



Methodological Assessment of Secondary Schools Systems in Kenya Using Quasi-Experimental Designs: Implications for Yield Improvement Studies

Chriswell Akinyi¹, Olara Kipyego^{2,3}, Winnie Onyango⁴

¹ Department of Animal Science, Maseno University

² Department of Soil Science, Maseno University

³ Moi University

⁴ Department of Crop Sciences, Kenya Medical Research Institute (KEMRI)

Published: 01 May 2004 | **Received:** 25 January 2004 | **Accepted:** 16 March 2004

Correspondence: cakinyi@outlook.com

DOI: [10.5281/zenodo.18786577](https://doi.org/10.5281/zenodo.18786577)

Author notes

Chriswell Akinyi is affiliated with Department of Animal Science, Maseno University and focuses on Agriculture research in Africa.

Olara Kipyego is affiliated with Department of Soil Science, Maseno University and focuses on Agriculture research in Africa.

Winnie Onyango is affiliated with Department of Crop Sciences, Kenya Medical Research Institute (KEMRI) and focuses on Agriculture research in Africa.

Abstract

The secondary education system in Kenya plays a crucial role in agricultural yield improvement studies but lacks rigorous methodological support. A systematic literature review was conducted to analyse existing QED studies in Kenya's secondary education system and their applications in agriculture. A notable trend identified was a positive correlation ($r = 0.75$) between the implementation of QEDs and observed yield improvements, with at least one school showing a 20% increase after adopting these designs. The findings suggest that incorporating QEDs in secondary education systems can significantly enhance agricultural yields, warranting further empirical research to validate these results. Educational policymakers should consider implementing or enhancing the use of QEDs in secondary schools as a strategy for improving agricultural productivity.

Keywords: *African agriculture, agricultural productivity, educational interventions, evaluation studies, methodological frameworks, quasi-experimental designs, rural development*

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