



Adoption Rates and Impacts of Water-Saving Irrigation Systems in Kenyan Agricultural Provinces: Six-Month Outcomes

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Abstract

This study examines the adoption rates and outcomes of water-saving irrigation systems in Kenyan agricultural provinces. A mixed-methods approach combining quantitative surveys with qualitative interviews was employed to gather data from a sample of agricultural producers in selected provinces. In the first six months post-installation, 45% of farmers adopted water-saving irrigation systems, primarily due to improved crop yields and reduced labour costs. The findings suggest that while there are initial benefits, sustained support is needed for long-term adoption and impact maximisation. Policy makers should provide subsidies or training programmes to encourage wider adoption of these systems in Kenyan agricultural regions.

Keywords: *African Geography, Water Scarcity, Irrigation Systems, Methodology, Quantitative Analysis, Qualitative Research, Sustainable Agriculture*

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