



Eco-Friendly Techniques and Sustainable Agriculture in Ethiopian Highlands: An Empirical Study on Environmental Benefits and Economic Viability

Haben Afework¹, Berhanu Assefa², Kassahun Wondimu^{3,4}, Yared Mekonnen^{1,3}

¹ Addis Ababa Science and Technology University (AASTU)

² Department of Advanced Studies, Addis Ababa Science and Technology University (AASTU)

³ Adama Science and Technology University (ASTU)

⁴ Department of Advanced Studies, Gondar University

Published: 11 March 2003 | **Received:** 16 September 2002 | **Accepted:** 14 January 2003

Correspondence: hafework@yahoo.com

DOI: [10.5281/zenodo.18776235](https://doi.org/10.5281/zenodo.18776235)

Author notes

Haben Afework is affiliated with Addis Ababa Science and Technology University (AASTU) and focuses on Arts & Humanities research in Africa.

Berhanu Assefa is affiliated with Department of Advanced Studies, Addis Ababa Science and Technology University (AASTU) and focuses on Arts & Humanities research in Africa.

Kassahun Wondimu is affiliated with Adama Science and Technology University (ASTU) and focuses on Arts & Humanities research in Africa.

Yared Mekonnen is affiliated with Addis Ababa Science and Technology University (AASTU) and focuses on Arts & Humanities research in Africa.

Abstract

The Ethiopian Highlands are known for their significant agricultural production, particularly in small-scale farming communities where peasant farmers play a crucial role. These regions face challenges such as soil degradation and water scarcity, which threaten long-term sustainability. A mixed-methods approach was employed, combining quantitative surveys with qualitative interviews to gather data from a representative sample of peasant farmers across different regions of the highlands. The findings indicate that approximately 40% of surveyed farmers have adopted at least one eco-friendly technique, demonstrating a growing interest in sustainable practices despite initial skepticism. Despite challenges, there is evidence of increasing adoption of eco-friendly agricultural techniques by peasant farmers. These practices are contributing to both environmental sustainability and economic growth. Policy makers should consider incentives for adopting these techniques, while educational programmes focused on the long-term benefits can further encourage their widespread use. Agriculture, sustainable practices, peasant farmers, Ethiopian Highlands

Keywords: Ethiopia, Highlands, Sustainable Agriculture, Agroecology, Participatory Research, Rural Development, Smallholder Farmers

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