

**(E) Agricultural Development Projects (ADPs):**

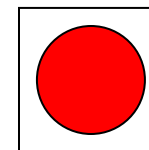
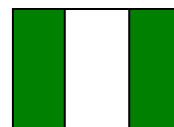
The ADPs were established in 1985 in all the states already created at that time with the focus on Small Scale Farmers who traditionally provide the bulk of the nation's food requirements. They are the extension arm of the State Ministries of Agriculture and Rural Development. One of the features of the ADPs is the integrated approach to the supply of inputs, infrastructure, rural roads, small dams, farm service centers, seed multiplication, farm inputs and distribution, extension, etc. The Projects Co-ordinating Unit (PCU) and the Agricultural Project Monitoring and Evaluation Unit (APMEU) supervise the ADPs. Five Research Institutes are charged with the zonal responsibilities of Co-ordinating the Research Extension Farmers' Input Linkage Systems (REFILS) of the ADPs located in the North Central, North East, North West, South East and South West ecological zones.

**TRAINING THE TRAINERS ON SAWAH BASED  
RICE PRODUCTION  
OPERATION AND MAINTENANCE OF SIMPLE  
FARM MACHINERIES**

**TECHNICAL COOPERATION  
PROGRAMME**

*Between*

FEDERAL MINISTRY OF AGRICULTURE AND RURAL  
DEVELOPMENT (FMA&RD) AND JAPAN  
INTERNATIONAL CO-OPERATION AGENCY (JICA)



**IMPLEMENTED BY:**

NATIONAL CEREALS RESEARCH INSTITUTE (NCRI)  
BADEGGI AND WATERSHED INITIATIVE IN NIGERIA  
(WIN 2001)

**Venue:** National Cereals Research Institute, Badeggi

**DATE:** 3 – 9 July, 2005



**BROCHURE**



### **Context & Rationale:**

The production constraints in lowland rice hamper maximum yield in Nigeria. Some identified production constraints include drudgery involved in the production system and poor water management practices. Therefore, the Watershed Initiative in Nigeria (WIN 2001) started a Sawah based rice production in 2002 with farmers in the Emikpata Watershed near Bida, Niger State with the grass root support from the Japanese Embassy in Nigeria. The farmers doubled their rice yield, using Power Tillers. Sawah (Suiden) is an appropriate intermediate technology aimed at improving water control and soil conservation in rice production. It is appropriate to Nigeria, however trained operators and maintainers of the machines are lacking. This training is organized to close this gap. In this pilot scheme, trainees were selected from 4 Agricultural Development Projects (ADPs) of Nassarawa, Niger, Kwara and the Federal Capital Territory (FCT), National Cereals Research Institute (NCRI) and Department of Agricultural Sciences (DAS).

### **Sponsors**

Japan International Co-operation Agency (JICA) with support from National Cereals Research Institute (NCRI) Badeggi and Watershed Initiative in Nigeria (WIN 2001).

### **Course Objectives**

- i) Reduce drudgery in rice production systems
- ii) Undertake integrated management practices in the Inland Valleys
- iii) Improve the characteristics of rice production systems
- iv) Increase the yield of rice in a sustainable form

### **Watershed Initiative in Nigeria (WIN 2001)**

Watershed Initiative in Nigeria (WIN 2001) is a Non-Governmental Organisation (NGO) incorporated in Nigeria under the Company and Allied Matters Decree No. 1, of 1990 in 2002. We are committed to the total development and management of small watersheds for farmers' emancipation and empowerment.

Our mission is to help resource poor farmers of inland valley watershed engage and prosper in the agricultural process of rice farming through *SAWAH* technology, agro-forestry, aquaculture and land management by using eco-friendly technologies that will protect the environment and whose products and services will permit them to capture more value and create opportunities for sustainable rural prosperity using an integrated rural development approach.

### **(D) Sponsoring Agency:**

#### **Japan International Co-operation Agency (JICA)**

Japan International Co-operation Agency (JICA) is a governmental organization of Japan for implementing technical cooperation to developing countries on the basis of Official Development Assistance (ODA). Its activities are funded by the governmental budget of Japan, that is, the taxes collected from Japanese nationals. Consequently, all the assistance carried out by JICA Nigeria Office in Nigeria originates from financial contribution from Japanese people.

