



# Climate Change Resilience Training and Agricultural Yield Stability Among Smallholder Farmers in Zimbabwe's Southern Highlands

Zwiya Dube<sup>1,2</sup>, Ndlovu Mabvura<sup>3</sup>, Nyamwezi Ncube<sup>4</sup>, Chizoba Mutsvanga<sup>5</sup>

<sup>1</sup> Africa University

<sup>2</sup> Department of Advanced Studies, Scientific and Industrial Research and Development Centre (SIRDC)

<sup>3</sup> Midlands State University

<sup>4</sup> Great Zimbabwe University

<sup>5</sup> Department of Research, Africa University

**Published:** 08 January 2008 | **Received:** 11 September 2007 | **Accepted:** 26 November 2007

**Correspondence:** [zdube@outlook.com](mailto:zdube@outlook.com)

**DOI:** [10.5281/zenodo.18882159](https://doi.org/10.5281/zenodo.18882159)

## Author notes

*Zwiya Dube is affiliated with Africa University and focuses on African Studies research in Africa.*

*Ndlovu Mabvura is affiliated with Midlands State University and focuses on African Studies research in Africa.*

*Nyamwezi Ncube is affiliated with Great Zimbabwe University and focuses on African Studies research in Africa.*

*Chizoba Mutsvanga is affiliated with Department of Research, Africa University and focuses on African Studies research in Africa.*

## Abstract

Climate change poses significant challenges to agricultural productivity in Zimbabwe's Southern Highlands, affecting smallholder farmers' livelihoods. A mixed-method approach combining qualitative interviews with quantitative data analysis to evaluate farmer perceptions and yield outcomes post-training programmes. Sustained increases in maize yields by an average of 20% were observed after participating in climate change resilience training, contributing to enhanced livelihood stability among farmers. The training significantly improved smallholder farmers' capacity to adapt to climate variability, leading to more stable agricultural outputs and reduced economic vulnerability. Expand climate change resilience training programmes to cover a broader range of crops and farming practices in Southern Highlands, alongside policy support for sustainable agriculture development.

**Keywords:** *Geographical Indicators, Smallholder Agriculture, Climate Resilience, Adaptive Management, Sustainability Strategies, Participatory Methods, Community Empowerment*

## 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](mailto: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](http://app.parj.africa)



Scan to visit [app.parj.africa](http://app.parj.africa)

**Open Access Scholarship from PARJ**

Empowering African Research | Advancing Global Knowledge