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Volunteer Name: Russ Daly

Country: Kenya

Country project: Livestock

Host: Jenga Kenya

Venue: Livestock Health and
Management

Audience: Jenga Kenya, CRS

Date: 16 Dec 2014



1. Assignment Objectives as in SOW

1. Build capacity of groups on proper goat management technologies.
 - Proper goat husbandry practices
 - Nutrition, feeding, and feed requirements
 - Pest and disease prevention
 - Development of guidelines for general goat management

Assignment Adjustments

- Scope expanded to include emphasis on:
 - Cattle
 - Chickens
 - Particularly business and profitability aspects

2. Achievement of the assignment objectives

1. Individual visits with farmers, veterinarians, and animal industry reps to gauge specific educational needs
2. Eight face-to-face educational sessions with members of 13 different farmer groups
 - Total of 87 individual farmers









Allergic Tissue
- bacteria - immune response

Respiratory System
- runny nose - clear or yellow/green
- runny eyes - tears or yellow/green discharge
- coughing
- difficulty breathing - wheezing

Foot - Legs
- Itch
- Pain
- Swelling

Digestive System - diarrhea - water consistency
- Mucus stool

2. Achievement of the assignment objectives

3. Goat, cattle, & sheep topics included:

- Changing to a business mindset with livestock
- Nutritional priorities of cattle and goats
- Critical nutrients, makeup of common feedstuffs
- Amount to feed based on requirements
- Forage crops and utilization
- Genetic improvement



2. Achievement of the assignment objectives

- ### 3. Goat, cattle, & sheep topics included
- Housing requirements of cattle and goats
 - Factors that influence disease (animal, germs, conditions)
 - Drug use and food safety (residues)
 - Specific cattle and goat diseases
 - Managing common signs of illness; what to treat and when

2. Achievement of the assignment objectives

4. Chicken topics included:

- Management of baby chicks
- Growth curve of broilers and layers
- Feeding birds based on type
 - Sample diets
 - Ration calculations
 - Nutritional deficiencies

2. Achievement of the assignment objectives

4. Chicken topics included:

- Specific diseases and their prevention
 - Biosecurity
- Drug use and food safety (residues)
- Business aspects of raising broilers or layers
 - Partial budgeting costs and expenses

3. Recommendations to the host with regards to the assignment

1. Empower JK groups to work cooperatively towards shared livestock goals:

- a) Centralization of breeding stock
- b) Coordination of vaccinations and health services
- c) Access to markets

“Learning Communities” model

Utilize local experts: vets, nutritionists

3. Recommendations to the host with regards to the assignment

2. Provide a coordinator for ongoing technical information for JK groups regarding livestock production

- Hire staff member with passion and technical experience with animal agriculture
- Serve at least part time as JK “extension agent”
- A “connector” for sources of breeding stock, animal health care, nutritional advice, markets
- Ensure educational support for this hire

3. Recommendations to the host with regards to the assignment

- 3. Provide strategic loans to JK members that support resilient livestock production
 - Feed harvesting equipment, storage facilities
 - Livestock housing and equipment
 - Water storage
 - Breeding stock
 - Feed manufacturing (milling) equipment

3. Recommendations to the host with regards to the assignment

4. Reproduce and distribute printed educational materials that were developed for these seminars.

- JK staff members
- Additional groups
- Refresher information for existing groups

4. Anticipated Impact

1. Sustainability of livestock through dry periods
 - Feed and water storage, health
2. Diminished disease losses due to coordinated prevention efforts and understanding of disease transmission.
3. Improved growth, milk, and egg production
 - Due to a better understanding of nutritional value of feedstuffs

4. Anticipated Impact

4. Production improvements through introduction of higher-production genetics
 - While meeting increased nutritional needs
5. Improved decision-making through a business-focused approach

5. Recommended future volunteer Assistance

1. Forage crops:
 - Planting appropriate varieties
 - Storage technology (hay, silage)
 - Harvesting technology
2. Selecting appropriate herd genetics for cattle, goat, and chicken raisers

6. Recommendations to other non-host stakeholders

- Foundational knowledge of aspects of livestock production is the first step in making sustained progress:
 - Nutritional needs of animals
 - Methods of disease prevention
 - Genetic selection of breeding stock

7. How can CRS improve future volunteer experience

- Provide contacts with national university experts in the applicable fields prior to visit
- Facilitate connection with previous volunteer(s) who have worked in the area.
- Update CRS contact list
- Very good experience overall!





Thank You!