African Agronomy Journal (Agri/Plant Science)

Innovative High-CO2 Emissions Pest Management Strategies for Rice in Nairobi Slums, Kenya

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Published: 14 June 2005 | **Received:** 02 February 2005 | **Accepted:** 18 April 2005

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DOI: 10.5281/zenodo.18811455

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Abstract

This study addresses a current research gap in Agriculture concerning Innovative Pest Management Strategies for High-CO2 Emissions Rice in Nairobi Slums in Kenya. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A structured review of relevant literature was conducted, with thematic synthesis of key findings. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Innovative Pest Management Strategies for High-CO2 Emissions Rice in Nairobi Slums, Kenya, Africa, Agriculture, systematic review This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. The empirical specification follows $Y = \vec{\beta_{0+\beta}} p\, X + varepsilon$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African agriculture, climate change, integrated pest management, high CO2 effects, sustainable practices*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

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