African Youth Sociology

Climate Smart Agriculture Practices and Their Impact on Smallholder Farmers in Southern Mozambique Communities: An Action Research Study 2007

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Abstract

Climate change poses significant challenges to smallholder farmers in Southern Mozambique communities, particularly affecting crop yields and food security. An action research approach was employed, involving participatory rural appraisal sessions with local communities to gather data through interviews and focus group discussions. The majority of participants reported a significant increase in crop yields (up to 30%) after adopting CSA practices, leading to improved food security and income generation among the farmers. Climate Smart Agriculture practices have demonstrated substantial benefits for smallholder farmers in Southern Mozambique communities, contributing positively to their livelihoods. Further research should be conducted to evaluate long-term impacts of CSA on soil health and biodiversity, while continuous engagement with local stakeholders is essential for sustained agricultural development. Climate Smart Agriculture, Smallholder Farmers, Food Security, Southern Mozambique

Keywords: *Sub-Saharan, GIS, Participatory Mapping, Farmer Field School, Community-Based Adaptation, Adaptive Management, Climate Resilience*

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