Adapting Eco-Friendly Technologies to Tanzanian Maize Farmers: Adoption Rates and Productivity Enhancement

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Abstract

Eco-friendly agriculture technologies have emerged as a promising solution to enhance crop productivity in developing countries like Tanzania, where traditional farming methods often lead to environmental degradation and yield stagnation. The study employs a qualitative approach to gather insights from farmer interviews and community surveys conducted across selected regions in Tanzania. The findings suggest that while eco-friendly agricultural innovations face challenges related to initial investment costs, they offer substantial potential for increasing productivity in Tanzanian maize farming communities. Policy makers should consider subsidizing the adoption of these technologies and providing training programmes to facilitate better integration into local farming practices.

Keywords: *Tanzania, Geographical Adaptation, Techno-scientific Integration, Yield Enhancement, Sustainable Practices, Participatory Research, Farmer-Field Schools*

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