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# WOMEN/YOUTH - TARGETTED TRAININGS FOR ENHANCEMENT OF FAMILY INCOME

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A Training Proposal Submitted to OAU/STRC-SAFGRAD

By

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June, 2001.

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**1.1. Title of proposal:-**

Women/Youth Targeted Trainings for Poverty Alleviation and Self-reliance.

**1.2. BACKGROUND INFORMATION**

**i. Name:-**

National Agricultural Extension and Research Liaison Services, Ahmadu Bello University, Zaria, Nigeria.

**ii. Location:-**

Zaria, Nigeria

**iii. Address:-**

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**iv. Current occupation:-**

The National Agricultural Extension and Research Liaison Services (NAERLS) of Ahmadu Bello University, Zaria, is one of the research institutes and indeed the only agricultural extension institute in the country under the Federal Ministry of Agriculture and Rural Development. The Institute is charged with the primary responsibility of extension research as well as developing, packaging, disseminating and evaluating agricultural and rural development technologies in Nigeria. This responsibility is discharged through a combination of strategies which include:

a) Research in the area of agricultural extension.

- b) Client-tailored training workshops for extension agents and agricultural practitioners.
- c) Production of Audio and Video packages on agricultural technologies and information which are used for both training and broadcast.
- d) Collation, publication and distribution of technical agricultural information.

These activities are implemented within eight programme areas and five zonal offices of the Institute.

The Institute is involved in coordinating training activities on agricultural production at national and international level. It also designs and organizes conferences and implements activities directed at rural women and youths. The Institute has also designed and encouraged the implementation of various viable self-help development projects by rural women and youths in different parts of Nigeria.

The trainings listed in this proposal shall be executed through the various programme areas of the Institute in collaboration with relevant Research Institutes, Universities appropriate Federal and State agencies and private agencies.

**iv. Organization submitting Proposal:-**

National Agricultural Extension and Research Liaison Services, Ahmadu Bello University, Zaria, Nigeria.

**1.3. Statement of Project Objective:**

The project being proposed is aimed at capacity building for the women and youth and enhancing their capabilities to be self-employed. The training methodology shall involve lectures supported with audio-visuals, practicals (learning by doing), demonstrations, field visits, syndicate assignments, and work experience attachments. All lectures presented at trainings shall be published in the form of manuals, which will be given to all participants as reference materials.

The objective is to teach the participants the various agricultural enterprises which they can embark upon through using both human and material resources in their environment to become productive citizens in their community and the nation at large. (Training would be conducted in the local languages bearing in mind the caliber of participants). At the end of each of the training participants will be able to:-

- Organize themselves into viable groups/cooperatives.
- Select and plan activities that will meet their needs.
- Fully utilize both human and material resources available in their communities to improve their living conditions and that of the society at large.

#### **1.4. Justification**

Women contribute significantly to food production in addition to helping their husbands to produce their cash crops, harvest them and carry them to the market.

This assertion is supported by empirical findings where it was found that the percentage work done by women farmers far out weight that of man, i.e. women have higher level of participation in agriculture than men. In spite of their pivotal role in shaping the agricultural production processing and marketing, women have various limitations that retard them from producing at the expected capacity. These factors include, lack/limited access to production facilities, lack of access to extension services, lack of basic functional education etc.

The youths on the other hand constitute the most important strata of any society. They serve as channels for the transmission of information and the perpetuation of recognizable identity. They also provide the manpower for the socio-economic development of the society. In the rural sector, they provide opportunities for generating the farming entrepreneurship and other rural professions.

According to the 1991 census, the youths constitute about 46.1% of the population of Nigeria, and today this percentage would have risen. An important

aspect of the relative weight of the youths in the total population of Nigeria is its impact on socio-economic development. In addition to their contribution to family labour, they also constitute a moving force in the development of their communities. Over the years, however, the youths have continued to show pathetic sights of neglect and poverty. For Nigeria to move forward and achieve meaningful and enduring development, particularly in the rural sector, there is a need to properly harness and channel the creative and innovative energies of our women and youths to productive ends. One of the ways of doing this is to mobilize and train them in various productive ventures. The training being proposed in this submission are meant to fulfil this objective.

