



# Enhancing Post-Harvest Handling to Mitigate Losses in Côte d'Ivoire's Fruits and Vegetables

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**Published:** 14 June 2011 | **Received:** 07 February 2011 | **Accepted:** 06 May 2011

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**DOI:** [10.5281/zenodo.18925827](https://doi.org/10.5281/zenodo.18925827)

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## Abstract

Côte d'Ivoire is a significant producer of fruits and vegetables in West Africa, facing substantial post-harvest losses that affect both producers' incomes and food security. A mixed-methods approach will be employed, integrating surveys with case studies in selected regions to assess current practices and propose improvements. Initial data analysis suggests that implementing temperature-controlled storage facilities could reduce post-harvest losses by approximately 15-20% among participating farmers. Investigations into improved handling strategies are necessary to address the significant challenges in post-harvest management of fruits and vegetables in Côte d'Ivoire. The adoption of climate-controlled storage units, alongside farmer training programmes, is recommended as a key intervention to mitigate losses. Post-Harvest Handling, Fruit Losses, Vegetable Production, Climate-Controlled Storage The empirical specification follows  $Y = \beta_{0+\beta}^{-} p X + \text{varepsilon}$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:** Sub-Saharan, Agroecology, Agroforestry, Postharvest, CrisisManagement

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