



Adoption and Adaptation of Water Harvesting Techniques among Ugandan Semi-Arid Communities

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Published: 11 May 2000 | **Received:** 10 January 2000 | **Accepted:** 15 April 2000

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DOI: [10.5281/zenodo.18719398](https://doi.org/10.5281/zenodo.18719398)

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Abstract

Ugandan semi-arid communities face significant challenges in water management due to unpredictable rainfall and limited water resources. Qualitative research methods were employed, including semi-structured interviews and focus group discussions with community members in the Northwestern region of Uganda. Water harvesting techniques are crucial for sustainable development in semi-arid regions but require community engagement and tailored approaches based on local conditions. Local governments should support the construction of water storage facilities and provide training on maintenance and operation, while promoting policy frameworks that incentivize water conservation practices.

Keywords: *Sub-Saharan, semi-arid, adaptation studies, water management, agro-forestry, participatory, ethnography*

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