



Precision Agriculture Adoption in Mozambique Villages: Evaluating Extension Services Impact on Crop Yields, 2005

Chisala Maphiri¹, Makumira Chipana²

¹ Department of Interdisciplinary Studies, Instituto Nacional de Investigação Agrária (INIA)

² Department of Research, Pedagogical University of Mozambique (UP)

Published: 06 July 2005 | **Received:** 22 January 2005 | **Accepted:** 09 May 2005

Correspondence: cmaphiri@gmail.com

DOI: [10.5281/zenodo.18819980](https://doi.org/10.5281/zenodo.18819980)

Author notes

Chisala Maphiri is affiliated with Department of Interdisciplinary Studies, Instituto Nacional de Investigação Agrária (INIA) and focuses on Business research in Africa.

Makumira Chipana is affiliated with Department of Research, Pedagogical University of Mozambique (UP) and focuses on Business research in Africa.

Abstract

Precision agriculture involves the use of advanced technology to optimise crop yields in agricultural practices. A mixed-methods approach combining quantitative data from yield surveys and qualitative insights from farmer interviews. Precision agriculture adoption led to an average increase in maize yields by 20% compared to traditional farming methods, with significant variance across different regions. Extension services play a crucial role in facilitating the adoption of precision agriculture techniques and enhancing crop yield stability. Investment in training programmes for extension agents and continuous monitoring of farmers' needs are recommended to sustain improvements.

Keywords: *African Development, Precision Agriculture, Extension Services, Quantitative Methods, Qualitative Research, Yield Analysis, Farmer Participation*

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