



Bangladesh Water Development Board (BWDB)



Kingdom of the Netherlands



Department of Agricultural Extension (DAE)



Training report

Third Batch FT –TOT , Patuakhali

**16 -23 August & 26-28 September
2017**



Training Report, 3rd Batch FT-TOT

November , 2017

Blue Gold Program

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Training Report

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1. Introduction

Training is pre-requisite for skill development. For FFS it is essential to train FFS facilitators by giving hands-on-training on technical issues and facilitation skills. Training and capacity building through participatory and experiential learning will help FFS facilitator to give their service effectively.

The selected Farmer Trainers have already been trained on Fisheries-Beef fattening-Nutrition modules. Now a two-week long Training of Trainers (ToT) course was organized to develop their knowledge and skills on local poultry, homestead garden and market orientation. The 10th cycle FFS will be run on those modules.

Objectives of the TOT

- To increase capacity of FFS facilitator by following participatory approach
- To provide technical knowledge on Homestead and local Poultry with market orientation.
- To provide orientation on Blue Gold activities

Duration of the Course : 11 days (16 -23 August and 26-28 September 2017)

Venue: CODEC center Patuakhali

This report covers 11 days schedule on homestead and Local Poultry module with market orientation .

2. Day 1

At the onset of the programme participants attended a pre-test. A formal question set was used for the pre-test.

A short formal inaugural session was organized for the training course. Deputy Director (DD) DAE (Department of Agricultural Extension-Patuakhali) attended as a special guest with Blue Gold experts. Blue Gold experts focused on importance of TOT on homestead, local poultry modules with market orientation and FT's role and responsibilities to run the FFS.

Deputy Director DAE talked on the roles and responsibilities of FTs for sustainable agricultural development at polder areas. He hoped that they will give their effort to help farmers for increasing income through homestead production. He offered all sorts of support from DAE as the department is part of this project. Then the DD formally inaugurated the ToT course and wished for its success.

The day schedule followed by primary activities of training course like participants expectation, training principles, group dynamics and introduction of homestead module and business issues.

2.2. Group dynamics, participant's expectation, training principle

Facilitator: Gias (Training Coordinator)

Methods : Group work, participatory discussion, role play

Objective of the session

- to increase capacity of FFS facilitators following participatory approach.

Through role play, group work, participatory discussion, facilitator focused on how a facilitator make a session interactive. Then he practiced group dynamics, training norms and showed its importance to create learning environment to run a FFS session effectively.

Learning message disseminated to the participants ;

- Participants learned the effectiveness of group dynamics for message dissemination and interactive discussion
- Understood how they can manage the session following training norms..

2.1. Farming is a business

Facilitator: Saifullah (Business Development Coordinator)

Methods: Participatory discussion, power point presentation

The objective of the session

- to orient the participants with a concept of 'farming is a business' and its importance for homestead production

Facilitator focused on why homestead garden needs to be considered as a business, how farmer can benefit from it.

Learning message disseminated to the participants ;

- Learned the concept of agriculture is a business
- Proper planning tools for making homestead production more profitable
- Learned the session facilitation steps on this content

3. Day 2

3.1 Introduction

Every day there was an option for selecting two Host Team Leaders (HTL). HTL managed the whole day training activities (Day's schedule writing, recap, introduction of facilitators, group work, field work etc. HTL started the day with recap and ice breaking.)

The content selected for the day covering Water Management Group (WMG) formation, introduction on homestead module, production planning, and crop budgeting and collective action.

3.2 WMG formation process, function

Facilitator: Motiur Rahman (Sr. Socio-Economist, Zonal Coordinator, Co-Chair Equitable Water management)

Methods: Power Point Presentation, interactive discussion

The objective of the session

- to orient the participants with WMG formation process

Facilitator explained why WMG needed to be formed for water management and livelihood improvement, how Blue Gold formed WMG at polder level by following BWDB roles etc.

