



From Seed to Table and Beyond



Module II: From Harvest to Table.
36th International Training Course
6th Nov – 1st Dec 2017



Background information

- Became independence in 1979
- 33 low-lying atolls
- Average temperature is 33 degree Celsius
- Main export is copra and fish







Bio Data

- **Tiaeke. Tanako**
- Agricultural Assistant.
- Department of Agriculture and Livestock Division.
- Ministry of Environments, Lands & Agriculture Developments.
- **Responsibility**
- implement agricultural activities approved by Head Office
- conduct trainings and awareness program on agricultural activities
- assist in the implementing and monitoring of community projects which are coordinated by ALD
- act efficiently and effectively to any emerging issues that may hamper crops' and animals' lives and the community as a whole



Contrn.





Agriculture (MELAD) strategic plan

- **Vision**

‘Kiribati to be a resilient nation to both natural and economic risks’.

- **Mission**

‘MELAD in collaboration with all stakeholders to work for achieving a safe and healthy environment that is resilient to the impacts of global climate change and supports livelihoods, human health and sustainable development.





Agriculture and Livestock Division (ALD): Goals, Objectives

- **The goal of ALD is that “Household of Kiribati has food, income and nutrition security and the balance of agricultural and forestry environment is sustained and maintained**

The ALD will focus on four key objectives for the period 2016 - 2019:

- **Objective 1: Sustainable atoll crop production systems developed and promoted**
- **Objective 2: Sustainable small animal livestock systems developed and promoted**
- **Objective 3: Improved biosecurity**
- **Objective 4: Capacity building for stakeholders and agricultural staff**





Agriculture & Livestock Division

- Livestock and Animal Welfare
- Crop and Research Development
- Biosecurity and Plant Health Services
- Information, Training and Extension





- **Three topic I found most useful and relevant to my Country are;**
- **Nutrition, Post Harvest and Packaging.**





Topic

- **Post Harvest Biology, Storage(Pre Cooling) and Nutritive Values of Local Produces.**





Objectives

- To maintain the Nutritional Values of Vegetables by designing simple method like hydro cooling method to lower the temperature before it package and stored properly.
- To maintain the quality (nutritional values) of locally harvested fruits and vegetables to improved the diet of I Kiribati people through the development and promotion of a simple hydro cooling system.
- To increases consumption of fruits and vegetables by enhancing both quality and health.





Problems.

- **Lack of Capacity on Post Harvest biology and package design which lead to nonnutritive of vegetables product for Human Consumption.**
- **Vegetables have no proper storage to maintain their freshness and quality.**
- **Consumers have no knowledge on home cooking conditions.**
- **Vegetables are easily contaminated.**
- **No packing shed**
- **Lack of Sanitary Facilities**



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Target Audience / Beneficiaries.

- Local Farmers.
- Consumers.
- Public.





Activities to solve the Problems/Approach

- Promote simple method for maintaining the temperature of the vegetables before the consumer buy.
- Conduct a training on how to prevent flavor and texture of the fruit or vegetables after harvesting or buying in the market.
- Designing a proper storage of commodities after it was cool down.
- Encourage consumers of not overcooked fruit and vegetables.



Partnership

- **Departments of Agriculture & Livestock Division.**
- **Departments of Health and Nutrition.**
- **NGOs.**



Work plan

2 yrs plan

Activity																	
Maintain the nutritional	J	F	M	A	M	J	J	A	S	O	N	D	No of days	Performance indicator	Donor	Cost(AUD)	Total Cost(AUD)
1.1Baseline survey to determine the status of value chain in Kiribati	X	X	X										3	No of market Surveyed (20)		\$60.00 (fuel-\$20.00/day)	\$60.00
Training of trainers program on simple hydro cooling and simple post harvest practices undertaken			X		X			X					3	No of TOT trained (40)		\$180.00 (\$20x3x3)40	\$7,200.00



Output 1. Maintain the nutritional values of Vegetables	J	F	M	A	M	J	J	A	S	O	N	D	No days	Performance indicator	Donor	Cost	Total cost
1.2 Awareness campaign develop to promote post harvest practices and the use of simple hydro cooling method.	X			X		X		X		X				No of Radio programs aired (5)	GOK	\$100.00	\$500.00
1.3 Monitor and Evaluate the effectiveness of the program											X	X		No. of market adopted the practice.	GOK	\$40.00 (\$20.00 fuel)	\$80.00
Total cost for 2 years																\$15,680.00	



Expected Result

- **Enhancing the availability of nutrient in vegetables.**
- **People will eat more nutritive and safe vegetables from pathogens and others microbes.**
- **Minimized the malnutrition in Kiribati.**





Thanks IVTC Members and major
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