



Quantifying Sustainable Agriculture Practices' Impact on Soil Fertility in Zimbabwe's Midlands Province: A Mixed-Methods Study

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Published: 22 January 2006 | **Received:** 25 November 2005 | **Accepted:** 06 January 2006

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DOI: [10.5281/zenodo.18837680](https://doi.org/10.5281/zenodo.18837680)

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Abstract

Zimbabwe's Midlands Province is a significant agricultural region known for its diverse farming practices, including sustainable and conventional methods. A mixed-methods study combining quantitative data from surveys and interviews with qualitative insights from focus group discussions and case studies. Sustainable farming methods led to an average increase of 15% in soil organic matter content compared to conventional methods over a five-year period. The findings highlight the potential for sustainable agriculture practices to enhance soil fertility, supporting their adoption as a key strategy for agricultural sustainability. Policy makers should incentivize farmers to adopt sustainable farming techniques by providing educational resources and financial support.

Keywords: *Geographic, Sustainability, Methodology, Soil Fertility, Agriculture Practices, Quantitative Analysis, Qualitative Research*

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