JICA is obliged to make clear explanation to Japanese people on its expenditure for assistance activities both on its effectiveness and efficiency. The ex-participants of JICA training, consultants, NGOs and other organizations who get assistance from JICA Nigeria Office for their activities of social development should therefore have the same obligation to the Office.

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#### **C) IMPLEMENTING AGENCIES:**

##### **National Cereals Research Institute (NCRI)**

The National Cereals Research Institute (NCRI) as it is known today was established by an Agricultural Research Institute's Order of 1975. However, its history dates back to 1899 when it was first established as the Department of Agricultural Research, Moor Plantation, Ibadan. This makes NCRI the oldest Research Institute in Nigeria. The headquarters was moved to Badeggi, Niger State in 1984.

NCRI has the national mandate for genetic improvement of Rice, Oilseeds (Soybean, beniseed), Sugarcane, Acha and the Farming Systems and Extension in the Middle Belt Zone, which forms its area of coverage. It is the coordinating Research Institute for the 8 Agricultural Developments Projects (ADPs) located in the zone. NCRI is one of the 18 Agricultural based Research Institutes in Nigeria. It is under the supervision of the Department of Agricultural Sciences (DAS), Federal Ministry of Agriculture & Rural Development (FMA&RD), Abuja.

(v) Enhance the skills and capabilities of the trained Subject Matter Specialists (SMS) and farmers in operating, maintenance and repair of intermediate farm machineries – power tillers.

#### **Trainees' Profile**

This course is aimed at Agricultural professionals and practising farmers involved in rice production within the Agricultural Development Projects (ADPs) areas of operation and the Agricultural Superintendents in the Research Institutes charged with the extension delivery and national mandate on genetic improvement of rice respectively. They must be involved in national agricultural development projects, especially in lowland rice development programme.

#### **Programme**

The training course involves Technical Presentations, Practical Sessions and Field Work. Eight modules have been identified for the course as follows:

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|-----------------|--|
| <b>Module 1</b> | Water Management for Lowland Rice Production                   |
| <b>Module 2</b> | Challenges of Soil Tillage in Lowland Rice                     |
| <b>Module 3</b> | Handling, Operations and Maintenance of Farm Machineries       |
| <b>Module 4</b> | Sawah System and Power Tiller: A Necessity for Rice Production |
| <b>Module 5</b> | Agronomy of Rice and Rice Based Farming Systems                |
| <b>Module 6</b> | Diseases and Pests of Rice Production and their Management     |

**Module 7** Technology Usage and Compliance in Rice Production

**Module 8** Strategies for Technology Transfer in Current Dispensation.

### Course Period

Sunday 3 July 2005: Arrival of participants

Monday 4 July 2005: Registration, opening ceremony, pre-evaluation and technical sessions

Tuesday 5 July 2005: Practical Sessions

Wednesday 6 July 2005: Technical Sessions

Thursday 7 July 2005: Practical Sessions

Friday 8 July 2005: Technical Sessions and Post-evaluation

Saturday 9 July 2005: Departure

### Management of the Course

- ❖ Training Coordinator: M.E. Abo,(Ph.D.), NCRI
- ❖ Course Coordinator: O.O. Fashola (Ph.D.), WIN 2001
- ❖ Resource Coordinator: M.O. Alabi (Ph.D.), NCRI
- ❖ Administrative Assistants: T. Kareem/  
K. Onalapo, NCRI

### Acknowledgement

NCRI and WIN 2001 are profoundly grateful to Japan International Co-operation Agency (JICA) for sponsoring this very important and timely training course and also Prof. T. Wakatsuki for his total support for the project. We look forward to further co-operative work.

