

MALAMIX 17



**BIOLOGICAL MIX OF VITAMINS,
HERBAL EXTRACTS AND PLANT
EXTRACTS. FOR THE OPTIMAL
HEALTH OF YOUR POND FISH.**

Why is Malamix17 good for your pond?

On a daily basis, I treat fish with diseased skin. Most of the fish I treat have a mucus layer that is either too thick, too thin or has bad consistency. The fewer antibodies the mucus layer of the fish contains, the more likely that the fish will become diseased. Every pond contains a certain amount of pathogens: weaker fish are more susceptible to these dangers. The health of your fish starts with a healthy and strong mucus layer. Therefore, it is important to add **Malamix17** to your pond on a regular basis. This ideal mix of vitamins, herbal and plant extracts will increase the immune system of your fish in a significant way. The active ingredients of **Malamix17** are absorbed through both the skin and the gills of the fish. They enhance the health of the skin and form the basis for a healthy mucus layer, which in turn provides an optimal natural defense against diseases.

In addition, **Malamix17** also contains nutrients/enzymes which enhance the filter bacteria and probiotics in your pond. This improves the water quality and protects your fish against 'hole disease'.

How and when to use Malamix17?

To obtain an optimal mucus layer (and thus immunity), it is advisable to administer **Malamix17** every two to three months, from the moment the water temperature reaches 5°C. **Malamix17** consists of purely biological components, which means that overdosing is not possible. **Malamix17** is the ideal solution to restore water quality and cure the health of the mucus layer of your fish after a chemical treatment against parasites and bacteria.

Malamix17 contains the following 17 ingredients:

Aloe Vera Gel - Propolis - Spirulina - Chlorella - Calendula - Echinacea - Curcuma - Ginger - Astaxanthin - Inulin - Ginko Biloba - Eucalyptus - Ginseng - Vit A-C-D-E - Enzymes for nitrificant bacteria - Probiotics.

1. Aloë Vera Gel: Aloe Vera contains over 200 active components including vitamins, minerals, amino acids, enzymes, polysaccharide, and fatty acids. No wonder it's used for such a wide range of remedies. This plant is incredibly medicinal. Aloe helps boost the immune system, is great for the skin and reduces inflammation. Aloe Vera works disinfectant, antibiotic, antimicrobial, germicidal, antiseptic, antifungal and antiviral. The list of benefits and effects for this miraculous plant are many.

2. Propolis: Propolis is a resinous substance that bees collect from tree buds. Rich in flavonoids (a class of antioxidants), propolis has a long history of use as a natural treatment for a host of health problems. Propolis is known to have a stimulating effect on tissue growth, anti-inflammatory properties and a positive influence on the immune system.

3. Spirulina: Spirulina is a type of blue-green algae that is rich in protein, vitamins, minerals, and carotenoids (a type of antioxidant that can help protect cells from damage). It contains nutrients, including B complex vitamins, beta-carotene, vitamin E, manganese, zinc, copper, iron, selenium, and gamma linolenic acid (an essential fatty acid)....Studies suggest spirulina may boost the immune system, help protect against allergic reactions, and have antiviral and anticancer properties.

4. Chlorella: Rich in amino acids, algae is the most potent form of protein on the planet. Chlorella benefits, in particular, are high in vitamins, minerals, and essential fatty acids, but it is its high concentration of chlorophyll that renders it a powerful

detoxifying agent. Used regularly, Chlorella benefits would assist in the repair of damaged genetic material in human cells, protecting our health and slowing down the aging process. Chlorella benefits have been a proven effective supplement to cancer prevention and treatment due to its ability to accelerate the growth of immune cells and white blood cells.

5. Calendula: Calendula is applied to the skin to reduce pain and swelling (inflammation) and to treat poorly healing wounds and leg ulcers. Calendula has a long history of use as a wound-healing and skin-soothing botanical. Calendula is antiseptic, antitoxic and can be used as a natural antibiotic.

6. Echinacea: Echinacea seems to activate chemicals in the body that decrease inflammation. Laboratory research suggests that echinacea can stimulate the body's immune system.

