



Integrating Livestock and Crop Production for Sustainable Farming in Uganda

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Abstract

Ugandan farmers face challenges in achieving sustainable agricultural practices that integrate livestock and crop production. A systematic literature review approach was employed to identify relevant studies. Keywords included 'livestock integration', 'crop production', 'sustainability', and 'Uganda'. Studies published between and were considered. The analysis revealed that the adoption of integrated farming systems in Uganda has shown a significant increase in crop yields by up to 20% compared to conventional methods, with farmer participation rates varying from 40% to 60%. Integrated livestock and crop production offers promising solutions for enhancing farm sustainability in Uganda. Farmers should be provided with training on integrated farming techniques, while policymakers could implement incentives for adopting these systems. The empirical specification follows $Y = \beta_{0+\beta} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: African agriculture, agroecology, sustainable intensification, integrated farming systems, livestock-crop interface, smallholder farmers, participatory rural appraisal

ABSTRACT-ONLY PUBLICATION

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