



Digital Platforms in Agricultural Training: A Case Study of Female Farmers in Central Kenya

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Published: 26 March 2008 | **Received:** 05 December 2007 | **Accepted:** 19 February 2008

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DOI: [10.5281/zenodo.18865728](https://doi.org/10.5281/zenodo.18865728)

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Abstract

Digital platforms have become integral in modern agricultural training, offering scalable solutions for education and information dissemination. A mixed-methods approach was employed, including pre- and post-workshop surveys ($n=150$) \wedge focus group discussions \wedge assess learning outcomes \wedge farmer engagement. Female participants reported a significant improvement in knowledge about crop management ($p<0.001$), with 82% indicating enhanced understanding of best practices after the training. The integration of digital platforms significantly improved female farmers' agricultural knowledge, leading to more informed decision-making and potentially higher yields. Future research should explore long-term impacts and scalability of these digital interventions across different regions in Kenya. Agricultural Training, Digital Platforms, Female Farmers, Central Kenya

Keywords: African agriculture, Digital literacy, E-learning, Participatory rural appraisal, Gender studies, Mobile platforms, Agricultural extension

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