



Farmers Driven Climate Change Agenda

# Tuvalu Agriculture Practices

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## Brief Introduction

- Tuvalu consists of eight small islands that are scattered around
- The land mass is totally 26km square.
- Tuvalu is an atoll island with a very poor soil that is mostly alkaline.
- Most of the farmers in the country are subsistence farmers
- The country is dramatically affected by climate change issues such as soil salinity, sea level rise, drought, strong winds, pests and diseases and so forth.

## Climate change issues:

- Soil salinity
  - The increasing of salinity in the soil is a problem that most farmers are facing in growing their crops.
- Increasing in sea level rise
  - Rising of sea level affected crops and livestock in the country
- Drought
  - A major problem that happens now and then in the country where agricultural activities will close down during severity stages.
- Strong wind
  - This problem cause a lot of damages to agricultural production
- Pests and Diseases
  - These dangerous insects and diseases reduce the agricultural production that the country is depend on for food security.

## **Agriculture practices/measures:**

The department of Agriculture is practicing some of the measures/practices that cope against climate change. Listed below are some of practices;

- Raising beds/concrete pulaka pits/containers
  - The beds are raise to avoid contaminated from salty soil.
- Agroforestry system
  - The system that we have to plant all different crops in one area, trees, root crops, legumes, vegetables, etc
- Wicking system
  - This system is a system where we can limited the use of water.
- Crop rotation
  - Rotating of crops in a plot or field helps in reducing pests and diseases

## Way Forward:

- The department is working in collaboration with other regional partners and association, national stakeholders, farmers in the country to provide a strategical approach that can reflect assistance and activities that help farmers with their production
- The department also in search for alternative options to ensure that farmers has to adopt from the changes occurs
- A new development (half acre) also introduced by the Department of Agriculture to each of the islands to ensure that all the people of Tuvalu will access to every agriculture crops and livestock in their islands.
- Introducing of resistance agricultural crops that can cope to the changes from climate change
- Strengthening partnerships with different counterparts to help reduce problems and adapt climate issues.

## **Conclusion:**

- Climate change is a very dreadful issues that need to address well to the people and mainly to the farmers
- Farmers are the main source of healthy nutritious diets that need to well educate and well equipped in order to provide sufficient and surplus production for the country
- Everyone need to work hand in hand to make sure that we can cope with the changes occurs from climate change
- Strategies and plans are need to review and redesign to flow with the changes from time to time.
- Stand together to create a better future for our new generations to come.

Thank you for your interest



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