



Improving Post-Harvest Handling to Minimise Fruit and Vegetable Losses in Côte d'Ivoire: An Intervention Study

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Abstract

Fruit and vegetable losses during post-harvest handling are significant in Côte d'Ivoire, a major agricultural hub. A randomized controlled trial was conducted in two regions, with data collected using standardised forms and surveys. Losses were quantified by a weighted average loss rate (WALR). Data indicate that the intervention reduced losses by 15% over six months compared to control areas. The intervention showed promise in reducing post-harvest losses but requires further evaluation and optimization. Further research should focus on scaling up interventions, addressing logistical challenges, and enhancing community engagement. The empirical specification follows $Y = \beta_{0+\beta}^{-1} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: Côte d'Ivoire, Geographic Focus, Post-Harvest Management, Loss Reduction, Intervention Studies, Agricultural Economics, Supply Chain Enhancement

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