

Application of sludge reduction questionnaire



Aquaculture is not an exact science, although many aspects of it are and with time as we learn more, more elements become exacting and the tools of science have an ever increasing role in success. Each farm and each pond is unique in terms of its water chemistry, its biological make-up, its construction, its inputs etc. Unlike chemicals which can be used at consistent rates, microbial products should not be used in this manner. At AquaInTech Inc., we understand this better than most companies (professional microbiologists developed these products) and are open with you about this. The bacteria in our product will degrade organic matter. This is a proven fact. How well they do it in your environment depends on many different factors, perhaps the most important of which is how much and how often you apply the product. The answers to the following questions will assist us in formulating a strategy for you to start with. Note we will give you guidelines. You know more about your farm than anyone else and you should decide as you use these tools how you can optimize use by observing the benefits that you see and changing application rates and frequencies accordingly.

Suggestions: For trials, choose as many ponds as you feel comfortable with. Typically this should be a minimum of five. Things to take note of:

1. The bacteria in these products are harmless and are already present in the pond, only at much lower numbers and different subspecies. You can not hurt your shrimp with them.
2. How well the bacteria do their job depends on the balance of nutrients being present in the ponds.
3. It is not likely that all ponds will see the same benefit or extent of benefit because they are not the same.
4. The color of the pond water typically changes within 24 hours of application to a brownish color. (see photo below)
5. Average use is between 600 and 800 tablets per cycle per ha.
6. We suggest you add molasses as a soluble carbon source 18 to 24 hours after the tablets have been added. This will ensure that the bacteria are not limited by carbon.
7. For possible benefits consult PRO4000 X flyer.

Date:		Farm Name:	
Farm Age:		Species:	
Ave pond size:		Pond #:	
¹ Water source:		Ave pond depth:	
Salinity range:		Temp. range:	
³ Cycle duration:		Stocking density:	
Ponds lined: Y N		² If Y, how much:	
³ Gram at harvest:		³ Survival:	
Access to Molasses: Y N			
⁴ Water exchange rate and frequency:			
⁵ Problems that limit production:			
Do you own or control hatchery: Y N			
Ponds aerated: Y N		Average HP:	
Comments:			

1-ocean, estuary, river, etc.

2-are they 0, 50 or 100% lined

3-average and range

4-how often do you exchange water and how much each time and total per cycle

5-diseases (WSSV or other viral), bacterial (vibriosis), environmental (low dissolved oxygen, other)

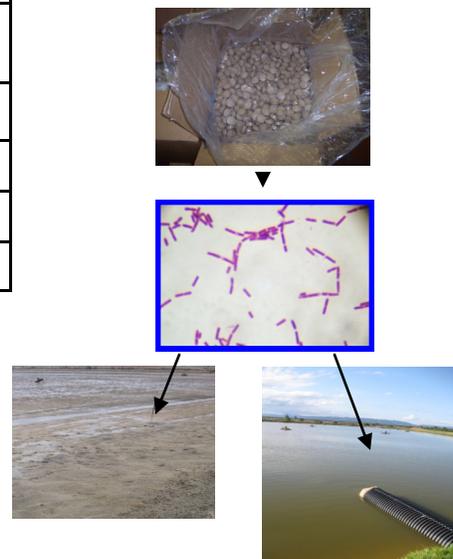
AQUA In TECH Inc. *Biotechnology benefiting aquaculture*

Tools and technology for sustainable aquaculture since 1996.

6722 162nd Place SW Lynnwood, WA 98037 USA

URL: www.aqua-in-tech.com and www.shrimpaquaculture.com

E mail: sgnewm@aqua-in-tech.com, sgnewm@hotmail.com, sgnewm@gmail.com



PLEASE EMAIL COMPLETED FORM