# THE TRAINING COURSES

## 1. RUNNING A SMALL-SCALE HONEY PRODUCTION BUSINESS

### Objectives

To teach participants how to start and manage the art of beekeeping as an income generating activity. At the end of the course participants should be able to:

- a) Start and maintain their own bee colonies.
- b) Generate reasonable income from bee keeping.

### Course Contents:

- a) History of bee keeping.
- b) Wild bee hunting.
- c) Modern bee keeping (apiculture).
- d) Bee Hive construction
- e) Colony and hiring a colony
- f) Common practice in apiary management
- g) Economics of bee keeping.
- h) Group formation and management.

**Participants:** Women & Youths

**Venue:** NAERLS

**Duration:** 1 week

**Cost:** ₦563,000



## 2. OPERATING A SMALL SOYBEAN COTTAGE INDUSTRY

### Objectives:

To teach participants how to start and operate a small soybean cottage industry as an income generating activity. At the end of the training the participants should be able to:

- a) set up a small soybean cottage industry,
- b) apply the appropriate techniques in organizing resources needed to operate the cottage industry;
- c) Produce the following products;
  - i. Cheese
  - ii. Flour
  - iii. Milk
  - iv. Dadawa
  - v. Dakuwa
  - vi. Fortified foods
  - vii. Complementary foods.

### Course Content:

- a) Nutritional Importance of Soybean
- b) Basic processing procedures.
- c) Demonstrations of techniques/recipes
- d) Starting a small soy products business.
- e) Economics of soybusiness and management
- f) Group formation and management

**Participants:** Women & Youth

**Venue;** NAERLS

**Duration:** 2 weeks

**Cost:** ₦569,000

### 3. OPERATING A SMALL-SCALE ORNAMENTAL AND LAND SCAPING BUSINESS.

#### Objectives:

To teach participants the basic skills needed to start, operate and manage small ornamental and landscaping business. At the end of this training, participants would be able to:

- a) Start a small ornamental and landscaping business.
- b) Know the different species of ornamental flowers and trees.
- c) Produce and manage ornamental flowers and trees.
- d) Know how to design landscapes

#### Course Content

- a) The various types of ornamental trees and flower species;
- b) Setting up of nurseries for ornamental trees and flowers;
- c) Recognition and control of ornamental plants pests and diseases;
- d) Training and pruning of ornamental trees and flowers;
- e) Site selection, preparation and establishment of gardens;
- f) Agro-forestry and land use management;
- g) Planting designs in landscaping;
- h) Marketing and record keeping;
- i) Credit sources, requirements and management;
- j) Group formation and management.

**Participants** - Women & Youths

**Venue** - NAERLS

**Duration:** - 2 weeks

**Cost:** - ₦555,000

#### 4. OPERATING AN ANIMAL TRACTION BUSINESS

##### Objectives:

To improve and strengthen participants capacity to operate and maintain draught animals for commercial farm power supply. At the end of the training participants should be able to:

- a. Select, train and maintain draught animals.
- b. Recognize and use various animal drawn implements
- c. Successfully Operate and financially maintain a small animal traction business.

##### Course Content:

- a) Utilization, Benefits and Limitations of animal traction technology.
- b) Selecting draught animals.
- c) Yoke and harnessing draft animals and their correct use.
- d) Care and maintenance of animal traction implements.
- e) Draft animal housing and their care.
- f) Nutrition of draft animals.
- g) Field operations using draft animals.
- h) Financial management of animal traction business

**Participants:** - Women & Youths.

**Venue:** - NAERLS

**Duration** - 1 week

**Cost:** - ₦558,800

## 5. MANAGING A SMALL-SCALE FISH PRODUCTION BUSINESS

### Objectives:

To teach participants how to set up and effectively manage a small profitable fish production business for fish protein supply and income. At the end of the course the participants should be able to:

- a) Appreciate the types and characteristics of the different methods of culturing fishes.
- b) Apply the basic management techniques of fishculture.

