



JICA's Adaptive Intervention in the Agriculture Sector

Agriculture Homework Diary in Kenya

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KEY ISSUE:

- Pastoralists are not accustomed to cultivating and eating vegetables.
- According to past experiences, it is very hard to establish sustainability on vegetable cultivation in pastoral communities.

How to deliver knowledge/skills of vegetable cultivation to pastoralists effectively and sustainably?

Answer: through children at primary schools

APPROACH:

“Focus on INTEREST” & “Children as INFLUENCERS at home”

Agriculture Homework Diary: Activity (1/2)

Step-1: Training at School Garden



The Project introduced the vegetable cultivation with Zaipits to agriculture teachers in schools, then teachers taught it to the pupils in agriculture class.



Zaipit



School Garden

Agriculture Homework Diary: Activity (2/2)

Step-2: Homework during a School Holiday



(1) Teachers provided seeds and booklets. Then the pupils cultivated vegetable (cowpea) in their own kitchen gardens “as the school homework” during a long school holiday (1 month).



(2) The pupils recorded the plant growth in diary booklets.



Cultivation at Home

(3) The pupils' parents also learned how to cultivate vegetable in the course of helping the homework.



Kanukurdio (Kaelis Ward)



Kalotum
(Lodwar township)



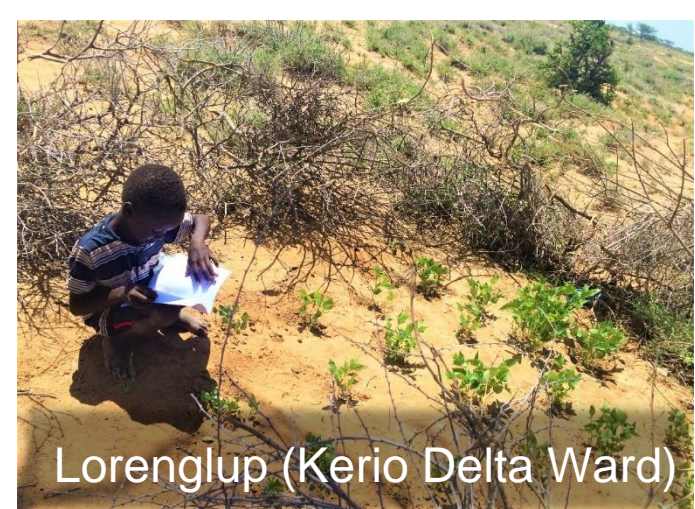
Lomeleku (Kalapata Ward)



Morong'ole (Kakuma Ward)



Nakipi (Lokichar Ward)



Lorenglup (Kerio Delta Ward)

Impacts of the Program (1/2)

Before activity

		Did you like to eat vegetables before the homework				
		I liked to eat very much	I liked to eat	It was OK	I didn't like to eat so much	I hated to eat
1	Abur	1	1	1	8	0
2	Kalotum	0	0	0	13	0
3	Lorenglup	0	6	1	0	0
4	Loturerei	0	9	1	0	0
5	Losajait	0				
6	Morungole	2				
7	Kankurdio	0				
8	Kaeris	0				
9	Lomeleku	1				
10	Nakipi	0	4	1	0	0
TOTAL		4	43	22	31	0
		4%	43%	22%	31%	0%

- I don't like to eat vegetables: 31% → 0%
- I like to eat vegetables very much: 4% → 54%

Through Agriculture Homework,

(Impact-1)

Pupils' positive preference/ mindset change for vegetables

1	Abur	10	1	0	0	0
2	Kalotum	3	10	0	0	0
3	Lorenglup	6				
4	Loturerei	3				
5	Losajait	3				
6	Morungole	6				
7	Kankurdio	3				
8	Kaeris	7	7	0	0	0
9	Lomeleku	9	1	0	0	0
10	Nakipi	4	1	0	0	0
TOTAL		54	46	0	0	0
		54%	46%	0%	0%	0%

- I don't like to eat vegetables:
- I like to eat vegetables very much

Attention

Interest

Desire

Action

Impacts of the Program (2/2)

Before the program,
90% of the pupils and
parents said:
“Cultivating vegetable is
too difficult for me to do”

(Impact-2) The program could effectively transfer knowledge of vegetable cultivation not only to the pupils but also **pastoralist parents** through the homework they effectively and sustainably.

← Provision of “EYE OPENING”




(ii) After the program, 80% of Parents continued to cultivate vegetables at home by their own will.
And 40% of families are currently cultivating vegetables.

Impacts of the Program (2/2)

Advocacy and lecture are not enough to motivate the beneficiaries to sustain their activities.

No Sustainability = When the project stopped the support, they discontinued the activity eventually.

	1. Attention	Attention X to Action !?	4. Action
Condition of Target	"I do not know importance of nutrition and eating vegetables."	 <p>Zaipit</p>	<ul style="list-style-type: none"> • "I cannot conduct cultivation." • "I cannot get vegetables."
Strategy	Educate cultivation and Nutrition improvement	Cultivation Training	Remove obstacles to the cultivation & intake of vegetables.
Activity	Advocation and Lecture of Nutrition / vegetables	 <p>Success ? !</p>	Vegetable Cultivation Training

Impact: Agri-Homework Diary Program

Activities

A. Cultivation Training



B. Agri-homework Diary



Inputs by the project

Large: The project officers provided the training for more than 2 months

Small: Mainly done by the school teachers.

Request to cultivate vegetables

Yes, of course: The project encouraged participants to continue it.

No: The project just requested teachers to assign the homework at schools.

Sustainability of activity

Relatively low: Many participants discontinued afterwards.

High: The parents voluntarily started to cultivate at home.

1. **A**ttention

2. **I**nterest

3. **D**esire

4. **A**ction

For Sustainability

Key to Success is
to develop **“Interest”** and **“Desire”**
by special interventions.

Just NUDGE them to do it...

END

Thank you.