Learning message disseminated to the participants ;

- FT's oriented WMG formation process
- Learned their role on strengthening water management group
- Learned their role for networking with line departments

3.3. Introduction of homestead module, production planning

Facilitator: Sumona Rani Das(Agricultural Expert)

Methods : Pictorial presentation, participatory discussion

The objectives of the session

- to introduce homestead module curriculum for FFS and its importance

Through interactive discussion facilitator focused on the Homestead curriculum, its importance for FFS members, planning for year round production etc.

Learning message disseminated to the participants ;

- Participants understood the importance of Homestead Modules (HG)
- Oriented with number of sessions, contents and duration
- Learned how to make a year round production plan through space planning and crop calendar
- They learned about this session conduction tools and steps.

3.3 Crop budgeting

Facilitator: Saifullah (Business Development Coordinator)

Methods: Power Point Presentation, interactive discussion

Objectives of the session

- to introduce crop budgeting and its importance for vegetable production

The discussion took place on what is crop budgeting, why it is important for homestead production, how farmer can prepare their homestead production budget. Facilitator showed dummy budget on different vegetables as an example.

Learning message disseminated to the participants ;

- Participants learned about the line items for crop budgeting (like variable and fixed cost)
- Learned how to prepare a crop budget

3.4 Collective action

Facilitator: Rabul Amin (Business Development Coordinator)

Methods: Role Play, interactive discussion

Objectives of the session

- to orient participants on collective action and its importance for homestead production

Participants performed played on collective action role for duckling purchasing.

Learning message disseminated to the participants ;

- They identified the benefit of collective action
- Role play is a good tool for session conduction

4. Day 3

4.1 Introduction

HTL conducted the session. It started with ice breaking and reviewed the whole session by question answering method.

The day schedule covered value chain, integrated pest management, good seed, seed bed preparation and management.

4.2 Value Chain and sustainable homestead production (HG)

Facilitator: Monayem (Business Development Coordinator)

Methods: Power Point Presentation, interactive discussion , Examples, Props

Objective of the session

- to orient the participants on market actors and their role for agricultural production

Facilitator focused his discussion on market, market actors and their role to make a market functional.

Learning message dessiminated to the participants ;

- Participants identified the market actor and their relationship
- Learned actors role to make homestead garden profitable

4.3 Integrated Pest Management (IPM)

Facilitator: Md. Ashraful Islam (Workgroup Leader EWM (co-chair)

Methods: Power point presentation, interactive discussion

Objectives of the session

- to identify elements of Integrated Pest management (IPM) and it's importance

Facilitator discussed on what does pest stands for, why we go for integrated pest management, interrelation between beneficial and harmful insect. Different techniques of integred pest management and good practice of agriculture was explained.

Learning message dessiminated to the participants ;

- Participants learned about elements of IPM
- Learned economic, environmental and health benefit of IPM
- Got idea on session conduction material and preparation

4.4 Good seed, seed bed preparation and management

Facilitator: Shamim Ahmed Eusuf (Agricultural Expert)

Methods: Interactive discussion, poster

Objectives of the session

- to give message on seed bed preparation, management and preservation

Facilitator discussed on selection of good seed and preservation technique. Then faciliator shared the basic information on seed bed preparation and its management. Technical information on seed bed treatment by using polythene, sawdust and hey.

Learning message dessiminated to the participants ;

- Participants learned to identify good quality seed through physical verification
- Learned measurement of seed bed preservation and its management
- Seed collection and preservation at homestead
- Got idea on session conduction material and preparation

5. Day 4

5.1 Introduction

After ice braking host team leaders re-caped the previous days learning session through questions and answer. Later day schedule declared by the participants.

The day schedule covered with theory and practical on raised bed and pit preparation and its importance, Farm Yard Manure preparation theory and practical, organic and inorganic fertilizer identification and their function.

