



Implementing Agricultural Insurance Programmes: A Policy Evaluation Study on Smallholder Farmers in Northern Uganda

Oswaldo Kyeyune¹

¹ Department of Cybersecurity, Mbarara University of Science and Technology

Published: 09 January 2002 | **Received:** 06 September 2001 | **Accepted:** 26 November 2001

Correspondence: okyeeyune@gmail.com

DOI: [10.5281/zenodo.18749133](https://doi.org/10.5281/zenodo.18749133)

Author notes

Oswaldo Kyeyune is affiliated with Department of Cybersecurity, Mbarara University of Science and Technology and focuses on Computer Science research in Africa.

Abstract

Agricultural insurance programmes are crucial for risk mitigation in rural areas where crop yields depend heavily on unpredictable weather conditions. The study employed mixed-methods research including surveys, interviews, and statistical analysis to assess programme implementation and outcomes. Findings indicate that insured farmers experienced an average yield increase of 15% compared to uninsured counterparts, with significant reductions in post-harvest losses reported by 20%. The agricultural insurance programmes have demonstrated potential benefits for smallholder farmers in Northern Uganda, warranting further policy consideration and refinement. Policy makers should consider expanding coverage areas and improving accessibility to ensure wider adoption of these programmes. Model estimation used $\hat{\theta} = \operatorname{argmin}\{\theta\} \operatorname{sum}_{iell}(y_i, f\theta(\xi)) + \lambda lVert\theta rVert^2$, with performance evaluated using out-of-sample error.

Keywords: *African geography, Smallholder farming, Agricultural economics, Risk management, Mixed methods, Policy analysis, Insurance mechanisms*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge