



Integrated Farming Systems in Benin: A Review for Resource-Poor Farmers

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Abstract

Integrated farming systems (IFS) in Benin have been proposed as a solution to enhance agricultural productivity among resource-poor farmers. A comprehensive search strategy was employed using multiple databases including Web of Science and Scopus. Studies were screened based on predefined inclusion criteria related to IFS implementation in Benin agriculture. The review identified a significant proportion (60%) of studies reporting positive impacts of IFS, particularly in increasing crop yields by up to 25% compared to traditional farming methods. IFS have shown promise for resource-poor farmers in Benin, though variability exists depending on the specific system implemented and local conditions. Investment in research is recommended to tailor IFS solutions more effectively to different regions of Benin, with a focus on socio-economic factors influencing adoption. 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, sustainable agriculture, agroecology, participatory approaches, system analysis*

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