



STAC

SEPANG TODAY AQUACULTURE CENTRE

(NS0031400-X)

# Ornamental Fish Farming Course



Ornamental Fish  
**Farming**  
Course

## Course contents:

1. Biology and ecology of Arowana and other high valued ornamental fishes.
  - a. Reproduction
  - b. Mating, breeding of Arowana and other ornamental fishes
  
2. Farm design and set up
  - a. Pond, tank, and hapa net
  - b. Bio-filter design
  
3. Method of farming and hatchery operation
  
4. Pond and tank ecosystem
  - a. Balanced ecosystem and pond dynamics
  - b. Chemical factors, biological factors, and physical factors.
  - c. Water sources and treatment

## 5. Chemicals used and dosage of application

- a. ppm, mg/l, ppt and etc.
- b. Lime and liming, insecticide application, and etc
- c. Fertilizers :organic and inorganic

## 6. Water test kits ,microscope and instrument application

- a. pH meter ,pH universal solution,pH soil tester.
- b. Alkalinity tester, iron tester, chlorine tester, Ammonia tester and etc.

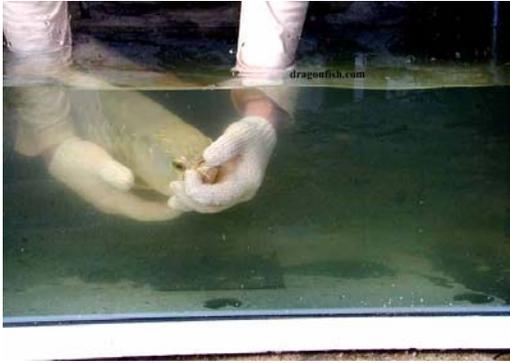
## 7. Feed and feeding

- a. Culture of live feed
- b. Artemia, rotifer, paramecium, copepod, moina and etc.
- c. Culture of green algae

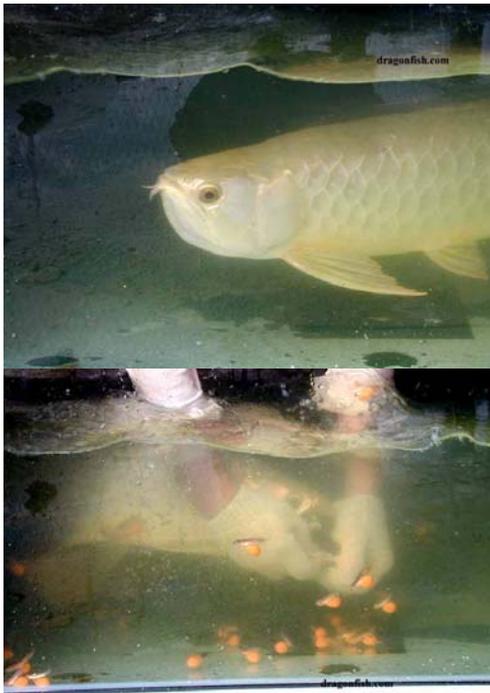
## 8. Harvest and packing for sale

## 9. Production cost and analysis

10. Disease, pests and control
  - a. Virus, bacteria, fungus, protozoa, fluke worm and lice
  - b. Insects; dragon fly, water beetle, and etc.
  
11. Assessment test and Q&A
  
12. Practical works at farm: pH, D.O., iron test and etc.
  - a. Use of microscope for plankton identification
  - b. Practical work for induced hormone, culture of algae and rotifer
  
13. Visit Arowana display center and aquarium fish farms



Arowana with eggs in male mouth cavity



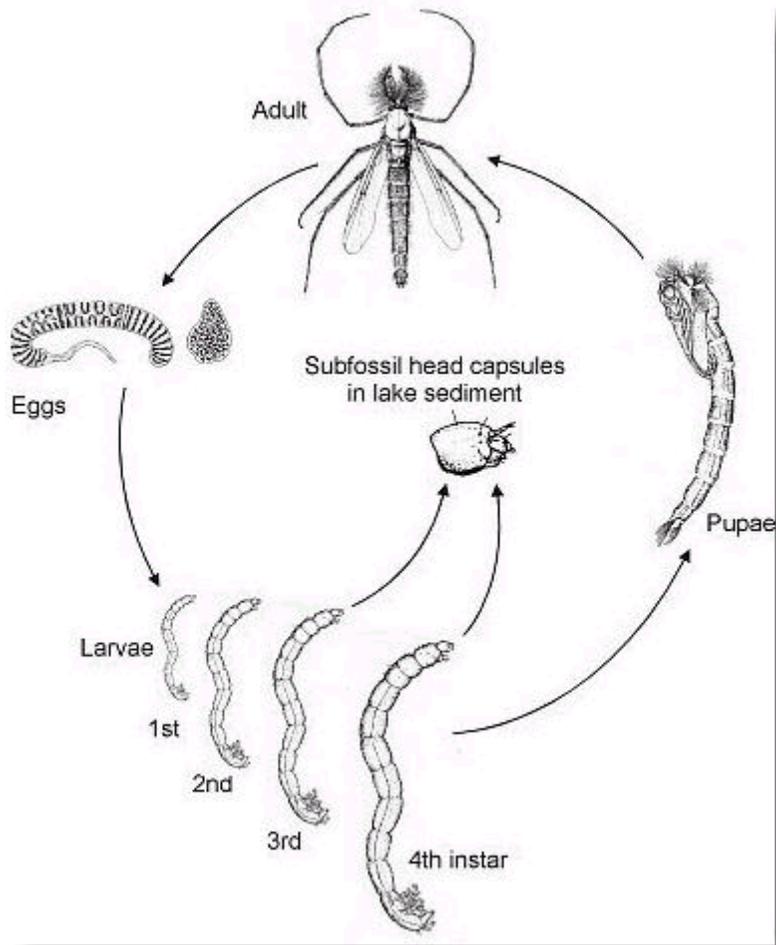
Removal of embryo from male mouth cavity



Arowana Fish of 8 cm priced USD200.00 per fish



Live Feed - Culture (Rotifer, Moina, Daphnia, Artemia, Red Worm)





© 2002 K. David Hambright



SEPANG TODAY AQUACULTURE CENTRE

(0031400-X)

85, Jalan Besar, 43950 Sungai Pelek, Selangor, Malaysia

Tel: (603) 31412761 Fax: (603) 31413948 H/P: (6012) 2838156, (019) 6608156

URL: [www.stac.com.my](http://www.stac.com.my) Email: [info@stac.com.my](mailto:info@stac.com.my)

[www.stac.com.my](http://www.stac.com.my)