



# Digital Agriculture Platforms in North Nigerian Villages: Farmer Acceptance and Adoption Dynamics

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## Abstract

Digital agriculture platforms have emerged as a promising tool for improving food security in rural communities worldwide. In North Nigeria, these platforms hold particular promise due to their potential to integrate smallholder farmers into broader agricultural value chains. The study employed a mixed-methods approach, combining qualitative interviews with quantitative surveys among smallholder farmers in selected communities across North Nigeria. The analysis reveals a complex interplay between socio-economic factors and technological sophistication in shaping farmer engagement with digital agriculture solutions. Given these insights, it is recommended that policymakers consider tailoring digital platform features to align more closely with local agricultural practices and needs. Digital Agriculture Platforms, North Nigeria, Farmer Acceptance, Adoption Dynamics

**Keywords:** *African geography, Digital divide, Participatory action research, Farmer field schools, Technological determinism, Adoption curves, Socio-economic indicators*

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