



Presented by: Anna Howe Agro-processing Extension Officer



Accomplishments 2020-2021

Program: Agro processing

Commodity: Food and Nutrition Security

Objective: To convert banana and other abundant seasonal fruits into shelfstable, nutritious foods that are within reach of everyday consumers through capacity building and adequate infrastructure.

	Activities	Planned in Trimester	Completed in trimester	% completed	Observations/ results
/	Production of 1000 lbs. of primary banana flour as base product for further processing achieved by ending of 2020.	1	1	10%	100lbs produced due to lack of drying machine.
	Capacity building of 50 beneficiaries in drying techniques and standards for quality dried product completed by mid-2021.	2	2		7 persons trained in Good Food Handling Practices. low turn out due to covid-19 pandemic.
	cost of production for banana flour/banana porridge developed	1	1	100	100% completed as the team participated in the 2 day sessions

dehydrate seasonal fruits and vegetable as a value addition measure, food security measure, and reducing post harvest losses

Program: Agro processing	
Commodity: Diversification and Value Addition	

Objective: To promote Agro-based products thru research & development and to promote Baking Pot food products

	Activities	Planned in Trimester	Completed in trimester	% completed	Observations/ results		
	At least three new Agro- processing products developed and tested per year.	3	4	100	5 new product developed (stewed governors plum, seasonal fruit puree, coconut oil, alternative flours - cassava, sweet potato, yam, etc.)		
/	Develop SOP of existing value added coconut products (coconut oil)	4	4	100	100%, completed SOP for coconut oil developed		
	Increase sales of Baking Pot foods produced by the Agro- processing Unit.	yearly	yearly	50%	Due to covid- 19 pandemic sales was low.		
	Construction of 1 Prototype chimney solar dryer.	2	4	100%	100% completed and is being utilized by the unit.		
	General Comments: Due to the pandemic the unit saw a decrease in sales of baking pot produce. Subsequently the unit began to focus on processing of produce harvested from the other units in Central Farm.						

Program: Agro processingImage: Commodity: Strategic planning/Institutional StrengtheningObjective: To improve the knowledge and skills or Agro-processors, farmers, and students to increase value addition, quality and food safety of products as well as working with the various units of Central Farm to add value to the unit's production

Activities	Planned in Trimester	Completed in trimester	% completed	Observations/ results		
Twelve trainings will b conducted in product development, good food handling practices and Food Safety for 150 participants.	1 to 4	1 to 4	40%	4 trainings was completed.		
Unit to participate in trainings, events, meeting/ workshops.	1	1 to 4	100%	participated in 10 trainings, meeting/ workshops and webinars. (Amexcid, Global Gap,		
Develop a wo flow chart based on HACCP regulations.	rk 2	2	100%	completed		
General Comments: Due to the pandemic the unit was unable to execute capacity building training for farmers or processors.						

Program: Agro processing					
Commodity: Data and Information Sharing					
Objective: To develop and maintain a database of Agro-processors in each					
district. This pool of information can be used when developing projects for					
baseline data gathering.					

	Activities	Planned in Trimester	Completed in trimester	% completed	Observations/ results		
/	Updated the database from 150 processors to 250 processors	yearly	yearly	65%	the database is helpful in planning of capacity building training for farmers/proces		
	General Comments: Due to the pandemic the unit relied heavily in the database to contact processors to determine the impacts of the pandemic on their small business.						

Program: Agro processing	
Commodity: Infrastructural Improvement	

Objective: To improve the capacity and quality of the Agro processing services at Central Farm.

Activities	Planned in Trimester	Completed in trimester	% completed	Observations/ results
Ensure that the facility is equipped with reliable equipment's/too ls.	3	4	85%	construction of coconut copra grinder and coconut copra press developed and operational at the unit in Central Farm, manual coconut husker is pending
Construction of receiving area and upgrading to the processing area (proper process flow)	1	2	100%	construction of the receiving area that complies with the protocol set by BAHA. the area has been equipped with utensils and stainless steel wash basins for cleaning of raw material prior to entering the processing area

due to the present economic conditions.

Workplan 2021-2022

Program:	Agro-processing Unit					
Commodity:	All commodities					
Objective:	To promote value addition through processing demonstrating good manufacturing practices, to encourage small business development					
	Resources/Inputs	Actions/Activities	Outputs	Outcomes	Time Frame	
1) Infrastructural Improvement of the Agroprocessing Unit	Architect design of modified layout, that includes electrification and plumbing of processing area. Budget: \$60,000	 Modified layout is put in place so as to have a smooth flow in the processing line. Installation of electrical wire with electrical requirement for each equipment. 	A processing unit with reliable electrical usage	Improved value added products and wider range of products can be processed due to the efficiency and reliable of the energy source	Sep - Dec	
	Upgrade of the Agroprocessing unit to meet Food Safety protocols. Budget:\$1,500	Construction and installation of a new stainless steel wash basin for cleaning of equipment and utensils used in processing.	1 sectional stainless steel wash basin installed (2 sections)	Good Agroprocessing practices adhered to.	Aug	

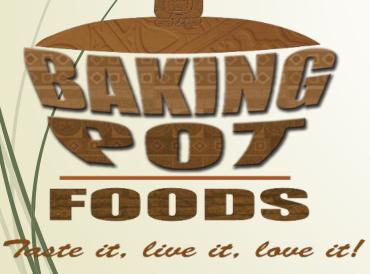
2) Solar energy for food dehydration (root crops, fruits and vegetables)	Chimney Solar dryer (6) Budget:\$7,800	Training and capacity building in product development using Chimney Solar Dryer, as a food security measure.	20 officer trained 20 processors trained	Knowledge of solar drying and better drying techniques adopted .	Nov - April
3) Providing support to the various value chain by increasing the awareness of value addition through processing of freshly harvested and seasonal produce	MOA, BAHA, MOH Budget: \$3,200	Four capacity building training at the district level in the importance of Good Manufacturing Practices in the value addition of fresh vegetables and fruits to (2) Extension Officers, (2) Co-operative officers, (2) Women group (10 members max), (2) Youth group(10 members max)			Jul - Dec
	MOA, BMDC Budget: \$2,100	Two video recording for training purposes in the various districts. Working together with Information officers of the Ministry.			

4) Providing support to the various value chain making available the Processing unit to processors.	MAFSE	* (1) Service agreement developed for processors to use the facility for product development		Sept- Dec
	Ministry of Public Utilities & Logistics	* (1) electrical consumption report developed by Department of Energy that will provide support to the service agreement for processors	At least 5 machines will have electrical consumptio n rates that will support the service agreements cost listing for use of industrial machines.	
	РАНО	*(1) nutritional test conducted on sweet potato flour in collaboration with Food and Nutrition Security Commission.		
		Production of (1) product using banana flour as a base in traditional baking recipes.		
		One cost of production for traditional baked product using banana flour.		

	5) Conducting	Cooperative, Extension	Conducting two (2)			Jan -
	research on		research on			Apr
	vegetable and		seasonal fruits and			
	fruit available (vegetables			
	depending on		harvested from the			
	their season)		Agriculture			
			Diversification Plot			
/			(ADP).			
			Two (2) research			
			report prepared and			
			shared amongst the			
/			partners in			
			Agriculture.	er	Laborer	
			Velasau	ez	Shanice Castillo	

6) Continue supplying the market with safe, healthy, shelf stable and nutritious products	BMDC	Increase the sales of baking pot products by 25%	Jan - Dec
		1 report highlighting the uses of the various packaging materials.	
		Seven (7) staff members have their updated certification for food handlers provided by Ministry of health	

THANK YOU!!



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