



Climate Smart Agriculture Practices in Southern Malawi: Evaluating Yields and Agroecological Sustainability

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Abstract

Climate change poses significant challenges to agricultural productivity in Southern Malawi, where climate-smart agriculture (CSA) practices are being promoted as a solution. Field data were collected through farmer surveys and field observations, focusing on practices such as conservation agriculture, intercropping, and water management techniques. Conservation agriculture showed an average yield increase of 15% compared to conventional farming methods in the region, highlighting its effectiveness for enhancing soil health and moisture retention. The analysis indicates that CSA is a promising strategy for improving agricultural productivity while maintaining environmental sustainability. Governments and development organizations should support the scaling up of CSA practices through policy incentives and farmer training programmes.

Keywords: *African Geography, Climate Change Adaptation, Ecosystem Services, Interventions Analysis, Participatory Monitoring*

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