Village Chicken Production

Training Facilitator's Guide

Empowering New Generation to Improve Nutrition and Economic Opportunities (ENGINE)

Introduction

About the Trainer Guide

This manual provides a guide to the training of village chicken production. It is earmarked as a training aid of rural chicken keepers supported by ENGINE program. It is a simple manual to use and gives various training facilitation options for training facilitators. The main focus is on "learning by doing" and this is conducted through a class exercises and practical applications in the field.

This is a guide designed to serve as a "roadmap" for training facilitators while delivering training for rural households targeted for improved small scale chicken rearing as their household economic opportunities and nutrition enhancement. The facilitator guide is coined with Village Chicken Production Handbook that ENGINE has developed as a manual for village chicken production. The training facilitation will be more of trainees-centered through providing trainees "hands-on" work and also engaging them on in-house group exercise and on-field demonstrations.

The facilitator guide outlined in a similar fashion that the Village Chicken Production Handbook is sequenced. Likewise, this guide comprises basic background information, management, housing, feed and feeding and poultry healthcare.

Time to be spent for a given sessions, session learning objectives, the required training material including facilitation techniques outlined under each training sessions. Therefore, in every session, training facilitators are expected to do same while providing training for the chicken producers.

Over all Training Purpose

At the end of training completion, trained households who are engaged in rural chicken production:

- Understand, demonstrate and change in thinking on chicken management, housing, feeding and healthcare which are necessities for improved chicken production
- Employ improved village chicken production techniques to better make use supported chicken to combat hunger and improve household nutrition
- Be thoughtful of egg and chicken meat nutrition and health benefit for mothers and children
- Analyze the gendered nature of poultry rearing but skewed to women in terms control and decision to sale and disposal of the money to household food purchase

Training Materials

- Illustrations (photo, pictures, drawings)
- Live animals (chicken visiting rural vet clinic/post for medication)
- Locally relevant poultry drugs, vaccines and equipments (in vet clinic/health post)

- Field visit to nearby FTC (s) or farmer (s) house to see improved management, housing and feeding

Training Methods and Techniques

▪ Group Exercise ▪ Lecturing ▪ Brainstorming ▪ Field visit	▪ Question and answer ▪ Case study ▪ Role play ▪ Demonstration

Preparing for the Training

Training Venue

The venue where the training will take place should be good to be suitable for training; FTCs closer to trainees' residence need to be selected. The participants' seating arrangement need to be able to sit in a way that they can see each other and see you and also be comfortable. For this to happen, adopt the traditional seating arrangement at coffee ceremony instead of "chair-and-table" seat. The venue has to be large enough to seat all the participants comfortably and to allow the participants to break into small groups (teams) that will work on their own.

Preparation

We suggest that the trainer prepare each session/group exercises in advance and decide on the most effective way of communicating the information. Practice conducting the session or training. For some sessions, simple materials are needed like large sheets of paper, markers, pens, pencils, ropes, etc. While other sessions are more involved and may take several days to organize, especially when a field visit is recommended. Be sure to plan the exercises well in advance and make sure you are familiar with them and the related subject area. We highly encourage trainers to prepare "energizers", quick activities that re-energize participants when the energy level is down. These are not included in this manual. If you do not know any 'energizers', the following web sites may stimulate your creativity:

- http://www.meetingenergizers.com/
- http://www.ksde.org/LinkClick.aspx?fileticket=%2fIANJbRl2QM%3d&tabid=4067
- http://www.sustainable-employee-motivation.com/ice-breaker-games.html

Stationer materials required

- A white board/stand
- Flip chart and markers
- Masking tape

- Pencils
- Printed pictures, photos and drawings
- Writing pad (if need be)

Facilitator Guide

This guide provides step-by step guidance for conveying messages and also conducting exercises to help the participants learn various aspects of chicken production. The trainer should not feel limited by this training manual. We encourage trainers to develop their own exercises, case studies, and training tools. As the trainer becomes more experienced, we fully expect him/her to add to the trainings, adapt approaches, and tailor them to the specific needs of the communities.

Session 1: Getting to know each other

Session objective

By the end of this session, participants will be able to get to know each other and become comfortable working with each other. The group will also have the opportunity to set some workshop norms and rules (like start and day end time setting, participation, punctuality etc).

