

VOLUNTEER REPORT FORMAT

To be submitted to CRS at the end of volunteer assignment and shared with the Host

1.1 Assignment information

- a) Volunteer Name: Dr. Ali Beker
- b) State of Origin: Oklahoma State University OK , USA
- c) Host Organization: CRS
- d) Assignment: ET 128, Kombolcha Poultry Enterprise and ATVET College
- e) Dates of Assignment: Nov. 25 to Dec 9, 2017
- f) Number of days worked

1.2.1 Objective 1 in your SOW

1. Selection and care of poultry feed, advise on feed processing

a) Progress with the objective

In poultry production, over 70% of the cost of production goes to feed. Therefore, feed ingredients used in formulating diets for chickens should be based on available ingredients locally both in quantity and quality. The feed mill manger and employees were specifically informed to consider availability of feed ingredients they use to formulate rations consistently at a lower cost and better condition every time before they sign a contract with local venders.

Feed formulation software used by the feed mill uses standard tables that has nutrient requirements of chickens based on their stage of growth and average nutrient composition of feed ingredients used expressed on dry matter basis, DM. Diets formulated on DM basis should be converted to as fed basis to avoid under inclusion of nutrients in the diet mixed at the end. Feed mill employee were trained to check and recheck feed formulated is on as fed basis.

Mold growth occurs in feed ingredients used and formulated feed due to high moisture concentration and warmer storage temperature. Aflatoxin from the mold consumed with the feed mold negatively impact feed digestion, absorption and chicken performance. Techniques used to reduce mold growth and resulting impact of Aflatoxin was explained in detail and what to do in the new feed storage room under

construction, by installing ventilation fans and reduce the temperature using coolers was discussed.

There is a high demand for layers feed by farmers in and around Kombolcha. The feed mill owned by the enterprise is capable of mixing feed for the farm as well as individual small farms in the Kombolcha area provided that they plan and use the mill efficiently. Employee were advised to reexamined their feed ingredients supply and start preparing additional formulated feed to farmers in their area.

b) Expected impacts/results

The training given to the feed mill employee was well taken, they promised to apply the training they received, and will resume formulating feed for sale in the near future.

c) Recommendations1

It is highly recommended that the feed mill should start applying the training they received as soon as possible. Feed ingredients purchased should be very low in the mold content and free of weevil. It is also recommended that the enterprise should buy an infra red analyzer to check the nutrient composition of the diet mixed at the mill as needed and also give analysis service to all mills in the region and train ATVET College students about how to do nutrient analysis of feed and feed ingredients. The enterprise pays 2000 birr per sample at present. if they charge similar price for the service they give, the service will pay for the instrument in a short period of time.

1.2.2 Objective 2 in your SOW

Selection and care of hatching eggs focusing on practices of how to clean incubating eggs, fumigation and store eggs at the right temperature, relative humidity, and position the eggs in the storage room, setting incubators temperature, relative humidity, turning and ventilation of incubated eggs.

a) Progress with the objective

The farm was on the process of obtaining a new batch of replacement chicks from abroad. There was no egg production for incubation at the time. A slide presentation on possible factors that cause reduced egg production, how to clean incubating eggs, fumigation and store eggs at the right temperature, relative humidity, and position the eggs in the storage room, before setting them in the setter incubators, setting the temperature, relative humidity, turning and ventilation of incubated eggs, was carried followed by discussion on problems that were observed. In addition, a tour of the

hatchery was performed and at the spot problems were raised, possible cause and solutions discussed.

b) Expected impacts/results

The lower hatchability, infertility and higher rate of dead in shell observed in the hatchery and probable causes can be identified by doing hatch window tests. They have already started performing the test with data collected several times in the past. How to analyze data collected and interpret the result was demonstrated.

c) Recommendations

It is recommended that hatch window test should continue, collected data analyzed, interpreted and compiled. Results should be shared with hatcheries in the region to lower existing hatchery problems and improve hatchability.

1.2.3 Objective 3 in your SOW

Advise ATVET College on the science of poultry husbandry under scavenging, small scale and large scale production system, impact of poultry production on the environment, the impact of biosecurity in controlling disease spread, and conserving the good genetics of native chickens for the future.

a) Progress with the objective

The college community, over 250, participated very well with the slide presentation in the morning session. The whole afternoon was devoted to problems faced by the students when they were serving as an extension agents serving the farmer in their respective woredas of the region. some of the questions raised and addressed include

1. Shortage of balanced feed for purchase for their chickens at any stage of growth, leaving the farmers without choice and forcing them to feed only grains. Lack of feed caused their improved strain birds not to lay eggs and low body weight.

2. Objective of the program when improved layer strains were distributed to farmers was to improve egg availability on the market for consumption and nutritional status of the people. Crossing the hybrids resulted in segregation of the genetic makeup and were not breeding true. Farmers were complaining and demand for pure breeds chickens such as White Leghorn and Rode Island Red. They were planning to forward their request to higher authorities.

