



NUFLIP

NORTHERN UGANDA
FARMERS' LIVELIHOOD
IMPROVEMENT PROJECT

Northern Uganda Farmers' Livelihood Improvement Project (NUFLIP)



*The Project for Family's Happiness
December 2015 – November 2020*

Issued in November 2019

Implemented by

- Ministry of Agriculture, Animal Industry and Fisheries (MAAIF)
- District Local Governments in Gulu, Kitgum, Pader, Agago, Amuru, Lamwo, Nwoya and Omoro
- Japan International Cooperation Agency (JICA)

Project Outputs

- Output 1** Vegetable production knowledge and skills of Agricultural Officers and farmers are improved through verifying appropriate technologies at demonstration farms
- Output 2** Activity package is developed and implemented to promote market-oriented agriculture
- Output 3** Practical tools to improve quality of life at household level are developed and implemented
- Output 4** Effective dissemination methods of livelihood improvement approach are stream-lined

Project Concepts

Livelihood improvement approach

Market-oriented agriculture

Improvement of quality of life

- To **increase income** through market-oriented vegetable production
- To **improve quality of life** through better management of household economy and nutrition improvement
- To **extend** activities in line with single spine extension system

Summary of Project Activities and Achievements

Market-oriented vegetable production



- Concept of "grow to sell"
- **0.1-acre model**
 - Small scale & intensive management
 - Average sales were **912,945 UGX/0.1 acre** (20 groups, 2019)

Empowered extension



70AOs trained technically

Improvement of quality of life



- Improvement of **food, cash and nutrition management**
- Awareness on **gender and consideration for socially vulnerable**
- Farmers practice **92.5%** of learnings from training*



New extension kits

70 farmer groups benefited in the eight districts in Acholi



- **1,916 farmers** accomplished a series of training
- **57%** of trained farmers continue vegetable production*
- Vegetable farmers increased household income by **66.8%***
- Farmers adapted **97.4%** of recommended techniques for vegetable production *

*Result of end-line survey conducted in 2018 on the first batch farmers

Market-Oriented Vegetable Production

Grow to sell

Farmers conduct market survey by themselves, and prepare their farming plan

Start from market, end in market



0.1-acre model fitting to family-scale farmers in Acholi



Manageable by family members



Increase yield with intensive management



Affordable costs i.e. UGX200K for tomato



Control risks from unpredictable weather

Step-up training to acquire techniques and to improve financial capacity on vegetable production

To transform subsistence farmers to semi-commercial farmers, both techniques and financial capacity have to be improved



Season 1.



Season 2.



Season 3.

Technical aspect

Learn techniques in a group (25-40 members)

Practice learning in a small group (5-7 members)

Independent

Financial aspect

All inputs are provided by the project
Save sales for 2nd season

20% of inputs are afforded by farmers
Save sales for 3rd season

Independent

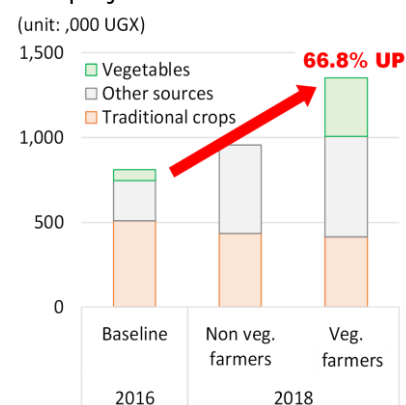
Increased income from vegetable production

An end-line survey is conducted one year after the project intervention to assess the impact fairly without any support from the project

Average household income of the first batch farmers before/after the project intervention (unit: UGX)

Income sources	Baseline 2016	End-line 2018		Remarks
		Non veg. farmers	Veg. farmers	
Traditional crops	510,895	435,013	416,185	Cereals and traditional cash crops
Vegetables	62,300	0	343,671	Tomatoes, Eggplants, Green peppers, Watermelons, Cabbages and Onions
Other sources	236,629	521,061	591,262	Labor works, livestock, small business, etc.
Total	809,824	956,074	1,351,118	

