

# **“One Acre Model” Effect on Maize Productivity among Smallholder Maize-Bean Farmers in Kimilili Sub-County, Kenya**

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This study aims to examine the effect of the one-acre model on maize productivity in Kimilili Sub-County, Kenya. One acre fund is a non-governmental organization operating in western Kenya offering comprehensive credit-in-kind bundle of seeds, fertilizer, training and market facilitation. A systematic sampling technique will be used to select 384 smallholder maize farmers. A semi-structured questionnaire will be administered to collect cross-sectional data for the study. Endogenous switching regression models will be used to analyze the one acre fund effects on maize productivity among smallholder farmers. Although smallholder farmers participating in the one-acre fund model can access credit-in-kind inputs, it is unclear whether it has any significant effect on their productivity.

**Key words:** One Acre Fund, Productivity and Credit-in-kind inputs