

Development Action Plan.



AVRDC

The World Vegetable Center

Title : Two School vegetable Gardens in Funafuti Island(Central Capital).

Duration:Four years

2017 to 2021


Located





Pacific Islands

Tuvalu Islands





Nanumea  Lohua

Nanumanga 


Niutao 

Nui  Tanrake

Vaitupu 

Nukufetau  Savave

Funafuti  Funafuti

Nukulaelae  Fangaau

Niulakita ↓

Pacific
Ocean

Background Information: Tuvalu

- Kaipati Vevea
- Agriculture Extension officer.
- Total population 10,627 people (Tuvalu Statistic Dept report. 2012)
- Food security program is widely and actively practise through out Tuvalu
- Vegetable is available local 25% and imported 75%(Tuvalu Statistic Dept Report.2012)
- Indigenous leafy vegetables is available but not well utilize.
- Funafuti is the Capital island where:
 - ❖ 6194 people reside (Tuvalu statistic Dept report.2012).
 - ❖ All Government Head quarters are located
 - ❖ Major importer Are located
 - ❖ Two primary School Schools, 5 Pre sch, 1 secondary Sch, 1 foundation Program, and University Of the South Pacific Centre.
 - ❖ Two largest number of schools student in all the primary schools in Tuvalu.

Background:

- ▶ Most of the Climate change project address Food security to support Nutritional Security.
- ▶ Vulnerable to impact of climate change.(salt water intrusion, salted water spray). etc
- ▶ Poor soil but the many project have address the soil improvement by bringing in Wood chipper for compost making to improve on soil fertility.
- ▶ School on Funafuti has not introduce to have a School Garden Due to:
 - ❖ Lack of Space.
 - ❖ Is not part of the curriculum.
 - ❖ Is not a target area by the Government of Tuvalu
 - ❖ It never been introduced
- Eating balance diet has been introduce it the past few years in school, but it is base on imported vegetables and fruits.
- Limited fund project from The Government.
- Obesity is very common in Tuvalu.

Background Information:

- ▶ Agriculture dept for technical advises.
- ▶ Health department for health related advises.
- ▶ Head teachers & teachers
- ▶ School students,
- ▶ Seedling and planting materials
- ▶ Funding estimated of \$20,000.00.
- ▶ Water tanks
- ▶ Nursery and tool room.
- ▶ Ministry of Education full support.

Objectives:

Overall Objective:

- To establish and develop 2 school gardens in Funafuti. Is.

Specific Objectives:

1. To raise the awareness of school children and teachers on the importance of growing vegetables in the campus
2. To train school teachers and administrators on school garden development
3. To design school based curriculum on school garden for children
4. To establish garden plots in 2 schools

Methodology:

Department of Agriculture:

- Under go negotiation With heads of the two primary for Approval of Establishment of project.
- Establishment of School vegetables garden.
- Conduct Training of 4 teachers on how to manage the vegetables garden.
- Conduct Training for the 200 Schools children on:
 - ❖ how to make compost.
 - ❖ Preparation of planting beds or land preparation.
 - ❖ How to transplant seedling
 - ❖ How to manage there crop from Transplanting to Harvesting.
 - ❖ The use of locally available materials for reuse on agriculture usages. Eg tyre, Buckets etc
 - ❖ On the local available vegetables.
- Continue Provide seedling and cutting material to school.
- water management technics, eg using of Bucket irrigation.

Methodology

Department of Agriculture & Department of Health:

- Provide Fact sheet on The Nutrient content of different vegetable crops planted and the locally available vegetables
- Training to children and teachers on way of cooking vegetables to minimize the nutrient lost in cooking.
- Testing for vitamin content in children's In the begin of the year and the end of the year.
- develop incentives to motivated student and Teachers
- Insert Agriculture into The primary school Curriculum to be in place by the end of first year of the project.
- Project monitoring by the Agricultural Staff is every week
- Report is done Quarterly base.
- Project Evaluation at 2nd year and the last year of the project.

Target Group:

- ▶ 200 Primary school Student in Funafuti. From Class 6 to class 8
 - ❖ 100 from Nauti Primary School
 - ❖ 100 From Seventh Day Adventist Primary School
- 4 teachers from the Above two primary schools.
 - ❖ 2 from Nauti primary Schools
 - ❖ 2 from Seventh day Adventist Primary school.

No Gender imbalance

Out put:

- ▶ 2 School garden established
- ▶ Selection of schools student to participate in the program.
- ▶ 200 student trained
- ▶ 4 teachers trained
- ▶ Training material provided
- ▶ Fact sheet provided
- ▶ 3 planting season identified. (3 school terms)
- ▶ Relevant topic identify for primary school level curriculum.
- ▶ Any available space identified is made use for School garden

Activities: 4 years

Activities might varied due to the success of the project.

Month (2017 yr - 2021yr)	J	F	M	A	M	J	J	A	S	O	N	D
Activities												
Negotiation with Two Head teachers	➡											
Conduct training to Teachers & School children		○			○			○				
Procurement of materials	➡				➡			➡				
Establishment of The school garden	➡											
Hands on Demonstration to teachers & students		○			○			○				
Provide Training materials		■			■			■			■	
First transplanting take place		■			■			■				
Conduct cooking training to Teachers and Students				▲			▲				▲	
Vitamin Testing												
Presentation of incentives prizes to students						⬇					⬇	
Project monitoring		➡	➡	➡	➡	➡	➡	➡	➡	➡	➡	➡
Project evaluation						⬇						
Project Reporting				▲				▲				▲

Expected Out comes:

- ▶ Student adopt the technology
- ▶ Sufficient supply of local vegetable increases to 30 to 40%
- ▶ Student extend their knowledge and skill on agricultural practices to their homes.
- ▶ Numbers of neighboring home adopt the idea of have home garden.
- ▶ 200 student every year under stand the importance of vegetable to their healthy life.
- ▶ Numbers of student develop skill and pursue on Agriculture as their future career (key area of interest in up forms)
- ▶ 200 student every year contribute to the reduction of Obesity by 5 % in Tuvalu.

Net working

- ▶ The department of Agriculture (Extension officers) will be monitoring the project every week and reporting to Headquarter on the weekly basis, The head quarter will reporting the donor on a quarterly basis.
- ▶ Extension will develop net work with School to make sure no gaps in the projects.
- ▶ Extension will closely work with the Health department and assure the health issue of vegetables and crops is well presented to Students,
- ▶ Department have to have link to ministry of Education, to assure there is no rejection of project within the year of implementation.
- ▶ Hired expertise to do project evaluation.

Thank you very much.....

- ▶ Have a blessed up coming Festive season to Every one.