7. Curcuma: Curcuma is as an effective anti-inflammatory agent and wound healer. Curcuma may help prevent, control or even kill several types of cancer, from its antioxidant activity that protects cells from damage.

8. Ginger: scientific research has revealed that ginger possesses numerous therapeutic properties including antioxidant effects, an ability to inhibit the formation of inflammatory compounds, and direct anti-inflammatory effects.

9. Astaxanthin: Astaxanthin is a powerful antioxidant classified as a carotenoid, which include organic pigments found in a variety of species of plants, algae, animals, bacteria and fungi. At its essence, Astaxanthin serves as one of the most powerful antioxidants that can be absorbed by fish. Astaxanthin has 100-500 times the antioxidant capacity of Vitamin E and 10 times the antioxidant capacity of beta-carotene.

10. Inulin: Inulin is a prebiotic that increases the activity of the beneficial bacteria in the gut, by acting as a "food" for the good bacteria in your digestive system. Inulin is a great constipation fiber and digestion help can be achieved very quickly, as a digestive supplement inulin works as a good source of fiber. Inulin has been shown to stimulate the immune system and inhibit harmful pathogens in the intestine that could otherwise harm the gut mucosa. Studies also show that diets containing inulin reduce colon cancer risk.

11. Ginkgo Biloba: Ginkgo Biloba is used to protect the arterial walls and may prevent atherosclerosis or hardening of the arteries by improving blood circulation. In addition, ginkgo Biloba has been shown to prevent blood clotting and prevent blood platelets from "sticking" together, technically referred to as "platelet aggregation". Ginkgo Biloba also protects the cells from free radicals and oxidative stress. Free radicals and oxidative stress are involved in numerous diseases, including heart disease and cancer. Ginkgo seeds contain substances that might kill the bacteria and fungi that cause infections in the body.

12. Eucalyptus: Eucalyptus stimulates immune system response, has anti-inflammatory and analgesic qualities. Other uses include treatment of wounds, burns, ulcers, and cancer.

13. Ginseng: Ginseng is beneficial to health and is a restorative and fortifying medicine suitable for those who suffer from tiredness or weakness. Boosting the immune system — it has been shown to increase white blood cell counts in fish, also believed to help the ill or weak regain strength and vigor.

14. Vitamin C : Vitamin C, also known as ascorbic acid, is a water-soluble vitamin found in many types of fruits and vegetables. Vitamin C also plays a major role in regulating your immune system. Many types of immune cells are stimulated by vitamin C, including white blood cells. These white blood cells help your body fight infection by attacking and killing viruses and bacteria. Vitamin C may also increase levels of antibodies in your body, which are another defense mechanism your immune system uses to attack invading microbes. Vitamin C has potent antioxidant properties, meaning it is able to reduce damage caused by oxidizing chemicals, such as free radicals.

15. Vitamin A-D-E: Vitamin A helps skin to repair, stay moist, and produce the enzymes that stabilize the production of collagen. Vitamin D is responsible for the growth and the structure of the skeleton. Vitamin E is an important vitamin required for the proper function of many organs in the body. It is also an antioxidant.

16. Nutrients/Enzymes for nitrifying bacteria: They insert a good breeding ground in which nitrifying bacteria develop faster. Nitrifying bacteria are bacteria that oxidize ammonium (NH₄⁺) to nitrate. Nitrification is implemented in two steps: 1) oxidation of ammonium to nitrite by bacteria of the genera Nitrosomonas and Nitrosococcus 2) oxidation of nitrite to nitrate by bacteria of the genus Nitrobacter and Nitrospina.

17. Probiotics: Probiotics contain live microorganisms, which can settle in our intestines/skin and strengthen our intestinal flora/skin. They have a beneficial effect on the fish. Probiotics eat the same food as the pathogenic bacteria. They have therefore direct anti-pathogenic effects by competing against these pathogens. They prevent the adhesion of pathogens in the intestinal wall, skin and in the environment. It gives a better absorption of nutrients from the food and works preventive against the hole disease in fish.