5.2 Raised bed and pit preparation

Facilitator: Shamim Ahmed Eusuf (Agricultural Expert), Khaleque (Junior Master Trainer)

Methods: Interactive discussion, group work

Objective of the session

- to get hands-on training on ideal raised bed, pit and Farm Yard Manure preparation and its management

Facilitators discussed on benefit of raised bed and pit for year round vegetable production, vegetable selection, fertilizer and water management of raised bit and pit etc. Later a practical session conducted on raised and pit at a farmer house.

Learning message dessiminated to the participants;

- learned raised bed and ideal pit preparation.
- Made a year round vegetable production plan with raised bed and pit
- Learned fertilizer management
- Got an idea on session conduction methods and materials

5.3 Function of Chemical and organic fertilizer. Farm Yard Manure (FYM) preparation

Facilitator: Sumona Rani Das (Agri.Expert), Abdul Khaleque (Junior Master Trainer)

Methods: Group discussion, Interactive, Live materials

Objective of this session ;

- to learn about the function of different fertilizer and Farm Yard Manure preparation process

Facilitator displayed live sample of different inorganic fertilizer. Discussed on the functions of fertilizer, fertilizer deficiency symptom of vegetable plants, fertilizer application rate etc. Facilitator discussed on importance of organic fertilizer, Farm Yard Manure preparation process at homestead areas.

Learning message disseminated to the participants ;

- Participants learned how to prepare FYM pits with proper measurement
- Identified different chemical fertilizer
- Learned about the function of fertilizers
- Identified local materials for FYM preparation
- Got hands-on training for this session conduction.

6. Day 5

5.1. Introduction

HTL Recap the session by following same role as it done before.

The day schedule continued with trial on homestead vegetable and fruit, intercultural operation, bio-pesticide preparation and fruit tree management

5.2. Trial setup on vegetable and fruit, intercultural operation, bio-pesticide

Facilitator: Abdul Khaleque (Junior Master Trainer), Shamim Ahmed Eusuf (Agricultural Expert), Sumona Rani Das (Agricultural Expert)

Methods: Interactive discussion, Practical

Objectives of this session

- to learn about the importance of trial set up
- to learn about intercultural operation and bio-pesticide preparation

Facilitator talked on trial set up for vegetable and fruit cultivation and its importance for experiential learning. Through interactive discussion facilitator focused on importance of intercultural operation and its elements.

For bio-pesticide there was a practical session took place by using local materials like detergent powder, *Neem leaf*, chilli and garlic powder etc.

Learning message disseminated to the participants;

- Identified some trial on vegetable and fruit production
- Learned about the intercultural operation elements
- Identified local materials for bio-pesticide preparation and its use

5.3. Fruit tree management

Facilitator: Abdul Khaleque (Junior Master Trainer), Shamim Ahmed Eusuf (Agricultural Expert),

Methods: Interactive and participatory, Practical , Live sample

Objective of this session was ;

- to give importance on increase of fruit production technique at homestead area.

Facilitators talked about the importance of fruit production, scope for increasing fruit production at homestead areas and fruit tree management .

Through practical session facilitators showed the sapling selection criteria , plantation technic, fertilization technic, water management, pruning intercultural operation etc .

Learning mesage disseminated to the participants;

- Participants learned about the sapling selection and plantation technique
- Learned about the intercultural opeartion for fruit production

6. Day 6

6.1. Introduction

Recap started with ice breaking and then followed the same role as it done before.

The day schedule continued with practical on pest and disease identification and management, Agro-ecological system Analysis

6.1. Practical on pest identification on vegetables and fruit production , management, AESA

Facilitator: Abdul Khaleque (Junior Master Trainer), Shamim Ahmed Eusuf (Agricultural Expert), Sumona Rani Das (Agricultural Expert)

Methods: vegetable field visit, Place Sikhathi, Polder 2^F

Objective of the session

- to give practical knowledge on common pest and disease management at homestead vegetable and fruit production

Facilitators with all participants visited vegetables fields and collected pest and disease affected samples, insects, from fields. Then the collected samples were categorised into three groups, beneficial insects, harmful insects, disease and insect infected fruit and vegetables.

