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PRESS RELEASE



Bionetix® Provides All-Natural Feed Additive to Boost Health of Aquatic Species!

Following a decade of serious loss in the aquaculture industry, Bionetix® International is offering AQUA-FEED, a natural feed additive to boost the health of aquatic species and reduce the incidence of diseases!



Aquaculture, particularly shrimp

culture, has been severely impacted due to the occurrence of diseases including white spot, yellow head, and vibriosis. Mass mortality has occurred among cultured fresh water shrimp because of pathogenic yeast, harmful bacteria, and viral infections. Results of studying shrimp mortality have shown that the main cause is the deterioration of the aquaculture environment, which can lead to the degradation of shrimp immunity. Studies on enhancing

the immune mechanism of aquatic animals have been very successful in preventing the mass mortality of shrimp caused by pathogenic infections.



AQUA-FEED has the advantage of working naturally to improve both internal health and external environments. As an all-natural feed additive rich in β glucans, mannan-oligosaccharides (MOS), and other key ingredients including probiotics, AQUA-FEED is specially designed to reduce the incidence of disease and mortality while

improving weight gain for shrimp, fish, and other aquatic species.

Bioaugmentation with AQUA-FEED can:

- Improve the hydrolysis and absorption of the feed
- Supply beneficial bacteria in the intestine of shrimp/fish
- Improve the immunostimulants in the body
- Suppress pathogenic diseases in aqua-species intestines

Beneficial bacteria have already been demonstrated to be effective in the prevention of pathogenic infection in shrimp and may also enhance their growth rate. By adding AQUA-FEED to shrimp and fish feed, aquatic farmers may upgrade the quality of their feed and significantly reduce serious diseases such as white spot, yellow head, and the risk of vibriosis to humans after consumption.



In the interest of providing a healthy environment, bio-converter technology such as AQUA-FEED also assists in keeping aquaculture ponds clean and improves aquatic life. Ponds used for fish or prawn farming are consistently contaminated with bio-mass, shells, fecal matter, and more. This contamination leads to reduced oxygen levels and produces methane, ammonia, and hydrogen sulfide which are harmful to aquaculture and promote disease. The use of AQUA-FEED promotes healthy aerobic conditions that lead to the reduction of these substances and conversion of organic materials mainly into water and carbon dioxide. Some of the byproducts are consumed by zooplankton, and the rest are released into the atmosphere.

The benefits of AQUA-FEED are further enhanced in conjunction with BCP54, Bionetix® International's bioaugmentation product for the clarity of aquaculture ponds. In Asia, where the aquaculture industry is vigorous, a shrimp farm began using AQUA-FEED and BCP54 to improve water quality, control disease and fecal matter, and promote overall shrimp health. This natural treatment resulted in healthier shrimp, a significant survival rate, and increased average gain. Ultimately, the shrimp farm yield rate rose 20 to 30 percent.



In light of the expanding aquaculture industry and concerns about raising species in healthy and sustainable conditions—without antibiotics and harsh chemicals—it is all the more important to start considering natural solutions like those at Bionetix®. Boosting the quality

of aquatic feed with the positive bacterial and enzyme blend of AQUA-FEED is an important but relatively simple step in the process. The results are healthier fish, shrimp, and other aquatic species that can be consumed with greater peace of mind.

To find out more about Bionetix® AQUA-FEED, please visit:

http://www.bionetix-international.com/products/animal/Aqua-Feed_PDS_ENG_08-19-16.pdf

To learn more about Bionetix® innovative products, please visit:

<http://www.bionetix-international.com/>



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Bionetix® International produces biological waste treatment products that are used in thousands of field applications worldwide. The Biological Series of products—among the earliest products introduced by Bionetix Canada – can be found in countless food preparation and processing locations in the United States, Europe, South America, and Asia. Numerous municipalities around the world have accepted these products. Headquartered in Quebec, Canada; Bionetix International is a subsidiary of Cortec® Corporation. ISO 9001:2000 Certified.

Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified.

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