3. A very long discussion was carried on the question about whether the native chickens observed at the backyard of rural farms are really native chickens or unknown cross breed? What to do to conserve the good genetics in native chickens, disease resistance and survival under poor nutrition and environmental conditions?

b) Expected impacts/results

Participants are now aware of the difference between pure breeds and hybrids. they can't use hybrids for reproduction.

Farmers can form a group and request for veterinary service when they need to vaccinate their birds. This will minimize vaccine wastage.

Minimum amount of balanced feed for sale to farmers is 100kg. A farmer that owns 10 chickens cannot afford. To overcome such problems, farmers should form a group, purchase the feed and divide among themselves.

c) Recommendations

For cost effective management of their chickens, extension agents should encourage small scale farmers to form groups and request services as well as purchase.

1.3 Recommended future volunteer assignment

A follow up training is recommended to assess as well as see if the training given to the two institutions were implemented.

1.4 Action Plan

Recommendation Specific Action Responsible person By when

- 1.
- 2.
- 3.
- 4.
- 5.

6.

1.5 Number of people Assisted

- a) Through formal training (Classroom setup)
- b) Through direct hands on practical assistance (Do not double count)
- c) Out of these above, number of host staffs
- d) Training/assistance by field

Category Total Males Females

Members/ owners

Employees

Clients/ Suppliers

Family Members

Total

1.6 Gender

- a) What gender roles did you recognize in your host community? Did these roles play a part in your assignment? How?
- b) How might CRS or the host organization improve opportunities for the women in this host or host community?

1.6 Value of volunteer contribution in \$

- a. Hours volunteer spent preparing for assignment
- b. Estimated value of all material contributions volunteer contributed to host during assignment

1.7 Value of hosts' contribution in \$ (Please consult the host as well)

- a) Meals

b) Transportation

c) Lodging

d) Translation

e) Other (Specify)

1.8 Host Profile Data:

Did you obtain any data that supplements or corrects the data in the existing host information as detailed in the SOW? Please list it.

1.9 Recommendations for CRS:

1.10 Press Release

1.10 Press Release

FOR IMMEDIATE RELEASE

VOLUNTEER CONTACT: [Name]

[Title]

[Phone]

[E-mail]

CRS CONTACT:

Susan G. Walters

Senior Communications Manager susan.walters@crs.org

443-955-7103

[US City] Farmer [Researcher, etc] Works with Counterparts in [Country]

Farmer-to-Farmer program promotes economic growth and

agricultural development in East Africa

[DATELINE: City, State, Month, Day, 2016]--- [Name], a [title] from [city, state] who is a [add your title, or area of expertise] travelled to [country] for [x] weeks to share his/her technical skills and expertise with local farmers. [Name]'s assignment is part of Catholic Relief Services' Farmer-to-Farmer program that promotes economic growth, enhanced nutrition through access to healthy food, and agricultural development in East Africa.

“[Volunteer quote],” said [name]. [Quote should tell why you were there and how you spent your time, what you were trying to accomplish and how your visit made a difference. Quotes that are short (2 sentences) and paint a picture are strongest.]

Farmer-to-Farmer matches the technical expertise of U.S. farmers and professionals in agri-businesses, farming cooperatives, and universities with farmers in developing countries to assist them in improving agricultural productivity, accessing new markets, and increasing their incomes. Farmer-to-Farmer is funded by the U.S Agency for International Development (USAID).

In a world where 80% of food is produced by farmers working on small farms or fisheries, the movement to share proven farming and business skills can improve the quality and quantity of the world's food supply. For communities in the developing world who often struggle to produce enough food, this can improve access to a reliable source of food and better nutrition. For the farmers, it can strengthen their path to prosperity.

The goal of [name's] assignment was to [___describe goal_____]. He/she worked with [# of and type of beneficiaries] who [describe situation/challenge/opportunity]. Most of [name's] time was spent in the [describe the location/part of the country] working with [name the partner]. [Optional Statement: What impact do you think your work will have?]

This is [name's (first, second, third, etc.)] volunteer assignment with Farmer-to-Farmer and is one of nearly 500 assignments that focus on improving approaches to local agriculture practices, expanding production of quality food crops and nutrition in Ethiopia, Tanzania, Kenya

and Uganda. The program, funded by the U.S. government has been running for nearly 30 years.

CRS is partnering with five U.S. institutions to tap into the rich diversity of the U.S. agriculture community: the National Catholic Rural Life Conference, Foods Resource Bank, National Association of Agricultural Educators, American Agri-Women, and

the University of Illinois' College of Agricultural, Consumer and Environmental Sciences.

The volunteers travel to East Africa for anywhere from one to six weeks.

“We are certain that this program will be beneficial not just to the farmers in East Africa but also to the volunteers from America,” said Bruce White, CRS’ director for the program. “It’s going to make the world a little bit smaller and a whole lot better for everyone involved.”

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- a) Progress with the objective
- b) Expected impacts/results
- c) Recommendations1

1.2.2 Objective 2 in your SOW

- a) Progress with the objective
- b) Expected impacts/results
- c) Recommendations

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