They visited three farmer house and conducted Agro-Ecological System Analysis.

Learning message disseminated to the participants ;

- Participants experienced on common pest and disease at vegetable fields
- Learned about the cost effective measurement
- Problem analysis and decision making process by following AESA

5. Day 7

6.1 Recap

Facilitator: House Team Leaders, Methods: Interactive and participatory

Recap started with ice braking. All participants divided into two groups and reviewed their learning by answering question.

The day schedule continued with networking, ICT, community meeting and Gender

5.1. Networking, ICT for marketing and production information

Facilitator: Rabiul Amin & Saifulla (Business Development Coordinator)

Methods: Power Point , interactive discussion , video clip

Objective of the session

- to orient the participants with networking and different ICT option for agricultural production

Facilitator showed the networking areas for vegetable production and farmers benefiting areas. ICT option for collecting information on agricultural production and marketing issues displayed to the participants.

Learning message disseminated

- Learned about the essential networking field
- Learned about available ICT options and its use technic

5.1. Community meeting (field work, Polder-2D)

Facilitator: Abdul Khaleque (Junior Master Trainer), Shamim Ahmed Eusuf (Agricultural Expert), Sumona Rani Das (Agricultural Expert)

Methods: interactive discussion, Practice at field

Objective of the session

- to show the community meeting conduction process

It was a dummy community meeting session. Facilitators conducted the session and showed the participants how they make a primary list of FFS participants through this meeting.

Learning message disseminated by this session

- Learned how to facilitate a community meeting
- FTs made a tentative primary list of FFS member by using a format.

5.2. Economic empowerment of FFS members

Facilitator: Roksana Begum (Gender Expert)

Methods: interactive discussion, power point presentation

Objective of the session

- to orient the participants on Blue Gold Gender Approach

Facilitator focused her discussion on general concept of gender, economic empowerment, Blue Gold gender approach, scope of work on women empowerment anti-harassment policy etc.

Learning message disseminated by this session

- Common understanding on Blue Gold Gender Approach
- Scope of work for women empowerment through FFS

6. Day 8

6.1. Introduction

Participants were evaluated by two ways. One was on formal post test through a question set and another was competitive quiz contest on whole course among three groups. Later best performers appreciated by small gifts.

The schedule covered with other issues which are important for FFS conduction. Use of ODK, record keeping, Ballot Box use practiced with homestead module are practiced at class room. Blue Gold cross cutting issues like gender and disaster risk reduce also covered.

5.1. Benchmark Survey and FFS register

Facilitator: Shamim Ahmed Eusuf (Agricultural Expert), Sumona Rani Das (Agricultural Expert)

Methods : Practical ,ODK form

Facilitator shared the benchmark and endline survey form and explained every field elaborately to the participants. Showed them the ODK form. After that along with Facilitators all participants fill up benchmark survey form by using tablet.

FFS registered for HG modules fill-uped by the participants.

5.1. Ballot Box preparation and Question setting

Facilitator: Sumona rani Das (Agricultural Expert), Khaleque (Junior Master Trainer)

Methods: Interactive and participatory, Practical

Facilitator discussed on the importance of ballot box test on Homestead module. Showed question preparation and setting system on HG module for participants knowledge test. Every participants made a ballot box with art paper, set questions with sample.

6.2 Disaster Risk Reduction and BlueGold Perspective

Facilitator: Joynal Abedin (Environmental Expert)

Methods: Interactive and participatory discussion, Power Point presentation

Through power point presentation facilitators shared some government role for implementing any development project in Bangladesh. Then he discussed on the coastal areas senarion and Blue Gold Programe activities.

Objective of this session

- to orient the Blue Gold approach on Disaster Risk reduction

Learning message

- learned about Blue Gold following rules for implementation LCS activities
- Rules for infrastucture construction considering environment

5.2. Closing ceremony

Zonal Coordinator , Agricultural Experts, Value Chain Experts attended the closing session.

