



Adoption Dynamics of High-Yield Maize Varieties by Nairobi Slum Women Farmers

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Abstract

Nairobi slum women farmers face challenges in adopting high-yield maize varieties due to limited resources and knowledge gaps. Mixed methods approach including surveys ($n=120$) \wedge *focus group discussions* ($n=8$ groups). Data analysis used thematic content analysis for qualitative data and mixed-effects logistic regression for quantitative data. Women farmers showed significant interest in adopting high-yield maize varieties, with a preference towards drought-resistant hybrids (75%). However, limited access to credit was identified as a major barrier (30% reported difficulty accessing loans). Adoption of high-yield maize varieties by Nairobi slum women farmers is feasible but requires targeted interventions focusing on financial support and improved seed supply. Develop tailored extension services, increase access to credit, and promote community-based savings groups to enhance adoption rates.

Keywords: Kenya, Sub-Saharan, Geographical Focus, Mixed Methods, Community Engagement, Empowerment Strategies, Participatory Action Research

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