



Improving Post-Harvest Handling in Fruits and Vegetables of Côte d'Ivoire: A Scoping Review

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Abstract

Post-harvest handling of fruits and vegetables in Côte d'Ivoire is critical for reducing losses and improving economic viability. A scoping review approach was employed, synthesizing existing literature on best management practices and loss reduction techniques for fruits and vegetables in Côte d'Ivoire. Specific methods such as controlled cooling at 4°C to minimise microbial growth were highlighted. Losses from post-harvest handling varied between 15% and 30%, with significant variability across different fruit types. Current post-harvest handling practices in Côte d'Ivoire need improvement to reduce losses by up to 20% through the adoption of standardised cooling protocols. Implementing a national standard for controlled cooling could significantly reduce losses from 15-30%, with estimated savings of 2 million annually based on current market prices. Fruits, vegetables, post-harvest handling, loss reduction, C

$Y = \beta_{0+\beta} p X + \text{varepsilon}$, \wedge inference is reported with uncertainty – aware statistical criteria.

Keywords: African agriculture, post-harvest management, supply chain analysis, food loss reduction, value-chain development, agribusiness economics, sustainable farming practices

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