



Development and Action Plan for Kiribati

34th International Vegetable Training,
Module 2: From Harvest to Table (AVRDC),
Kasetsart University, Kamphaeng Saen.

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Country	Kiribati 
Organization	Agriculture and Livestock division
Title	Agricultural Assistant
Responsibilities	Extensions and Research





Topics of Interest.



Topic	Sub topics	Relevance
Good Agricultural Practices	<ul style="list-style-type: none"> • GAP cluster • Compliance to GAP • Framework and Good Practices • Protected cultivation 	<p>High</p> <p>High</p> <p>High</p> <p>Medium</p>
Human Nutrition and Health	<ul style="list-style-type: none"> • Nutritional Security • Contaminants and Toxicity from vegetables • Safeguarding bioactive compounds in vegetables 	<p>High</p> <p>High</p> <p>High</p>
Vegetable Post Harvest Technologies	<ul style="list-style-type: none"> • Quality and Standard Controls • Quality determination • Cooling, pest control and storage 	<p>High</p> <p>High</p> <p>Medium</p>



❑ Vegetable production and consumption is becoming popular in Kiribati. However, there is no harmonized regulations, concerning safety standards between the producer and the buyer. Formalizing standards is important in mitigating and solving this problem.

❑ Health Risks from Vegetables.

- Production systems
- Post harvest
- Transportation
- Importation
- Marketing Channels
- Shelf life
- Cross contamination, etc



Development and Action Plans

☐ **Research field:** Vegetable production systems, clustering and safety measures

☐ **Overall Objective**

- This development and action plan, is to focus on vegetable production systems and marketing pathways, from the farm up to the end user or consumer, in order to improve nation nutrition security, quality and quantity, and to ensure maximum health benefits attained from the system.





Objective 1: Identification of Key Stakeholders and their roles.

Key Stakeholders	Roles to play
Agriculture and Livestock Division	Certification, GAP Awareness Programs, School awareness, Public awareness and setting standards.
Ministry of Health	To report on health complications associated with vegetables.
Public works and energy	To provide information and set standards on water quality and safety.
Buyers/Distributors	To set acceptable standards in buying vegetables from farmers based on GAP and reporting to ALD.
Transportation (land and sea)	To provide information on transportation periods, storage and handling.
Farmers	To produce and sell, safe vegetables based on adoption of GAP.





Objective 2: List and identify risks from vegetable pathways that could pose health risks.



Pathways	Risks
Production system	From sites, seeds, and technologies adopted
Post harvest	Improper and unhygienic handling
Packaging	Materials used and unhygienic
Storage	Improper storage facilities
Transportation	Cleanliness and storage facilities on board
Freshness	Conforming with shelf life periods
Marketing	Marketing sites and procedures
Water	Polluted water sources
Fertilizers	Application rates and doses
Pesticides	Application rates and doses
Composts, etc	Improper composting procedures



Implementation of Activities



Activities	Responsibilities	Time Frame		
		Jan	Feb	Mar
<input type="checkbox"/> Develop a plan	ALD			
<input type="checkbox"/> Collect and gather information on: <ul style="list-style-type: none"> I. Types of vegetables grown II. Production systems III. Water sources and availability IV. Domestic Marketing channels of vegetables V. Packaging, etc 	SAO, AO, AAO			



Activities	Responsibilities	Time Frame		
		Mar	Apr	May
<input type="checkbox"/> Registering farmers and community associations	Extension Unit			
<input type="checkbox"/> Setting standards based on information collected. <ul style="list-style-type: none"> I. Production II. Storage III. Transportation IV. Processing and Packaging 	ALD, MOH, FARMERS, ASSOCIATIONS, MCIC, MCIT, NGO's ECD, COMPANIES.			



Activities	Responsibilities	Time Frame		
		Jan - Dec		
<input type="checkbox"/> Vegetable safety and Awareness programs <ul style="list-style-type: none"> ➤ School visits ➤ Public(Radio advertisements) ➤ Community visits 	Extension Unit	1	1	1
		2	2	2
		1	1	1
<input type="checkbox"/> Harmonizing vegetable safety Government Act and policy and farmers	Administration			
<input type="checkbox"/> Law enforcement	Health inspectors			



Potential challenges

Challenges	
<input type="checkbox"/> Policy	Full support in terms of funding and harmonizing regulations to ensure health safety issues.
<input type="checkbox"/> Funding	Injection of funds to support research development programs.
<input type="checkbox"/> Laboratory	Need to be set up to guarantee safety concerning food sector
<input type="checkbox"/> Resources	Raising the standards of knowledge in food production systems and safety.





Thank you