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Determinants of Maize Production in Uganda: A Case Study of Baitambogwe Sub-County in Mayuge District

This research examined the determinants of maize production in Uganda. A multistage sampling technique was used to select 54 farmers in the study area of Baitambogwe sub-county in Mayuge district. The data obtained from the field were subjected to analysis using inferential statistics, which was used to test the hypotheses. Results of the Cobb-Douglas model showed that family labour, quantity of seeds used and bags of maize sold are positive and statistically significant correlation with maize output with coefficients of 5.964, 5.945 and 11.012 respectively. This implies that a one percent increase in family labour, quantities of seeds used, and bags of maize sold leads to an increase in maize output by 5.964, 5.945 and 11.012 percent respectively. The probability of the F- statistics from the model used was 0.0060 which is less than 0.05, confirming the overall significance of the model used in the study, was good indicating a good fit and the correctness of the model. The study, therefore, recommends that, the government should develop strategic policies to target attaining quality family labour, improved and quality seeds and availing markets for the maize produced by the farmers in the study.

Key words: Maize, Production