

RESULT OF AN EXPERIMENTATION ON RAISING BLACK GIANT TIGER PRAWNS

Mr. Narin Wongprapairoj

Songkhla agriculture college, Rattanaapum District, Songkhla province.

He experimented to raise giant tiger prawns from July 1993 - December 1995.

PURPOSES OF USING EM

1. To decrease the capital outlay.
2. To raise them until they are 120-140 days old without any problems.
3. To have the yield at least 1.5 ton/rai (40 prawns/kilo) and 1 ton/rai (30 prawn/kilo)
4. To conserve nature and the environment.

RESULTS

1. The water in the prawn pond was clean and clear. So the water and mud in the pond was not poisonous. Toxic planktons could not exist which had caused some problems previously with prawn gills and body.
2. pH of water and mud in the pond was adjusted to 7.8-7.9. Lime should be put in the pond if pH was lower than 7.7
3. Multiplied EM could solve the problem of luminous water by spraying throughout the pond in the evening at the rate of multiplied EM 50 litres: dry EM (powder Bokashi) 1 kilo: sugarcane 1-3 kilos/rai. If pH was low, marl/ dolomite should be put in the pond about 75-125 kilos/acre or 200-300 kilos/ha. It would be better in 2-3 days.
4. The risk rate for the changing of the water from inside to outside and from outside to inside the pond was decreased.
5. Organic matter in the pond was decomposed by EM which became the feed of planktons.
6. Epidemic and other disease such as the white dung disease could be prevented by EM and there were not any injured prawns in the pond. Disease microorganisms were destroyed.
7. The prawns were very healthy with high disease immunity, rapid growth and low mortality. The prawns' bodies were clean and clear and also shiny, the intestines were big and long. Therefore their growth was better than normal.
8. It was the good price for exporting prawns without toxic accumulation. The farmers could get for themselves not only the good price but also the low outlay.
9. The environment was conserved and full of natural food chains.
10. EM was the great asset to the farmers, it could take care of the prawns, and decrease the stress of both farmers and prawns and also it was long lasting (120-140 days old). Finally, he yielded 1.5 ton/rai (40 prawns/kilo) and 1 ton/rai (30 prawns/kilo) the same as he had planned.

USE OF EM

1. Lime should not be used with EM except marl, dolomite and ceolite or any kinds of chemical. If it was necessary to use some chemicals or antibiotics, EM use must be stopped for two days before. EM would be used again after stopping the use of chemicals for 3 days.
2. EM, Bokashi (powder) and molasses should be used together every time.
3. Whenever the prawns got a problem, the feed (10 kilos) would be mixed with EM (100-200 cc.), multiplied EM (200-300 cc.) and yoghurt (1 cup) for 4-8 hours it would be fed to the prawns twice a day for only five days consecutively then the problem would disappear.

(KNF Journal 5th year, Vol. 16, January-March 1996)