



baltic probiotics

Because of big demand of fish products, natural resources are getting low, that's why a big attention is concentrated in sector of aquaculture. But still there is some problems in aquaculture sector, for instance, weaken immune system and illness of fish and use of antibiotics, but that increase microbial resistance - a growing problem on a global scale. That is reason why "Baltic Probiotics", Ltd. works to find a new alternative way which would be friendly for human and environment and to solve these problems in aquaculture sector.

SMART FISHERY - A biological preparation containing effective microorganisms, fermented herbs and phyto-ferments for improving the microbiological quality of water. **SMART FISHERY** is produced through a natural fermentation process and it is not chemically synthesized or genetically modified (Non-GMO). It is biodegradable and safe for humans, animals and plants.

Ingredients:

Lactobacterias and yeast cultures, sugar cane molasses, natural minerals, sea salt, herbs extracts, chlorine-free water.

SMART FISHERY benefits:

- ✓ Limit the spread of pathogens and fish diseases. Scientifics researches in Latvia University of Agriculture concluded that **SMART FISHERY** reduces spread of following pathogens: *Aeromonas hydrophila*, *E.coli*, *Staphylococcus aureus*, *Streptococcus pyogenes*, *Enterococcus faecalis*, *Pseudomonas aeruginosa*, *Pasteurella multocida*, *Mannheimia haemolytica* etc.
 - ✓ Creates favorable feeding conditions to increase fish weight. Researches in Klaipėda University show significant impact of use of probiotics-based products on pikeperch (*Sander lucioperca*) and common carp (*Cyprinus carpio*) length, mass and general conditions both in recirculating aquaculture system and pond system. In case of use of probiotics-based products fishes were longer (up to 6.4 %) and mass was bigger (up to 18.6%) comparing with control (growing without probiotics).
 - ✓ Positive impact on morphology of fish digestive system. Researches in Klaipėda University confirm a positive impact of use of probiotics-based products on morphological parameters of two fish species (carp and zander) such as diameter of intestine, villi and crypt depth length.
 - ✓ Eliminates the causes of pollution.
- Inhibits the formation of ammonia and hydrogen sulphide.

O.D.I.N.N. LTD.

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Recommendation for usage:

1 : 100 - 1000 m³ depending of existing conditions. Usable for both open water body and closed systems. Using is the most effective when water temperature is above 10 °C.

Smart Fishery with feed. For carps use 1,0-1,5 ml of product for 1 kg feed. For sturgeon relative fish use 1,5-3,0 ml of product for 1 kg feed. Before use, dilute product with water at ratio 1:100. Spray dilution on feed and stir.

Smart Fishery in water pond. Use 5 - 15 ml of product for 1 m³ water. Use higher concentration in case of polluted water with algae, ammonia, putrid substances. Stir up product all over the water pond.

Smart Fishery for water pond fertilizer. Use 100 - 150 ml of product for 1 t organic fertilizing material. Keep fertilizing material for 2 months in anaerobic medium (3 months for best results). Before use, dilute product with water at ratio 1:100. Spray dilution on fertilizing material and stir.

Smart Fishery for fingerlings treatment. Use 60 - 100 ml of product for 1 m³ water. Keep fingerlings in processed water for 30 min to 2 hours. Before keeping fingerlings in water stir up product all over the water reservoir.

Storage:

Store at 5° - 50° C temperature and out of direct sunlight. Natural fermentation process may cause sediments or floating materials to form. This does not affect the efficiency and quality of **SMART FISHERY**.

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