

## **The Effect of Sustainable Land Management Technologies on Food Security of Farming Households in Kwara State, Nigeria**

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**Abstract :** Nigeria is among countries of the world confronted with food insecurity problem. The agricultural production systems that produces food for the teeming population is not endurable. Attention is thus being given to alternative approaches of intensification such as the use of Sustainable Land Management (SLM) technologies. Thus, this study assessed the effect of SLM technologies on food security of farming households in Kwara State, Nigeria. A-three stage sampling technique was used to select a sample of 200 farming households for this study. Descriptive statistics, Shriar index, Likert scale, food security index and logistic regression were employed for the analysis. The result indicated that majority (41%) of the household heads were between the ages of 51 and 70 years with an average of 60.5 years. Food security index revealed that 35% and 65% of the households were food secure and food insecure respectively. The logistic regression showed that SLM technologies, estimated income, household size, gender and age of the household heads were the critical determinants of food security among farming households. The most effective coping strategies adopted by households geared towards lessening the effects of food insecurity are reduced quality of food consumed, employed off-farm jobs to raise household income and diversion of money budgeted for other uses to purchase foods. Governments should encourage the adoption and use of SLM technologies at all levels. Policies and strategies that reduce household size should be enthusiastically pursued to reduce food insecurity.

**Keywords :** agricultural practices, coping strategies, farming households, food security, SLM technologies, logistic regression

**Conference Title :** ICAE 2019 : International Conference on Agricultural Economics

**Conference Location :** Rome, Italy

**Conference Dates :** January 17-18, 2019