



Adoption Dynamics of Climate-Smart Agriculture Techniques Among Maasai Herders in Northern Kenya: A Mixed Methods Study

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Abstract

Climate change impacts are increasingly evident in Maasai pastoral communities of northern Kenya, necessitating innovative agricultural practices to sustain livelihoods. A mixed-methods approach combining qualitative interviews with quantitative surveys was employed to assess farmers' perceptions, behaviors, and outcomes from adopting these practices. Significant variations were observed in the adoption rates across different geographic regions, with an overall adoption rate of 45% among surveyed households. The mixed-methods study revealed that socio-economic factors significantly influenced farmers' decisions to adopt climate-smart agriculture techniques. Policy makers should tailor support initiatives to address specific challenges faced by Maasai herders in adopting these practices, emphasising community engagement and education programmes. Maasai herders, Climate-Smart Agriculture, Adoption Dynamics, Northern Kenya

Keywords: Kenya, Maasai, pastoralism, qualitative, quantitative, anthropology, sustainability

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