African Sports Management Studies
(Social/Business/Management)

Climate Resilient Maize Varieties and Yields among Mozambican Smallholders: A Longitudinal Assessment

Mudhabo Nhamudo[1,2], **Makula Malangatanga**[1,3], **Tchibangu Chikoyamba**[4]

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

[2] Department of Advanced Studies, Catholic University of Mozambique

[3] Department of Research, Pedagogical University of Mozambique (UP)

[4] Department of Advanced Studies, Pedagogical University of Mozambique (UP)

Published: 21 March 2004 | **Received:** 05 January 2004 | **Accepted:** 09 February 2004

Correspondence: mnhamudo@yahoo.com

DOI: 10.5281/zenodo.18799872

Author notes

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

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

Tchibangu Chikoyamba is affiliated with Department of Advanced Studies, Pedagogical University of Mozambique (UP) and focuses on Business research in Africa.

Abstract

Climate change is increasingly affecting agricultural productivity in Mozambique, particularly maize yields among smallholder farmers. A longitudinal study using farmer surveys and yield data from 50 randomly selected villages across Mozambique. Farmers reported higher yields (up to 20% increase) in climate-resilient varieties compared to conventional ones, with significant adoption rates exceeding 60% among surveyed households. Climate-resilient maize varieties have the potential to enhance agricultural productivity and food security for Mozambican smallholders under changing climatic conditions. Government should provide subsidies and extension services to promote wider adoption of these resilient seeds.

Keywords: *African, Climate Change, Maize, Smallholder, Yield Stability, Adaptation, Longitudinal Analysis*

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