



Climate Smart Agriculture Practices and Crop Yields in Southern Mozambique: An Impact Analysis

Nhamozi Nhaka¹, Muhindo Chimoéne^{2,3}, Sangwenka Dhlakama⁴

¹ Department of Advanced Studies, Lúrio University

² Lúrio University

³ Department of Interdisciplinary Studies, Pedagogical University of Mozambique (UP)

⁴ Pedagogical University of Mozambique (UP)

Published: 15 February 2000 | **Received:** 21 October 1999 | **Accepted:** 09 January 2000

Correspondence: nnhaka@aol.com

DOI: [10.5281/zenodo.18715427](https://doi.org/10.5281/zenodo.18715427)

Author notes

Nhamozi Nhaka is affiliated with Department of Advanced Studies, Lúrio University and focuses on African Studies research in Africa.

Muhindo Chimoéne is affiliated with Lúrio University and focuses on African Studies research in Africa.

Sangwenka Dhlakama is affiliated with Pedagogical University of Mozambique (UP) and focuses on African Studies research in Africa.

Abstract

Southern Mozambique faces significant climate variability that affects agricultural productivity. Climate Smart Agriculture (CSA) practices are being promoted to enhance resilience and sustainability in this region. The study employed a mixed-methods approach combining household surveys and satellite data analysis. Survey responses from 100 randomly selected farmers were used to assess yield changes post-implementation of CSA interventions. Findings indicate an average increase in maize yields by 25% following the adoption of CSA practices, with cassava yields showing a consistent 10% improvement. The implementation of CSA has demonstrated promising effects on crop yields in Southern Mozambique, particularly for maize and cassava crops. These results underscore the potential of CSA as an effective strategy to improve agricultural resilience in similar climatically vulnerable regions. Government agencies should prioritise funding for CSA programmes and provide technical support to farmers adopting these practices. Additionally, there is a need for continued research on long-term sustainability impacts and best practices.

Keywords:

Southern

Geographic

African,

Terms:

Sub-Saharan

Relevant

Sustainable

Agriculture,

Climate

Concepts:

Resilience

Methodological

Impact Assessment, Evaluation Studies

Terms:

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