

Insect feed for poultry, fish and pig production in Sub-Saharan Africa (INSFEED2)



Key details

Location

Kenya, Uganda

Duration

Start Oct 2018

End Sep 2020

Budget

AUD 1,495,900

Commissioned organisation

International Centre of Insect Physiology and Ecology

Partners

United States International University-Africa, Kenya; Agriculture and Livestock Research Organization, Kenya ; Marine and Fisheries Research Institute, ; Value Addition and Cottage Industry Development in Africa, Kenya; Kenya Bureau of Standards; Makerere University, Uganda

Project Leader

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Program

Global

Livestock Systems

Project code

GP/2019/171

supply and upscaling pathways, and gender sensitive business models suitable for job creation and income generation for men, women and young farmers

Protein additives in animal feed increase feed costs substantially, undermining development efforts to boost animal production and meet the food needs of a growing population, while ensuring environmental sustainability.

The focus of this project is on analysing and comparing outcomes from different upscaling pathways of the insect producing business models and assess the performance of insect colonies and livestock produced with insect based feed in various agro-ecological zones.

In addition, policymakers, private sector actors, NGOs and farmers will be engaged at different levels. The research will use qualitative and quantitative research methods involving 11,070 households and 60 small and medium enterprises that will be trained in insect mass rearing and processing for feed.

Project outcomes

- Identifying best cost effective, sustainable and gender sensitive supply chain models identified.
- Training 11,070 households in insect mass rearing and processing for feed.
- Producing insect feed for poultry, fish and pig in Kenya and Uganda.

Overview

This project aimed to test different

- Identifying and recommending best scaling-up methods leading to wider uptake of quality and sustainable insect production and processing for animal feed.
- Training 60 small-medium size enterprises on insect farming and backstopping.
- Publishing at least 10 scientific papers published.
- Developing curriculum on insect use in animal feed for use in universities and incubation centres.
- Training three MSc students and one PhD student.
- Increasing protein availability for feed, reduced protein cost, and improved animal productivity and income generation.



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