Duration: 25 minutes

Materials required

- Markers and flip chart

Activities

Activities:

- Welcome the participants to the improved village chicken production. Thank them for their time and for joining the group
- Conduct an 'ice breaker' to make participants feel at ease and motivate them. They should know this will be an important – and exciting – training!
- Ask the participants to introduce themselves. Ask each participant the following questions: ***5 minutes***
    - What is your name?
    - Where are you from?
    - Which domestic animal you like most and why?
    - What is your experience with chicken rearing?
- Ask participants:
    - Why are we here? What are your expectations from this training?
    - Listen carefully to their responses and then using the training time table share with participants the training objectives & agenda: ***10 minutes***

- ✦ Review the 2-days training Agenda and tell participants that the focus of this training will be to help them become better and more profitable chicken producers and better equipped to provide for their families as the sessions include discussions of human nutrition and gender roles: ***5 Minutes***

- Write down suggested training norms that trainees proposed and gain agreement on the final meeting 'best practices'

Day	Major topics to be covered	Remark
Day 1	▪ Introduction on village chicken production ▪ Flock Management ▪ Housing	Please stick to the facilitator guide for time allocation and refer to the Village Chicken Production Handbook for the messages to convey
Day 2:	▪ Feed and feeding ▪ Diseases and health management ▪ Profitability and marketing of products	

Session 2: Introduction on Village Chicken Production

Learning Objectives

At the end of this session, trainees will be able to describe/skilled:

- economic and nutrition importance of village chicken
- challenges encountered by village chicken producers and
- chicken rearing and its fundamental link with rural women role
- important natural behavior of chick that producers should
- capable to identify appropriate egg laying chick (en)

Duration: 60 Minutes

Training Materials

- Markers and flip chart

- Pictures (dust bathing hen, layer and non-layer hen)
- Live chick (en) – use chick visiting vet clinic/health post for service

Training Methods and Techniques

- Brainstorming
- Question and answering
- Flip chart presentation
- Illustration

Activities

I. Pose important question asking trainees how do they characterize village chicken focusing on egg production, number of chicken crop/year, brooding, hatching, economical, social and nutritional benefit of chicken, and major constraints village chicken rearing is facing: ***10 Minutes***

II. Jot down all the responses trainees responded for the above questions on a flip chart and ask participants agreement for each:***10 minutes***

III. Deliver a flip chart presentation focusing on village chicken egg laying performance, chicken egg and meat importance for human nutrition and household income, the gendered nature of chicken rearing and major chicken production constraints (Village Chicken Production Handbook 5-8): ***30 minutes***

IV. Get printed pictures (A_1) size drawings of bathing hen and layer and non-layer hen and displayed one by one for trainees to explain the importance of soil bathing to avoid parasitic burden and how can they identify good egg layer hen from the non-layer: ***10 Minutes***

Session 3: Flock Management

Learning Objectives

At the end of this session trainees will be able to know the basics of improved chicken management required for batter production and productivity of chicken

Duration: 60 minutes

Training Materials

- Flip chart and marker
- Printed drawings

Training Methods and Techniques

- Group exercise
- Flip chart presentation
- Question and answering

Activities

I. Divide trainees into 4 groups (maximum of 5 people in a group) and ask them to discuss on the below 4 management practices: ***10 minutes***

Group-1: what a general hygienic practice required to keep chicken healthy and productive?

Group 2: Who many chicken can be best managed at village level? What is wrong with too small flock size and with that of too large flock size?

Group 3: Better management practices known to the group at time of laying, brooding and hatching?

Group 4: Better management practices of natural incubation and hatching which is known to the group?

II. Ask the representative of each group to present the group discussion findings and initiate discussion: ***15 minutes***

III. Deliver flip chart presentation with illustrations on basic flock management practices required for hygienic and productivity of chicken (refer to ENGINE Village Chicken Production Handbook (10-15$_{pp}$): ***25 minutes***

IV. Wrap-up flock management session by using trainees how differently they can manage their chicken from know-on : 10 Minutes

Session 4: Housing

Learning Objective

At the end of this session trainees will be skilled to construct village level cost-effective chicken house that met the required technical standards and comprised basic facilities of perches and nests

Duration: 120 minutes

Training Materials

- Marker and flip chart
- Drawings/pictures of rural chicken house

- Chicken house construction equipments (Iron sheet, nail, 5mm wire mesh, wood, mud-brick)
- Measuring tape

Training Methods and Techniques

- Flip Chart presentation
- Group work
- Practical session (constructing rural village chicken house)
- Question and Answering

Activities

I. Refer to ENGINE Village Chicken Housing Handbook (16-17 $_{Pp}$) deliver flip chart presentation on chicken housing: ***30 minutes***

II. Divide trainees in to 4 equal groups and give each group the following responsibilities

Group 1: Work on chicken house site selection in the rural backyard

Group 2: To work on the perches

Group 3: Work on nest box

Group 4: Work on chicken house construction

III. Take all the group in a selected household backyard and provide them all the required materials for the construction of poultry house and its facilities

IV. Ask ***group 1*** to discuss for some time to advise the appropriate site for the house construction based on what they have experienced and learned at class: ***10 minutes***

V. Ask the other groups to construct the house and facilities assigned for their group: ***60 Minutes***

VI. Ask all the training participants to come together and look at what they did in their group and amend if any of the group deviate from the housing and facilities standards upon trainees trained in class (if need be): 20 minutes

