

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.

- Company	Topic	Sub topics	Relevance
	Good Agricultural Practices	 GAP cluster Compliance to GAP Framework and Good Practices Protected cultivation 	High High High Medium
	Human Nutrition and Health	 Nutritional Security Contaminants and Toxicity from vegetables Safeguarding bioactive compounds in vegetables 	High High High
	Vegetable Post Harvest Technologies	 Quality and Standard Controls Quality determination Cooling, pest control and storage 	High High Medium





□ 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.



- 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.





S 18 18 18 18 18 18 18 18 18 18 18 18 18	Objective 1: Identification of Key Stakeholders and their roles.			
* -	Key Stakeholders	Roles to play		
44.3%	Agriculture and Livestock Division	Certification, GAP Awareness Programs, School awareness, Public awareness and setting standards.		
工程	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

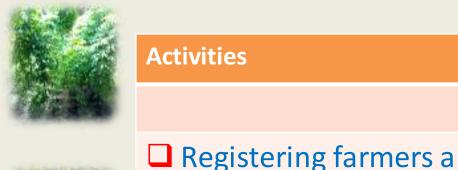


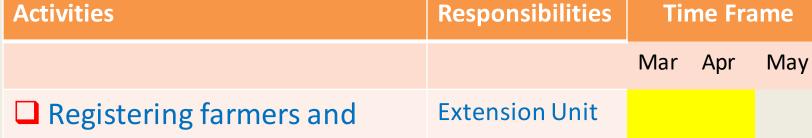














Setting standards based on information collected.

community associations



- **II**. Storage
- III. Transportation
- IV. Processing and Packaging

ALD, MOH, FARMERS, ASSOCIATIONS, MCIC, MCIT, NGO's ECD, COMPANIES.





	Activities	Responsibilities	Ti	me Fr	ame
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	 □ Vegetable safety and Awareness programs ➤ School visits ➤ Public(Radio advertisements) ➤ Community visits 	Extension Unit	1 2 1	1 2 1	1 2 1
	☐ Harmonizing vegetable safety Government Act and policy and farmers	Administration			
	☐ Law enforcement	Health inspectors			





Potential challenges

Challenges	
□ Policy	Full support in terms of funding and harmonizing regulations to ensure health safety issues.
☐ Funding	Injection of funds to support research development programs.
☐ Laborato	ry Need to be set up to guarantee safety concerning food sector
Resource	Raising the standards of knowledge in food production systems and safety.