- Vegetable farmers increased income from vegetables by **4.5 times!** (UGX 62,300 → UGX 343,671)
- Vegetable farmers increased household income by **66.8%! (UGX 809,824 → UGX 1,351,118)**
- Vegetable farmers have **1.4 times** more household income than none-vegetable farmers



Structure of household income of the first batch farmers before/after the project intervention

Family Goal Setting – Vegetable production for family happiness -



“Father used to decide everything about family, but this session led us to talk about the future with family members on a daily basis.”

Family members such as spouse and elder children are also invited to discuss and share their views among the family members to set up their goals through NUFLIP activities.

Household Economy

– Farm planning, Food stock and Cash management -



“Now I can pay school fees without selling food stocks for home consumption because of better planning and management.”

Farm planning session encouraged farmers to make their plan by considering amount of crop necessary for **both home consumption and sales**, and risks for draught. Also, the importance of management of harvested crop was emphasized. By visualizing an annual **food stock and cash flow** in a household, farmers became aware of the importance of planning and management over stocks and cash. Both **wife and husband** learned how to balance household income and expenditure to accommodate the needs of all family members.



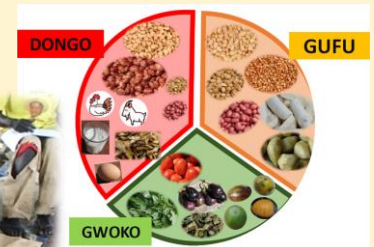
Food and Nutrition

– For family health -

“Food shortage was minimised.”

“Balancing diet is important. I used to think as long as we are eating beans, we are healthy.”

Farmers learned the mechanism **why they face food shortage** every year through a workshop. Balancing diet is another aspect they learned. They made **food availability calendar** and understood **how to select food items to make their meal balanced** using available food items in each season/month.



Consideration for Gender and Socially Vulnerable People



“I thought that all works at home are for women, but I learned how busy my wife was. Now I help her carrying water and taking care of children.”

Through workshops, such as making daily activity calendars for male and female, farmers are now aware of a traditional gender gap. Also, farmers discussed about the difficulties that socially vulnerable people faced and necessary supports for them in group activities.

Women's daily activities



Capacity Building of Agricultural Officers



Training on market-oriented vegetable production



Learned what is improvement of quality of life



AOs experienced training farmers



Intensive training for all AOs in Acholi in 2016 and 17

The project provided practical training for AOs about market-oriented vegetable production and improvement of quality of life in 2016. The trained AOs conducted farmers' training in NUFLIP activities and accumulated experience of vegetable production and technical training from 2017.

Farmers' Training

Fusion of lectures and practices



Learn knowledge in lectures!
Practice what learned in the field!



Comprehensive curriculum

Subjects in 2019	hrs.
Veg. production technology	25 hrs.
Improvement of quality of life	12 hrs.
Strengthen group actives	14 hrs.
Total for a group	51 hrs.



Family goal setting



Food stock management

Farmers accomplished a series of training curriculum

year	No. groups	No. farmers (Female%)
2017	20 groups	488 (61.7%)
2018	30 groups	785 (62.4%)
2019	20 groups	643 (64.9%)
Total	70 groups	1,916 (63.0%)

Extension Materials

Materials for illiterate people



Flip charts with many drawings and icons for cash and food management



Factsheet on pests, diseases and physiological disorders



Booklet



Digital



Helpful to diagnose disorders in the field
Download freely for your smartphone!
(<https://www.jica.go.jp/uganda/english/office/topics/190409.html>)

Involving Private Sector

To improve farmers' accessibility to quality agro-inputs in local shops



Retailers' training

Local retailers learned knowledge of vegetable production and necessary inputs



Dealers' forum

Local retailers strengthened linkage with agricultural input suppliers