



# Sustainable Practices Framework in Nigerian Arid Agriculture: Adoption Rates and Yield Enhancement Measures

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## Abstract

Sustainable agriculture practices are crucial for maintaining productivity in arid regions of Nigeria, where climate change exacerbates water scarcity and soil degradation. A qualitative study employing thematic analysis to identify farmer perceptions and constraints related to adopting sustainable agriculture practices. The theoretical framework highlights the importance of addressing socio-economic barriers through policy interventions and community engagement to facilitate greater farmer uptake of sustainable agricultural practices. Develop targeted extension services and subsidies for water-saving irrigation technologies, alongside capacity-building programmes focused on soil health management. Encourage farmer cooperatives to pool resources for collective purchasing of inputs and share knowledge.

**Keywords:** *African Geography, Aridity, Sustainability Theory, Farmer Behaviour, Agricultural Methodology, Climate Change Adaptation, Soil Erosion Control*

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