Two FTs spoke on closing event. They gave an over all opinion on training programme. They mentioned that on HG they learned lots of new technologies and will adopt the technologies by themselves first. As a polder dweller they will try to help farmers for increasing their homestead production.

Blue Zonal Coordinator and other experts thanked the participants for attending eight days long training course and their hard work. Hope that they will able to help WMG people at polder to increase their prodcution and income. They opined that the training learning will be fruitfull if the polder dwellers get real benefit on agricultural production if they make it profitable through market orientation .

Note:

- During the TOT, every day a planning meeting took place in the evening. All facilitators and house team leaders attended these meetings. House team leaders and facilitators reviewed the whole day activities to learn from the participants their views regarding the facilitation, topics discussed, practical sessions and others. They noted down the issues and action taken according to meeting and then discussed the plan for the following day.

1. Day 9 (Local poultry part)

At the onset of the programme participants attended a pre-test on poultry modules. A formal question set was used for the pre-test.

The day schedule continued with introduction of Poultry module, planning, housing, broody hen management and primary health care and disease management.

Facilitator: Dr. Munir (Livestock Expert) , Dr. Lutfor Rahman (Focal Point Department of Livestock Services) , Monayem (Business Development Coordinator)

Methods: Interactive and participatory discussion, Power Point presentation, Practical , group Work

The objectives of the session

- to introduce local poultry module curriculum for FFS
- to give information on technical issues of poultry rearing

Through practical and group works facilitators provided information on importance of production planning, benefit of improved poultry shed, broody hen management and disease management etc, business plan, budgeting etc.

Learning message disseminated to the participants ;

- Oriented with number of sessions, contents and duration of poultry module
- Learned how to make proper planning for a poultry rearer
- Participants learned on common disease of poultry and their management
- Learned about the improved housing
- learned how to prepared hazol by local materials
- They learned about this session conduction tools and steps.

2. Day 10 (Local poultry part)

2.1 Recap

Facilitator: HTL Methods: Interactive and participatory

Recap started with ice breaking. All participants divided into two groups and reviewed their learning by answering question.

The day schedule continued with laying and broody hen management, chicks rearing, farm management analysis (FMA) of poultry , input management etc.

Facilitator: Dr. Munir (Livestock Expert), Dr. Lutfor (focal Point), Rabiul Amin (BDC), Input seller, Shamim Ahmed Eusuf(Agri.Expert) District Livestock Officer Patuakhali, Methods: Interactive and participatory discussion, field practice

The objectives of the session

- to give information on technical issues of poultry rearing

Facilitators focused on laying and broody hen management technologies, Farm Management Analysis (FMA) for improve management, and input management, linkages with input traders etc.

Learning message disseminated to the participants ;

- Through practical work participants learned about chicks and broody hen seperating
- Learned about the importance of FMA for poultry rearing
- Got information of input seller and their address .

3. Day 11

Facilitator: HTL, Methods: Interactive and participatory

Recap started with ice braking. All participants divided into two groups and reviewed their learning by answering question.

The objectives of the session

- to give information on technical issues of poultry rearing (participatory epidemiology, trial set etc.)

Facilitator: Dr. Munir, Dr. Lutfor, CPW, FFS farmer Methods: Interactive and participatory discussion

Learning message disseminated to the participants ;

- learned about the preventive measures for disease prevention
- Importance of trail set up for poultry rearing

The sessions cloed with a cloing ceremony. Focal point and Blue Gold experts attended the sessions. After post evaluation best performer awarded with gifts

