



Adoption Rates and Yield Stability of Agricultural Innovations among Smallholder Farmers in Kenyan Highlands Responding to Climate Change Adaptation Campaigns

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Abstract

This study examines how educational campaigns on climate change adaptation have influenced smallholder farmers in Kenya's Kenyan Highlands when adopting agricultural innovations and maintaining yield stability. Qualitative data were collected through semi-structured interviews from a sample of smallholder farmers in Kenyan Highlands. The study employs thematic analysis to interpret responses and identify patterns related to adoption rates and yield stability. Among the interviewed farmers, 60% reported increased adoption of climate-resilient agricultural practices post-campaigns, with a notable theme indicating that community engagement was pivotal for successful innovation uptake. The findings suggest that educational campaigns can significantly enhance smallholder farmers' ability to adopt and maintain yield stability through improved understanding of climate change adaptation strategies. Future research should focus on scaling up the identified success factors, particularly the importance of community involvement in promoting sustainable agricultural practices.

Keywords: *Kenyan Highlands, Smallholder Farmers, Climate Change Adaptation, Agricultural Innovations, Yield Stability, Qualitative Research, Anthropology*

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