

# Hatchery Technologies for Nile Tilapia and African Catfish

## Training Program

16 – 25 May, 2011

### Course Profile

The course is designed for aquaculture hatchery and farm operators & managers, researchers, technicians, and extension workers who seek hands-on training in modern aquaculture research and management techniques, especially in relation to tilapia and African catfish.

### Objectives of the Course

To provide up-to-date information on production methods shown to be reliable in the field and to demonstrate updated technology for mass production of tilapia and catfish seeds as well as its farming under different farming conditions **Annex 1**.

### Contents of the Program

The course contents will be delivered through lectures, practical training and demonstrations. A series of field visits will be conducted to selected hatcheries of various sizes and technologies. The detailed contents of the course are presented in **Annex 1**.

### Enrollment to the Course

#### Selection Criteria

Candidates applying to this program are expected to meet the following criteria:

- Must be a University graduate.
- Basic background in technical knowledge and skills on the propagation and farming of selected freshwater species, namely Nile tilapia (*Oreochromis niloticus*), and African catfish (*Clarias gariepinus*) will be highly preferred.
- Capable to discuss and receive the course contents **in English** which will be the language of the course. (Arabic interpretation will be available if needed).
- The participant is committed to full time participation in the course (training hours 9.00 am : to 3.00 pm).
- The participant should be physically fit to undertake the course
- Female participation in the course is strongly encouraged.

### Procedures for Application and Acceptance

The applicants are requested to fill in the information sheet attached (**Annex 2**). It will be a good idea to attach a CV if available.

The program coordinator will issue a preliminary acceptance letter to potential candidates who meet the selection criteria. Upon depositing the training fees (contact [Training-Egypt@worldfishcenter.org](mailto:Training-Egypt@worldfishcenter.org)), a formal letter of acceptance will be issued. Which may be used in applying for an entry visa. Course participants are requested to check with Egyptian Embassies at their home countries with regard to visa procedures (if required) and to determine if additional actions are needed (immunization, ... etc). Updated information will be sent to the participants as matters develop. Providing the

program management with all possible contact information will help to reach nominees whenever needed in a timely manner.

### **Administrative Arrangements**

#### **Location and Facilities**

The training program will be conducted at the WorldFish Regional Center at Abbassa, Sharkia, Egypt (located about 90 km from Cairo) where high class research and training facilities, excellent housing and catering, recreation facilities and 24-hour internet service, are all available.

**Transportation:** Meet and assistant at the airport and transport will be provided from/to Cairo Airport and to/from Abbassa according to flight schedules at the beginning and end of the program. Also, transportation will be provided during all events throughout the course.

**Housing:** The program will provide housing in a well equipped dormitory block on the site at Abbassa. We will do our best to provide single residences. High quality bathrooms and showers are well distributed outside and within a few meters of residence rooms. There will be special and separate accommodations for female participants. Meals will be provided throughout the program. Free laundry facilities are also available. In general, based on feedbacks of hundreds of trainees (96 countries), staying in Abbassa is an enjoyable experience.

#### **Training Fees**

The standard rate for training is US\$ 150 per day for each participant. For individuals from African countries, The WorldFish in Egypt will bear accommodation cost US\$ 30 per day, as contribution towards supporting aquaculture development in Africa. Nominated participants are kindly requested to deposit the course fees prior to issuing letters supporting their requests for entry VISA. Banking instruction will be forwarded to the course candidates when needed. The fee covers the full training period, local transportation and full board accommodation from the arrival day until the end of the course.

For more information, please contact:

Dr. Ahmed Nasr-Alla, Training Coordinator

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Fax: (+ 20 55) 3405578

Email : [Training-Egypt@worldfishcenter.org](mailto:Training-Egypt@worldfishcenter.org)

<http://www.worldfishcenter.org>

*Reducing poverty and hunger by improving fisheries and aquaculture.*

## Annex 1

### **Hatchery Technologies for Nile Tilapia and African Catfish**

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#### **Course outline**

- Aquaculture development with special emphasis on the present role of tilapia in Egyptian aquaculture
- Hatchery technology and seed production of Nile tilapia and African catfish
- Design of commercial tilapia hatcheries
- Developing management plans for commercial hatcheries
- Genetic enhancement and breeding programs for Nile tilapia and African catfish
- Nutrition and feeding strategies of tilapia fry and broodstock.
- Health management of tilapia hatcheries
- Field visit to a commercial hatchery
- Questions and answers related to all the issues raised in the course

**A visiting tour to historical and toristical sites during the weekend may be arranged.**

**ANNEX 2**

**INFORMATION SHEET**

To be returned, with a brief *Curriculum Vitae* to:

[Training-Egypt@worldfishcenter.org](mailto:Training-Egypt@worldfishcenter.org)

**Hatchery Technologies for Nile Tilapia and African Catfish**

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**PERSONAL DATA**

Family name:

First name:

Sex:

Date of birth (d/m/y):

Nationality:

Mailing address:

Country:

Tel. (Indicate country and area codes):

Fax (Indicate country and area codes):

e-mail addresses:

**EDUCATION**

Highest Degree Obtained:

University:

Country:

Area of Specialization:

**EMPLOYMENT OR ACTIVITY**

Present position:

Present post held since (indicate date):

Duties:

Name of Present Employer:

Address of Present Employer:

Country:

Tel. (Indicate country and area codes):

Fax (Indicate country and area codes):

e-mail address:

Website:

**Source of funding for attending this course:** (Self finance, government, others):

**Most important publications related to this course** (*attach if applicable*)

**Briefly let us know how you hope to use the training to enhance your capacity in your work**

**Language knowledge**

Language	Mother tongue	Very Good	Good	Fair
Arabic				
English				
French				
Spanish				
Others* (please specify)				

**How did you find out about this training course?**

Website		Website	
WorldFish		Through a friend	
Sarnissa		Others (Please specify)	

**Additional relevant information** (*If necessary*)