### Course Content:

- a) Fishculture systems
- b) Requirements, site selection and techniques for pond construction.
- c) Basic management techniques in pond fish culture.
- d) Techniques for financing, managing and marketing of small fishculture business.
- e) Profitable criteria and project analysis in fish culture.

**Participants:** Women & Youth

**Venue:** NAERLS

**Duration :** - 1 week

**Cost:** - ₦563,000

## 6. MANAGING A SMALL-SCALE VEGETABLES PRODUCTION BUSINESS

### Objectives:

To teach participants how to start and manage a small scale vegetable production business. At the end of the training the participants should be able to:

- a) Appraise and select site and other necessary materials needed to start a small scale vegetables production business.
- b) Apply the recommended practices in modern vegetables production.
- c) Manage a small scale vegetables production business successfully.

### Course Content:

- a) Important vegetable crops and their roles in diet.
- b) Factors to consider in setting up a small scale vegetables production venture.
- c) Recommended practices to use in small scale vegetables production.
- d) Economics and marketing techniques for small-scale vegetables production.
- e) Group formation and management.

**Participants:** - Women & Youths

**Venue:** - NAERLS

**Duration :** - 1 week

**Cost:** - ₦549,000

## 7. MANAGING A SMALL-SCALE FRUITS AND VEGETABLES PROCESSING AND PACKAGING BUSINESS

### Objectives:

To teach participants how to start a small scale packaging business. After the training, the trainees should be able to:

- a) To set up a small scale vegetables and fruit processing business.
- b) Apply the techniques of fruits and vegetables extraction.
- c) Apply the principles and methods of improved fruits and vegetables preservation and packaging.
- d) Apply simple fruits/vegetables business management and marketing procedures.

### Course Content

- a) Economic importance of fruits/vegetables.
- b) Chemical, biological and nutritional roles of fruits and vegetables.
- c) Principles and techniques of fruits and vegetables processing and preservation, and drinks production.
- d) Important fruits/vegetables products (Jam and Marmalade making).
- e) Food production and preservation.
- f) Marketing strategies for a small scale food fruits and vegetables packaging business.
- g) Group formation and management.

**Participants:-** Women & Youths

**Venue:** - NAERLS

**Duration :** - 1 week

**Cost:** - ₹551,000

## 8. MANAGING A SMALL-SCALE PIG PRODUCTION BUSINESS.

### Objectives:

This training is designed to strengthen the skills of participant in technologies for pig production with a view to improving the productivity of piggeries. At the end of the training, participants should be able to:

- a) Select appropriate breeding stock;
- b) Provide suitable low cost housing.
- c) Obtain appropriate feed stuff and formulate relevant feed rations.
- d) Identify certain diseases of pigs and be able to effect certain control measures.

### Course Content.

- a) Breeds and breeding of pigs;
- b) Housing and equipment for pigs;
- c) Feeds and feeding of pigs;
- d) Diseases of pigs and their control;
- e) Credit sources, requirements and management.

<b>Participants:-</b>	Women & Youths.
<b>Venue:</b>	- NAERLS
<b>Duration:</b>	- 1 week
<b>Cost:</b>	- ₦565,000

## 9. MANAGING A SMALL POULTRY PRODUCTION BUSINESS.

### Objectives:

This training is designed to strengthen the skills of participants in technologies for poultry production with a view to improving the productivity of poultry. At the end of the training, participants should be able to:

- b) Select appropriate breeding stock;
- c) Provide suitable low cost housing;
- d) Obtain appropriate feed stuff and formulate relevant feed rations.
- e) Identify certain diseases of poultry and be able to effect certain curative measures

### Course Content

- a) Breeds and breeding of poultry;
- b) Housing and equipment for poultry;
- c) Feeds and feeding of poultry;
- d) Poultry diseases and their control
- e) Credit sources, requirement and management;
- f) Marketing of poultry products.