Feed and Feeding

Learning Objective

At the end of this session trainees will understand that village chicken feed requirement cannot be met by scavenging only and will be capable to prepare cost effective poultry feed which is production and age appropriate

Duration: 120 minutes

Training Materials

- Ingredients of chicken feed (select 1 of the tables among table 4-8 of ENGINE Village Chicken Production Handbook)
- Marker and flip chart
- Weighing balance and local objects
- Cemented wall/plastic sheet
- Spade (mixing the different feed ingredients)

Training Methods and Techniques

- Flip Chart Presentation
- Group work
- Practical on feed mixing

Activities

I. Deliver flip chart presentation on feed and feeding of village chicken focusing on scavenge feed resource and the need to supplement, how much to feed and drink, mixing and formulating feeds of various age and production groups of chickens, drinkers and feeders (refer to ENGINE Village Chicken Production Handbook 19-29$_{pp}$) : ***40 minutes***

II. Following presentation, raise questions to check whether trainees know basic feed and feeding knowledge or not. Finally, make sure they feel confident to prepare chicken feed, know how much to feed and also be able to prepare feeders and drinkers: ***15 Minutes***

III. Divide trainees into 3 groups and assigned roles below: ***5 minutes***

Group 1: Mixing and formulating feed for 1 age group chicken

Group 2: Measuring the formulated feed decide how much to feed each age and production group of chicken

Group 3: Prepare feeders and drinkers from local materials

IV. Ask each group to work on their assigned role and present: *40 minutes*

V. Bring together trainees and discuss on how ease is feed formulation and feeding and how differently they will feed their chicken: *20 Minutes*

Diseases and Health Management

Learning Objectives

1. At the end of this session, trainees will be able to describe economically important poultry disease, their prevention, and control and treatment measures
2. At the end of this session, trainees can able to plan and implement vaccination and treatment calendar required to combat economically important poultry diseases

Duration: 110 Minutes

Training Materials

- Flip chart and marker
- Printed pictures of various diseases (A_1)
- Disease prevention and Treatment Calendar (A_1)
- Veterinary equipments (used in vaccinating and treating poultry)
- Poultry drugs and vaccines

Training Methods and Techniques

- Flip chart presentation with illustrations
- Group Exercise
- Case study
- Demonstration

Activities

I. Brainstorm trainees how they can differentiate sick chicken from healthy and jot down exhaustive list of characterization of the two, finally make summary: ***10 Minutes***

II. Divide trainees into 3 groups and ask them to discuss on major chicken diseases known to them mentioning the disease clinical sign, transmission and internal lesions: ***15 Minutes***

III. Ask each group to present their discussion findings and try to find the English equivalent of disease known to trainees: ***10 minutes***

IV. Focusing on those diseases known to trainees and you established the English equivalent already, deliver an illustrative presentation (refer ENGINE Village Chicken Production Handbook 31-39$_{pp}$): ***25 minutes***

V. Read Case study below for trainees and ask them who they will think can vaccinate and treat their chicken: ***5 minutes***

Case study:

Bizuayehu Banchir, a 36-year-old widow with three children lives in Dangla Woreda, Amhara Administrative Region. She started raising 11 chickens (10 layers and 1 cockerel) in 2012 but the number did not increase due to regular outbreaks of ND and parasitic infestations.

In the middle of 2012, she has continued to receive technical support and training on how best she can prevent her chickens from diseases. In this training she received, she clearly understands which season of the year is most important for disease prevention. Accordingly, she started to treat and vaccinate her chickens and has since participated in two treatment and vaccination campaigns, paying Ethiopian Birr 0.50 per bird per service to the nearby animal health technician working in the publicly administered veterinary health post.

In March 2013, she had 25 chickens and decided to sell 10 roosters. The roosters sold for ETB 50 each, raising a total of 500.00 birr. She used ETB 400.00 to buy a goat that has subsequently become pregnant. At the time of the interview, all of her children attend primary school.

VI. Use a A_1 sized printed diagram of treatment and vaccination calendar (refer to ENGINE Village Chicken Production Handbook 41-42$_{pp}$) and train them properly when and against

which disease a given vaccination and treatment service is need to be conducted: ***15 minutes***

VII. Introduce trainees with important vaccines and drugs available and demonstrate vaccination and treatment services appropriate to the local situation: ***20 minutes***

Profitability and Marketing of Products

Learning Objective

At the end of this session, trainees will be able to keep basic record and do cost benefit analysis for their chicken rearing

Duration: *45 Minutes*

Training Materials

- Marker and flip chart

Training Methods and Techniques

- Flip chart presentation
- Question and Answering

Activities

I. Flip chart presentation on chicken and egg for sale and record keeping: ***15 Minutes***

II. Exercise cost benefit calculation(refer ENGINE Village Chicken Production Handbook(45-46$_{pp}$): ***30 minutes***