

## **Factors Influencing Adoption of Climate-Smart Agricultural Practices among Maize Farmers in Ondo State, Nigeria**

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**Abstract :** The study examined the factors influencing the adoption of climate-smart agricultural practices among maize farmers in Ondo State, Nigeria. A Multi-stage sampling procedure was used to randomly select one hundred respondents for the study. Primary data were collected from the respondents with the aid of a structured questionnaire and analysed using descriptive statistics and a probit regression model. The results of this study showed that crop diversification was the most adopted climate-smart agricultural practice by the respondents, and adoption of Climate Smart Agricultural practices is still very low among the respondents. Results of probit regression revealed that marital status, access to extension services, farming experience, membership of farmers' association, and access to credit had a positive influence on the adoption of climate-smart agricultural practices, while age, farm size, and total income had a negative influence. Based on the findings of the study, it was recommended that government should develop suitable policies that will encourage farmers, especially rural farmers, to adopt and utilize Climate Smart Agricultural Practices (CSAP). Equally, the study also recommended government should be geared towards supporting improved extension services, providing on-farm demonstration training, disseminating information about climate-smart agricultural practices, and providing credit facilities through the Agricultural Credit Guarantee Scheme Fund and bank credit to farmers in order to enhance the adoption.

**Keywords :** adoption, agriculture, climate-smart, farmers, maize, Nigeria

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