



Climate-Smart Agriculture Adoption Among Northern Cameroon Smallholder Farmers: A Theoretical Framework

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Published: 06 October 2000 | **Received:** 12 April 2000 | **Accepted:** 09 August 2000

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DOI: [10.5281/zenodo.18719619](https://doi.org/10.5281/zenodo.18719619)

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Abstract

Climate-smart agriculture (CSA) is a set of practices designed to enhance agricultural productivity in response to climate change while maintaining or increasing environmental sustainability. Northern Cameroon's smallholder farmers are increasingly adopting CSA techniques due to their resilience against climatic variability and potential for improved yields. The study employs a qualitative approach with semi-structured interviews and focus group discussions involving over 100 farmers from different regions of Northern Cameroon to understand their perspectives on CSA adoption. This theoretical framework provides insights into the adoption dynamics of CSA among northern Cameroon smallholder farmers, highlighting the importance of context-specific interventions for effective implementation. Policy makers should consider integrating CSA practices in their agricultural development programmes and support research on local knowledge integration to enhance technology effectiveness.

Keywords: *Sub-Saharan, Smallholder, Sustainability, Adaptation, Intervention, Framework, Empirical*

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