

# *Syntropy Malaysia* Sdn Bhd

## **Our Experience in Grouper Cultivation**

In April to September 2004 we were engaged with Grouper cultivation together with PPKJBS (South Johor Farmers Organization) at their facility at Gelang Patah, Johor.



They imported some 10,000 fry of Grouper with the size of 0.5 inch from Bali and grow them up to 3.5~4 inches in raceway, thereafter transfer them to cages to grow them further.

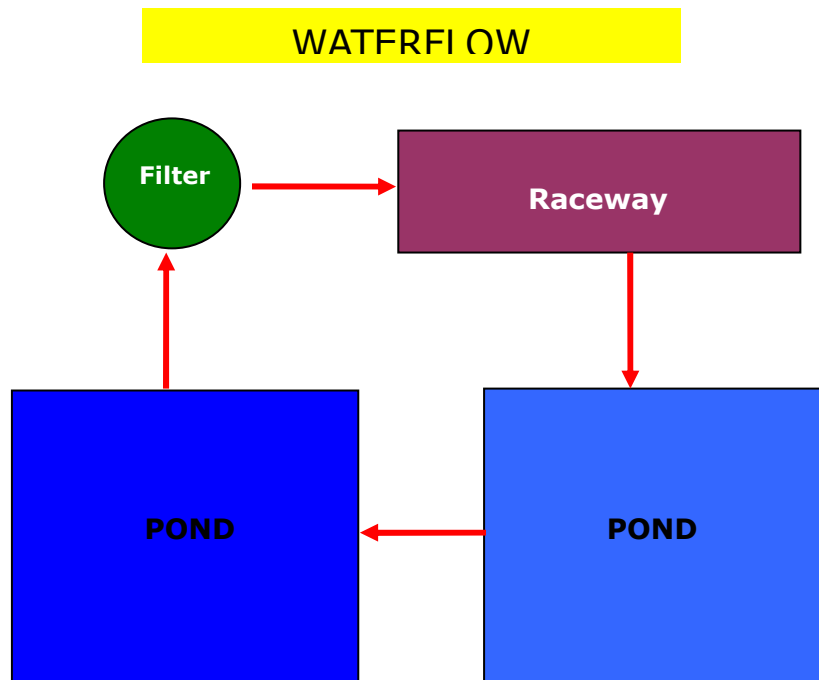


At sometime early 2004 they started this business with 10,000 fry but unfortunately 90 % of them died within 1 month from the commencement of their venture.

We offered our help and established a system to treat the water with EM for 4 rounds of cultivation. The results are illustrated below.

|               | Round 1          | Round 2          | Round 3         | Round 4        |
|---------------|------------------|------------------|-----------------|----------------|
| Period        | April 04~June 04 | May 04 ~ July 04 | June 04 ~Aug 04 | July 04~Sep 04 |
| Number of fry | 10,000           | 7,000            | 12,000          | 10,000         |
| Size of fry   | 0.5 inch         | 0.5 inch         | 0.5 inch        | 0.5 inch       |
| Harvest       | 3.5~4 inches     | 3.5~4 inches     | 3.5~4 inches    | 3.5~4 inches   |
| Death         | 1,415            | 411              | 2,195           | 1,936          |
| Mortality     | 14.15 %          | 5.87 %           | 18.29 %         | 19.36 %        |

Therefore mortality rate was only average 15.27 % !





**POND**



**POND**



**FILTER**