

## **Impact of Agroecological Practices on Household Productivity in the Region of Plateau Central in Burkina Faso**

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**Abstract:** This research aims to analyze the effects of agroecological practices (AEP) on agricultural production. The Endogenous Switching Regression model was used to identify the determinants of the adoption of AEPs and assess their impact on agricultural productivity. Primary data were collected from a sample of 360 producers as part of a “Resilience” project. The results reveal that factors such as the number of farm assets, social status, farming experience and ownership of draught animals are the main determinants of the adoption of AEPs which increase the average grain yield for adopters by around 1,395 kg/ha. Policymakers in Agricultural Sector must pay attention to AEPs and support their dissemination in order to improve farmers’ resilience to climate variability.

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