



# Integrated Farming Systems for Resource-Poor Farmers in Benin: A Case Study Approach

Integrated Farming  
Systems for Resource-Poor  
Farmers

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## Abstract

Integrated farming systems have been proposed as a solution to improve agricultural productivity among resource-poor farmers in developing countries like Benin. A mixed-methods approach combining qualitative interviews with quantitative data analysis was employed, including a survey designed by local agricultural experts. The findings indicate that an overall increase of 20% in maize yield among participating resource-poor farmers was observed following the implementation of integrated farming systems. Integrated farming systems have demonstrated potential to enhance agricultural productivity and reduce economic burden for smallholder farmers in Benin. Farmers should be provided with training on best practices within integrated farming systems, while governments can support through policy incentives and extension services. Benin, resource-poor farmers, integrated farming systems, crop yield, input costs The empirical specification follows  $Y = \beta_{0+\beta}^{-1} p X + \text{varepsilon}$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:** *African Agriculture, Integrated Farming Systems, Resource-Poor Farmers, Small-Scale Production, Participatory Rural Appraisal, Ecological Balance, 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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