Training of Extension workers to train pig farmers in Pig Smart Feeding: Photos by Single Spark.
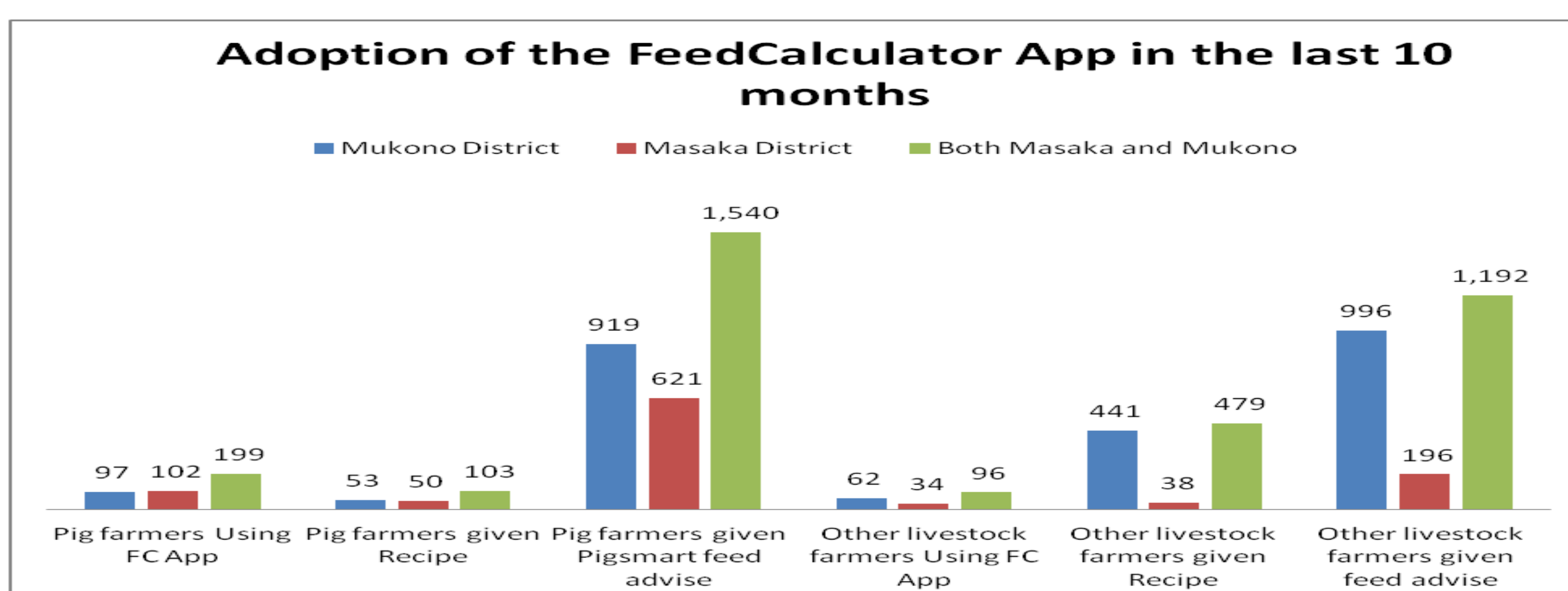
## Challenge

- Lack of access to good quality and affordable pig feeds
- Information gaps due to lack of feeding information on ration formulation and pig feeding.

## Our approach

- Training of extension service providers as trainers on use of FeedCalculator App
- Trained extension workers support pig farmers on ration formulation and pig feeding.
- Follow up and backstopping of community based agents 'Community Demo-Pig Smart Farmers established and regularly visited'
- Conducting feedmill nurturing visits on good manufacturing practices (GMP)

## Results, outcomes, achievements

- 15 extension workers trained in Mukono (7) and Masaka (8) districts
- 190 pig farmers trained through follow up visits
- 468 /1360 new accounts created by pig farmers from November 2020
- 110 feedmill staff created accounts with FeedCalculator
- Pig growth rate doubled when fed on rations formulated with locally available resources
- Good Manufacturing Practice GMP & Quality assurance (QA) handbook was developed
- Pig smart feeding manual was developed
- 40 feedmills visits, nurturing still ongoing until Nov.


Adoption of FeedCalculator App 19/11/20 to 30/09/21: Data by ILRI/Single Spark.

# Supporting adaptation/adoption of the FeedCalculator App for feed formulation in the Pig Value Chain in Uganda

RESEARCH PROGRAM ON
Livestock
CGIAR

**UGANDA MORE PORK PROJECT**

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*Project intervention:* *Pigsmart platform and feed development*

FeedCalculator®
The independent feed tool for every farmer!

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Setting up of Community Demo-Pig Smart Farmers: Photo by Single Spark.

## Lessons and significance

- Extension system is a strategic channel for Technology Transfer
- Scaling up of the intervention to other districts would increase adoption and adaptation of feed formulation using the FeedCalculator App
- Extension services providers need more skilling in feed formulation and feeding for all types of livestock
- FeedCalculator App needs upgrading to include more locally available ingredients such as banana peels/pseudostems, Sweet potato vines/tubers, black soldier fly larvae, among others to expand feed formulation options
- Training and nurturing more feed ingredients stockiests and feedmillers operating close to small scale pig farmers would improve pig feeding and growth
- Training pig farmers in smart pig feeding can increase adoption of feed formulation using the FeedCalculator App.
- Capturing details of all piggery input suppliers e.g., feed suppliers, extension service providers, AI service providers, drug shops, pig markets in the interactive map of the FeedCalculator can enable piggeries to fully adapt smart feeding.

## Partners

- Local Government of Mukono district
- Local government of Masaka city council
- Local Government of Masaka District
- Kampala City Council Authority (KCCA)

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