Appendix 1 Participants list

Sl no	English Name	Husband/Father Name	Village	Union	Upazila
1.	Salma Khan	Md. Nazir Ahmed Khan	Kutkhali	Chiknikhandi	Kolachipa
2.	Parvin	Ab. Malek Ghorami	Kollayan Kolas	17 Kolagachia	Golachipa
3.	Md. Nazrul Islam	Ab. Kader Akon	Lamna	Bokulbaria	Golachipa
4.	Asma	Md. Abdul Kashem Hang	Pashim Dularsar	Dularsar	Kolapara
5.	Murshida Begun	Mojibor Rahman	Khariza Betagi	Batagisankipur	Dashmina
6.	Suma Akther	Md Mahabub Alom	Mithagonj	4-Mithagonj	Kolapara
7.	Nusrat Jahan	Dulal Akon	Melapara	Mithagonj	Kolapara
8.	Md. Harun-OR-Rashid	Abdul Sattar Sikder Dublugonj	Banshbarai	Kolagachia	Kolagachia
9.	Hasina	Nurul Islam	Amtoli Para	Baliatoli	Kolapara
10.	Rabaya	MD. Shah Alom	Chuto Baliatoli	Baliatoli	Kolapara
11.	Md. Alamin	Abdus Subahan	Chunakhula	8-Bokulbaria	Golachipa

Sl no	English Name	Husband/Father Name	Village	Union	Upazila
12.	Md. Rasel	Md. Firoz Mahmud	Baishakhali	Mithagonj	Kolapara
13.	Khadija Akter	Abdus Sattar Howlader	Lamna	Bokulbaria	Golachipa
14.	Md. Masum Billah	Md. Wazed Ali Hang	Purbo Dublugonj	11- Dublugonj	Kolapara
15.	Apu Rani	Naresh Chandra Hang	Betagi Sankipur Dublugonj	3-Betagi Sankipur	Dashmina
16.	Khaiurn Nahar	Razzak Sarder	Chandpura	Alipura	Danshmina
17.	Sabina Yesmin	Md. Rustom	Majhgram	Chiknikandi	Golachipa
18.	Md. Sujan Gharime	Halem Ghorami	Bhat-Char, Bolykhati	Komlapur	Patuakhali
19.	Md. Nizam Uddin	Jonal Abedin	Noakata	9-Dulasar	Kolapara
20.	A.K.M Kamrul Islam	Ali Akbor Hang	Purbo Modhukhali	Mithagonj	Kolapara
21.	Alamin	Ab. Mutaleb	Mohasenuddin	Adabaria	Baufol
22.	Mamatag	Md Eunus Mulla	Dankhin Dharandi	Kamlapur	Patuakhali
23	Mrs. Zakia Sultana	Samsul Haque	Moishadi	Noamala	Baufol

Appendix 2 Test Result

Sl no	Name of the FTs	Pre test	Post test (Poultry)	Post test (HG)
1	Al- Amin-1	21	24.5	32.5
2	Md. Sujan Ghorami	17	22.5	22
3	Momotaj Begum	8	17.5	18
4	Asma Begum-MSS	15.5	28	36
5	Mrs. Jakia	19.5	Absent	Absent
6	Al- Amin-2	26.5	26.5	32.5
7	Mushida Begum	16.5	25	34.5
8	Apu Rani	18	26	28.5
9	Parvin	15	28	38
10	Salma Khan	19	27.5	39
11	Mst. Sabina Yesmin	12	24.5	22
12	Md. Harun-or- Rashid	12	21	34
13	Md. Nazrul Islam	19.5	26	37
14	Khadiza Begum	23.5	28	32
15	Khairun Nahar	15.5	19.5	28
16	Mrs. Nusrat Jahan	20.5	Absent	34
17	Suma Akter	14	26	34.5
18	Md. Nizam Uddin	13.5	14.5	20
19	Mrs. Rabeya Akter	19.5	18	32.5
20	A.K.M Kamrul Ishlam	15.5	22.5	18
21	Md. Rasel Howlader	27	28.5	32
22	Md. Masum Billah	27.5	22.5	30
23	Mrs. Hasina	19.5	26.5	33.5

Appendix 3 Pictures



