

TRAINING OF TRAINERS FOR COMMUNITY BEEKEEPERS LIVING ADJACENT TO KARUMA WILDLIFE RESERVE

Terms of Reference

March 09, 2022

I. Background

Wildlife Conservation Society (WCS) received funding from USAID (United States Agency for International Development) for a five-year activity to combat wildlife crime in Uganda. The activity supports park adjacent communities to mitigate human-wildlife conflict through beekeeping using beehive fencing to address some of the root causes of wildlife crime. Beekeeping is one of the most prominent enterprises promoted by Uganda Wildlife Authority, NGOs and the Local Governments operating in and around Karuma Wildlife Reserve. The apiaries are expected to generate income for the communities and act as deterrents to crop raiding animals, particularly the elephants. These efforts, however, have faced several challenges to the effect that beehives are sometimes abandoned or burned by the wildfires. Further, communities have complained of low bee colonization rates, honey theft and low returns on investment from the enterprise.

2. Objective of the training

The objective of this training is to provide beekeepers with knowledge and skills on beekeeping technologies and management practices in order to train others in their community.

3. Training Content

The beekeepers shall be trained in beekeeping technologies and management practices such as;

- i. Apiary siting and establishment
- ii. Hiving of colonies
- iii. Beekeeping production, processing, value addition
- iv. Bee pathology
- v. Post-harvest handling practices and quality control
- vi. Entrepreneur skills and marketing of bee product

Training Modules

The following training modules shall be delivered to the ToTs to address the following gaps

No	Module Name	Need Addressed	Expected Training Outcomes
1	Beekeeping and Beehive technologies	Lack of information on choice of hives	Well sited apiaries and Appropriate choice of hives. Enhanced production of beehive products.
2	Bee foraging and ecosystem conservation	Dwindling bee forage plants	Major bee forage plants identified and multiplied
3	Housing of bee colonies and types of housing technologies used	Absconding of bee colonies due to temperature variation,	Beekeepers to be able to choose hives types and housing systems suitable for their needs. Proper

		and effects of climate change	siting of apiaries and improved bee pests and disease management
4	Harvesting, post harvesting handling and Processing	Poor quality, honey wastage and poor packaging materials	High quality honey and Proper packaging
6	Strategic use of honeybees for crop pollination	Increased crop yields and quality	Strategic use of honeybees for crop pollination in farmers crop fields
8	Beekeeping Cost benefit analysis	Low incomes and unprofitable enterprises	High Incomes

4. Training Design

The trainers shall facilitate the beekeepers to acquire knowledge and skills through practical demonstrations that include on farm validation trials and demonstrations, use of PowerPoint presentations or flip charts, videos, and provision of illustrated training notes/brochures.

5. Training Period

The proposed training shall take a total of seven (7) days.

6. The Trainees

The trainees who will participate are beekeepers from communities in Diima and Nyamahasa Sub Counties in Kiryandongo District living adjacent to Karuma Wildlife Reserve who have had basic training background in apiary management. The trainer should, therefore, facilitate more than lecturing and draw out and build on their knowledge, skills and experience that they shall bring in.

7. Requirements

- i. Vast experience in apiary management and training,
- ii. A well-established and equipped apiary training center (owned or sourced)
- iii. Provision of accommodation for the participants

8. Deliverables

A training report detailing the modules covered and a Pre and Post Assessment evaluation of levels of comprehension of topics by the trainees.

9. How to Apply

Interested parties should submit their company profiles, technical and financial proposals in PDF format to wcsuganda@wcs.org and copy skamugisha@wcs.org indicating "TOT Beekeeping" in the subject line.

Deadline for submission of proposals: **1st April 2022**