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Proxim

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PRODUCTS FOR WATER TREATMENT IN NATURAL PONDS

Proxim

Water care in swimming ponds (natural swimming pools) or ornamental ponds is a complex issue, and actually, a universal recipe for problem-free pond maintenance is difficult to find. Water quality should be the focus in the early stages of planning, designing and building a new pond. In fact, there are a host of factors affecting the biological, physical and chemical parameters of the water, all of which should be taken into account.

Pond water care should be based on the fact that a pond is a system of interlinked processes where any improper or unwarranted intervention can immediately ruin the very fragile equilibrium of the system that has been established, sometimes over many years.

Conversely, a prudent use of some biological (or even chemical) agents in accordance with the manufacturer's instructions can improve water quality and help avoid some problems that would otherwise need addressing.



Prevention and periodical water maintenance

Bio Pond Cleaner is a biological product helping establish and adjust natural biological processes, resulting in an optimal pond water quality.

This product has been developed by the Canadian company NVIRON Biosolutions Inc. in collaboration with Proxim s.r.o., Pardubice, Czech Republic. **BIO POND CLEANER** is a well-balanced combination of beneficial bacteria and enzymes, which very efficiently and effectively yet gently decompose organic impurities. The product reduces the amounts of nutrients used by algae for their growth, and the dead algae are used as food by bacteria which are contained in the product.

This helps reduce the deposit layers on the bottom of the pond, makes the water clearer and establishes a favourable biological equilibrium.

Dosage: add 1 kg of Bio Pond Cleaner per 200 cubic metres of water in the pond during 1 month.

Packaging: 50 g, 250 g, 1 kg

Water pH adjustment

Appropriate pH adjustment in the pond is a prerequisite for problem-free water maintenance. The optimum pH of the water in the pond is from 6.5 to 8.0. Use a tester to measure the water pH. If the pH is higher than 8.0 and the water exhibits a sufficient carbonate hardness, add **pH MINUS** in proportions of 1 litre per 100 cubic metres of water in order to reduce the pH level by roughly 0.1. Use a smaller amount if carbonate hardness is low. Apply the product diluted with water (one part pH MINUS and 2 to 5 parts of water) to the surface using a watering can.

Reduce the pH level slowly: the pH should not decrease by more than 1.0 during 24 hours. Periodical pH measurement in the pond is recommended.

Bear in mind that the pH level in the pond varies during the day. Be sure to compare pH data that is always measured at the same time of day.

Packaging: 1 l, 5 l

In collaboration with NVIRON Biosolutions Inc., Canada, manufactured and marketed by: Proxim s.r.o., Palackého 578, 530 02 Pardubice, Czech Republic, www.proxim-pu.cz tel. +420 466 530 357, fax: +420 466 531 635



Prevention against algae

The growth of algae poses a common problem encountered in ornamental ponds and swimming ponds. This is mostly due to a high nutrient content, especially phosphorus. While there are many causes of enhanced phosphorus input to the pond, few solutions to this problem exist.

Liquid **FLOCCULANT** is a product with a proven phosphorus reducing effect. Add FLOCCULANT as a preventive agent immediately after filling the pond with water or during periodical maintenance in spring. The product makes phosphorus compounds precipitate in the form of flakes that will settle on the bottom in 24 to 48 hours after application. It is good to remove the sediment from the bottom by pumping for aesthetic reasons, although this is not imperative – phosphorus cannot escape from the precipitate back to the water.

Dosage: 40 to 80 ml of the product per cubic metre of water

Packaging: 1 l, 5 l

The use of **CFH SORBENT**, consisting of brown granules possessing a high capacity for irreversibly binding phosphorus from water, is a very smart and modern method which is suitable for continuous removal of phosphorus from water. The product, in 1kg sachets, can be deposited at a site where water is flowing vigorously (a brook, filtering equipment, or filtered water outlet), or else the sorbent can be directly poured into a suitable compartment in the filtering system, from where the spent product can subsequently be easily removed. Once again, phosphorus is bound irreversibly and cannot be used by algae as a nutrient any more, even after the sorption capacity is depleted. It does not re-dissolve.

Dosage: 1 kg of CFH SORBENT per 10 to 40 cubic metres of water for roughly 2 months, depending on the amount of nutrients in the pond and on the point of location of the product in the pond system; in other words, on how effectively the product can trap phosphorus from the water

Packaging: 1 kg, 5 kg, 25 kg

Removing unwanted turbidity and green and blue-green algae

The application of **FLOCCULANT** is recommended if a green haze has been developing in your pond during warm days due to the growth of unicellular green and blue-green algae. This product will help clean your pond and make it clear within a few hours. The FLOCCULANT can be used even if fish are present in the pond, although the recommended dosage patterns must be strictly adhered to. The procedure can be repeated in 24 hours if the water was very hazy.

Dosage: 40 to 80 ml of the product per cubic metre of water

Packaging: 1 l, 5 l

ALGAE OXI beads is the product of choice if hair algae grows in your pond, specifically on the plastic film and on the pebbles on the bottom of the pond. Spread the recommended dose of the product uniformly onto the surface. Active oxygen will be released within minutes to destroy the cellular structure of the algae and kill it. The dead algae will float to the surface and can be removed mechanically with a net or skimmer or by vacuuming. Apply **BIO POND CLEANER** to renew biological processes in the water a few days after using ALGAE OXI.

Dosage: 30 to 50 g per square metre of water area

Packaging: 500 g, 1 kg, 5 kg

Use biocides safely. Always read the label and product information before use.

