



A Framework for Analysing Adoption and Performance of Precision Livestock Feeding Technologies Among Smallholder Farmers in Nigerian Grasslands

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Published: 10 October 2004 | **Received:** 28 June 2004 | **Accepted:** 22 September 2004

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DOI: [10.5281/zenodo.18791344](https://doi.org/10.5281/zenodo.18791344)

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Abstract

Precision livestock feeding technologies have gained traction in addressing challenges associated with traditional management practices among smallholder farmers in Nigerian grasslands. The approach will involve literature review and qualitative analysis to identify key factors influencing technology uptake and impact. The theoretical framework will serve as a foundation for future empirical studies to validate its predictive power. Investigate the long-term sustainability of these technologies in different farming contexts across Nigeria.

Keywords: *Sub-Saharan, Geographic Information Systems, Livestock Management, Participatory Rural Appraisal, Performance Evaluation, Precision Agriculture, Smallholder Economics*

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