

Nitrifying Bioreactor

Nitrifying Bioreactor Technology (NB), is a bacterial consortium delivery system for aquaculture hatcheries that removes or neutralizes the rapid buildup of nitrous waste in packed shrimp tanks and ponds. The NB system allows closed system tanks or ponds to remain inhabitable without the need for constant water exchange. This new system has been developed for management of a larval prawn seed production system in prawn/shrimp hatcheries and comprises two bacterial consortium delivery systems known in the industry as bioreactors, and a pond or tank water recirculation system.

Salient Features:

- The organic aquaculture system enhances spawning and the survival rate of the shrimp larvae.
- Removes/neutralizes nitrous waste including ammonia.
- Can reduce significant operating expenses associated with chemical treatment, water temperature maintenance and other issues.

Major Application:

Can be used as a stand-alone product or as a component of an Organic Recirculation Prawn Seed Production System.

Major End Users

Aquaculture Industry, Hatcheries practicing aquaculture, Shrimp Farm.