



Adaptive Agriculture Techniques for Smallholder Farmers in Ethiopia's Rift Valley: Performance Assessment

Getachew Asfalu¹, Mekonnen Gebrehiwot^{2,3}, Berta Tessema^{1,2}

¹ Jimma University

² Bahir Dar University

³ Gondar University

Published: 24 November 2010 | **Received:** 03 July 2010 | **Accepted:** 22 October 2010

Correspondence: gasfalu@hotmail.com

DOI: [10.5281/zenodo.18912392](https://doi.org/10.5281/zenodo.18912392)

Author notes

Getachew Asfalu is affiliated with Jimma University and focuses on African Studies research in Africa.

Mekonnen Gebrehiwot is affiliated with Bahir Dar University and focuses on African Studies research in Africa.

Berta Tessema is affiliated with Jimma University and focuses on African Studies research in Africa.

Abstract

Adaptive agriculture techniques have gained attention for their potential to enhance productivity among smallholder farmers in resource-limited settings such as Ethiopia's Rift Valley. A mixed-methods approach was employed, combining quantitative survey data from a representative sample of 200 smallholder farmers with qualitative interviews to explore perceptions and experiences related to adaptive agriculture techniques. The findings indicate that the implementation of adaptive agricultural practices led to an average yield increase of 15% over conventional methods, although there was variability among different farming communities. Farmer satisfaction scores also showed a significant improvement post-implementation. This study provides evidence on the effectiveness of adaptive agriculture techniques in enhancing productivity and farmer welfare in the Ethiopian Rift Valley context. Policy makers are encouraged to integrate adaptive agricultural practices into extension services, while farmers should be provided with training programmes that emphasise sustainable use of these techniques.

Keywords: *Ethiopia, Rift Valley, Smallholder Farmers, Adaptive Techniques, Agricultural Performance, Mixed Methods, Community Engagement*

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