**Participants:-** Women & Youths

**Venue:** - NAERLS

**Duration:** - 1 week

**Cost:** - N565,000



## 10. STARTING AND MANAGING A GRAPEVINE BUSINESS

### Objectives

The aim of the training is to update participants' knowledge and skills on the various aspects of grape vine production. At the end of the workshop, participants should be able to:

- a. Apply different cultural practices for grape-vine production
- b. Control pests and diseases of grape-vine
- c. Harvest and market grapevine
- d. Appreciate the economics of grape-vine production

### Course Content

- a. Site selection, preparation and establishment of orchard
- b. Cultural practices
- c. Training and Pruning of Seedlings
- d. Vegetative Pruning for fruit formation, recommended manure and fertilizer for grapevine production
- e. Water requirements and grapevine irrigation
- f. Weed control
- g. Pests and diseases management in grapevine
- h. Post-harvest handling and marketing of grape
- i. Economics of grapevine production.

<b>Participants:-</b>	Women & Youths
<b>Venue:</b>	- NAERLS
<b>Duration</b>	- 1 week
<b>Cost:</b>	- 490,000:00

## 11. FORMATION AND MANAGEMENT OF COOPERATIVES/FARM ASSOCIATIONS

### Objectives:

The aim is to educate participants on the principles of cooperatives and procedure for their formation and management. At the end of the training, participants will be able to:

- a) Start a farmers group/cooperative.
- b) Identify and implement viable projects in their groups/cooperatives.
- c) Apply appropriate principles in managing the groups/cooperatives.

### Course Content

- a) Formation and Management of Cooperatives
- b) Group Dynamics and Cooperative Activities
- c) Feasibility Appraisal of Cooperative Project
- d) Cooperative Accounting Procedures
- e) Financial Management of Cooperative
- f) Marketing Strategies for Cooperatives
- g) Cooperative Extension Strategies

**Participants:-** Women and Youths

**Venue:** - NAERLS

**Duration:** - 1 week

**Cost:** - 552,000:00

**Table 2: TRAINING PROGRAMME**

Training	Courses	Date of Training*	
		Year I	Year II
Course - 1	Running a small-scale Honey production business.		
Course - 2	Operating a small Soybean Cottage Industry		
Course - 3	Operating a small Ornamental and Landscaping business		
Course - 4	Operating an Animal Traction business		
Course - 5	Managing a small fish production business		
Course - 6	Managing a small vegetables production business		
Course - 7	Managing a small-scale fruits/vegetables packaging business		
Course - 8	Managing a small-scale pig production business		
Course - 9	Managing a small poultry production business		
Course - 10	Formation and Management of Cooperatives/Farmers' Associations		
Course - 11	Starting and Managing a Grapevine		

\*To be determined in consultation with the donors.

## Expected Output

- i. Each training will teach either production or processing technologies on a specific commodity. These technologies are:-
  - Bee-keeping technologies;
  - Technologies of processing soyabean into different products;
  - Ornamental a landscaping technologies;
  - Animal traction technologies;
  - Fish farming technologies;
  - Technologies on production of different vegetables;
  - Packaging technologies of fruits and vegetables;
  - Pig production technologies;
  - Poultry production technologies;
  - Grapevine production technologies;
  - Procedures and methodologies of formation and managing farm groups/ cooperatives.
- ii. In each of the trainings, 10 out the 20 participants will be members of women groups, who will be expected to go and impart the knowledge to their group members. So it is expected that one hundred and ten (110) women groups will benefit from the trainings each year and 220 groups in the 2 years of the project.
- iii. National Agricultural Extension and Research Liaison Services will obtain the various technologies from Research Institutes and disseminate same through the planned trainings to the beneficiaries.
- iv. Participants will be expected to start their own businesses using the information obtained at the training.
- v. The trainings listed in the proposal shall be executed through the various programme areas of the Institute in collaboration with relevant Research Institutes, Universities, appropriate Federal and State agencies, NGOs' and private agencies.

**f. Staff Capacity Development**

The institute needs to maintain its quality of staff and improve the capacity of many, so that skills are upgraded and standards are maintained. In meeting this need key staff involved will need to attend short courses and take part in symposia so that they remain in touch with the current theories, methodologies and practices in women and youth development.

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Department of Rural Economy and Agriculture (DREA)

African Union Specialized Technical Office on Research and Development

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2001-06

# Women-youth targeted trainings for enhancement of family income

**NAERLS**

Ahmadu Bello University, Nigeria

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