ◆ **Hydra Crystal** acts rapidly on the **pond green water** to give you crystal clear water.
- ◆ The product is **completely biodegradable**
- ◆ **Free of all toxic additives**, mineral based **Hydra Crystal** absorbs and chelates phosphates, nitrites and other water pollutants to give you clean healthy water body.
- ◆ Special green water treatment formula **improves the water quality** without disturbing the ecological balance of the pond.
- ◆ **Safe on Koi ponds**, fish, reptiles, birds, invertebrates, mammals, humans and water plants.
- ◆ **No damaging effect** on **concrete surfaces** or **synthetic liners**.
- ◆ **Not harmful** for **biological filters** or **pumps** installed in the pond.
- ◆ Immediately after the product application, **scattered single-celled algae flocculate and sink** to the bottom of the pond to be removed through the filter system.

Description



The Problem

Spring sunshine is a welcome change in the weather, but with the onset of warm weather, your clear pond may become green due to unsightly algal growth.

The nutrient build up over the winter months, actively feeding fish in warm weather and sun rays penetrating the pond surface create suitable conditions for phytoplankton to thrive. Phytoplankton or single celled algae make the clear pond water turn green or like pea soup. Algal blooms are not only visually unappealing, excessive algae also compete with fish and other aquatic creatures for dissolved oxygen during the night.



On cloudy days when single celled algae are unable to replenish oxygen with photosynthesis, depleted oxygen levels prove harmful to the fish and other water plants.



The Solution

Hydra Crystal is a **unique mineral-based formulation** that acts fast on the algal cells causing them to cluster together and descend to the bottom of the pond where it could be picked up by the pond filters. It is important to have the filters running and regularly cleaned during the treatment.

Hydra Crystal used in combination with **Hydra Bio Aquatic Boost** keeps the single-celled algae from returning.

Hydra Bio Aquatic Boost is blend of favourable bacteria that feeds on excess nutrients (on which algae survive) and thwarts algae growth.

How To Use

Usage Rates

Dilution 1:10,000

- ◆ **1 gm** of Hydra Crystal treats **10 litres** of water (2.2 gallons).
- ◆ **1 kg** of Hydra Crystal treats **10,000 litres** of water (2,200 gallons).
- ◆ **5 kg** of Hydra Crystal treats **50,000 litres** of water (11,000 gallons).
- ◆ **20 kg** of Hydra Crystal treats **200,000 litres** of water (44,000 gallons).



- ◆ It is recommended to use the product in conjunction with the external filter system to get maximum product benefit; although in absence of filters dead particles may be removed using the pond vacuum.
- ◆ Alternatively the dead algae cells may be left to settle at the bottom where it decompose over time.

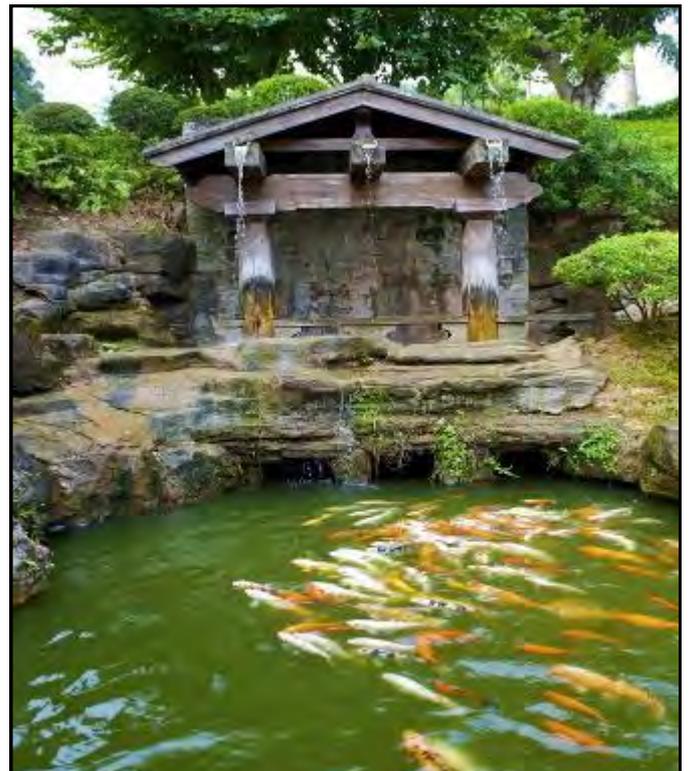
How does Hydra Crystal Work and How to Use:

- ◆ **Apply** Hydra Crystal **near the pump outlet** for thorough mixing in the pond or
- ◆ Mix with enough tap water and add as **slurry** to the pond

Use **Hydra Rapide** in large water bodies such as lakes and large ponds.

Calculate the exact amount of Hydra Crystal required for your pond Hydra Crystal acts immediately by latching onto the algal cell and causing them to clump together, the flocculated algal mass can then be removed through the filter system.

- ◆ **Keep the aeration pumps and UV lights working** during the green water treatment.
- ◆ Clean the mechanical filters prior to the treatment and to get best results frequently clean the filters (every other day).
- ◆ If required add an extra layer of **Hydra Pond Filter Blanket** so that it catches all minute dead algae particles.
- ◆ **Water starts to clear up almost immediately** after the product application to give you crystal clear water within 7 days.
- ◆ **To improve the product efficiency** and better results **keep the filters clean** throughout the treatment procedure till you get crystal clear water.



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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