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AND EFFECTS ON FARM INCOME: EVIDENCE FROM ONDO STATE, NIGERIA**

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ADOPTION OF IMPROVED AGRICULTURAL TECHNOLOGIES BY COCOA FARMER AND EFFECTS ON FARM INCOME: EVIDENCE FROM ONDO STATE, NIGERIA

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ABSTRACT

The adoption of new agricultural technology that could lead to a significant increase in agricultural production and productivity can be realized when yield increasing technologies are widely used and diffused. This study aimed at identifying the determinants of agricultural technology adoption decision and examining the effects of adoption on farm income. Multi-stage sampling technique was used to collect primary data from 200 cocoa farmers. Data collected were analyzed using descriptive statistics, Probit and Ordinary Least Square (OLS) regression models. The study revealed that adopters of the improved technologies are more educated, had larger hectares of farm-land and cultivated more land than the non-adopters. Most of the non-adopters were older with larger household size. The probit model identifies the determinants of improved technology adoption to include age, household size, education, membership of farmers' association, farm size influenced adoption decisions of improved technologies. The regression result also revealed that agricultural technology adoption had a positive and significant effect on the income of adopters by increasing their farm income.



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