

Rainwater harvesting for food security

Raa.Inguraidhoo

“ The Maldives has limited natural resources, including rainwater, which is needed for food security. This study was done to understand the health issues and challenges regarding the rainwater harvesting for food security. This was a quantitative study done on the house holds of the island Raa.Inguraidhoo and data were collected from 30 households, randomly distributing questionnaires. According to the results, majority of the participants were aware of collecting clean water and do not face health problems by using rainwater but few have faced diarrhea, and vomiting. Majority of the participants filter the water while others boil, but none chlorinates. Challenges in collecting safe water include improper installation and maintenance of guttering system and loss of cleanness due to rats and cats. Challenges for food security include, unavailability of enough rainwater unavailability of quality assessing facilities unable to collect safe water and storage difficulties Recommendations include, regular cleaning of roofs, government subsidies for rainwater harvesting, introducing pest control programme, establishing community water storage facilities, occasional water quality assessing, and holding awareness programme.”

Aims:

To create more awareness among citizens of the island, Inguraidhoo on the importance of harvesting rainwater for food security, and hence enhance a positive attitude towards impacts of climate change.

Objectives:

- To identify the various health issues regarding the rainwater harvesting in the Maldives, especially among the people of Raa. Inguraidhoo.
- To understand the challenges faced on harvesting rainwater for food security.