### B. List of Resource Persons/and Their Affiliations

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**DAY 6: SATURDAY 9 JULY 2005**

<b>8.00 – 9.00:</b>	<b>Departure of Participants to their various destinations</b>	
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**(A) Participating Institutions**

- (i) FCT – ADP  
SSQ 601-603 Gwagwalada  
P.M.B. 185, Garki – Abuja  
Tel. 09-8821449-451  
Fax: 09-8821450
- (ii) Nassarawa State ADP  
Opp. Revenue Board's Office  
P.M.B. 36 Lafia, Nassarawa State  
Tel. 047-20555
- (iii) National Cereals Research Institute (NCRI)  
Badeggi, P.M.B. 8 Bida, Niger State  
Tel. 08045214570, 08033770659
- (iv) Niger State ADP  
Maitumbi-Shiroro Road  
P.M.B. 132, Minna, Niger State  
Tel. 066-232189
- (v) Kwara State ADP  
Old Jebba Road  
P.M.B. 1383, Ilorin, Kwara State  
Tel. 031-220760, 221518
- (vi) Department of Agricultural Sciences (DAS)  
Federal Ministry of Agriculture & Rural Development (FMA&RD), Abuja  
Tel. 09-3144141, Fax: 09-3144142

**Technical Programme**

**DAY 1: MONDAY 4 JULY 2005**

08.00 – 9.00 a.m.	Registration	Administrative Assistants
09.00 – 9.10 a.m.	Arrival of Guests	
09.10 – 9.30 a.m.	Arrival of Director, DAS	Course Directors
09.30 – 09.40 a.m.	Arrival of Commissioner of Agric., Niger State	
09.40 – 10.00 a.m.	Recognition of Dignitaries	Fashola
10.00 – 10 00a.m	Welcome address by the Director, NCRI	
10.10 – 10.20 p.m.	Address by JICA country representative in Nigeria	
10.20 – 10.30 p.m.	Remarks by the Director, DAS.	
10.30 – 10.40	Remarks by the Hon. Commissioner for Agric. Niger State	
10.40 - 10.50	Vote of Thanks	Abo
10.50 – 11.00	National Anthem, followed by Group Photograph and Refreshments.	

**Technical Programme**

<b>DAY 1: MONDAY 4 JULY 2005</b>		
11.00 – 12.00	Pre-evaluation/ Briefing/Orientation	
12.00 – 13.30	Water Management for Lowland Rice	
13.30 – 14.30	Lunch Break	
14.30 – 16.00	Challenges of Soil Tillage in Lowland Rice	
16.00 – 16.40	Return to Hotel	
<b>DAY 2: TUESDAY, 5 JULY, 2005</b>		
8.00 – 9.00	Breakfast & Departure from Hotel	Group Transport
9.00 – 12.00	Practical	Hasegawa
12.00 – 14.00	L u n c h	-
14.00 – 16.00	Practical	Okusami
<b>DAY 3: WEDNESDAY, JULY 6, 2005</b>		
8.00 – 9.00	Breakfast & Departure from Hotel	Group Transport
9.00 – 10.30	Handling, Operations and Maintenance of Farm Machineries	Adelaiye
10.30 – 12.00	Sawah System and Power Tiller a necessity for Sustainable Rice Production	Fashola

<b>DAY 3: MONDAY 4 JULY 2005</b>		
12.30 - 14.00	Agronomy of Rice and Rice Based Farming Systems	Alabi
14.00 – 15.00	Lunch Break	
15.00 – 16.30	Pests and Diseases of Rice and their Management	Ukwungwu
<b>DAY 4: THURSDAY, 7 JULY, 2005</b>		
8.00 – 9.00	Break-fast & Departure from Hotel	Group Transport
9.00 – 12.00	Practical	Adelaiye/Fashola
12.00 – 14.00	Lunch Break	
14.00 – 16.00	Practical	Alabi/Ukwungwu
<b>DAY 5: FRIDAY, JULY 8, 2005</b>		
8.00 - 9.00	Breakfast & Departure from Hotel	Group Transport
9.00 – 10.30	Technologies Usage and Compliance in Rice Procution	Fatoba
10.30 – 12.00	Strategies for Technology Transfer in Current Dispensation	Tologbonse
12.00 – 12.30	Tea Break	
12.30 - 14.00	Post-evaluation	Course Directors
14.00 – 16.00	Lunch Break	
16.00 – 17.00	Closing Ceremony & Distribution of Certificates of Attendance	Director, NCRI

