**Socio-economic Determinants of Adoption of Agroforestry among Farmers in**

**Oyo State Nigeria**

**Oyewo, Isaac. O; Oladipupo-Alade, Esther. O and Owoloja, Anderson. O**

Forestry Research Institute of Nigeria. P.M.B 5087 Jericho Hill Ibadan Oyo State Nigeria

ojerry2@gmail.com, oyewo.io@frin.gov.ng. +2348035751159

**Abstract**

The study examine the socio-economic determinants of adoption of agroforestry practices among farmers in Akinyele Local Government area of Oyo State. A well structured questionnaire was used to collect data from 90 respondents from five villages which are: Ijaye, Ajibade, Akinyele, Olorisaoko, and Iroko. The data was analyzed using frequency table, percentage, mean, likert and inferential statistics. The result revealed that 80% of the respondents were males, 29.9% were between the ages of 41-50 years with mean age of 50 years, 8% had no formal education, while 92% of them had one form of formal education with majority (37.8%) had secondary education, 67.8% married, and 46.7% of the farmers had between 1-5 household size with mean of 6.4 persons, all (100%) of the farmers adopted more than one type of agroforestry practice with majority (73.3%) practised multipurpose tree on crop land and the least adopted (6.7%) was apiculture with trees. Agroforestry has helped majority (60%) of the farmers with an improvement in the standard of living and 86.7% confirmed that the benefit derived from agroforestry is used for sustainable means of livelihood. The inferential statistics revealed that farmers age (β=0.430, p<0.01), educational status (β=2.832, p<0.01), household size (β=0.463, p<0.05), farm size (β=0.385, p<0.01) and source of land (β=4.920, p<0.01) were the major socio-economic determinants of adoption of agroforestry by the farmers. Transportation (48.9%) was the major pronounced constraints to agroforestry and 46.7% confirmed that the constraints lead to deterioration in harvested produce. It is however recommended, that agroforestry should be encouraged among farmers, also better means of transportation (road network) linking the rural area be provided in the study area.

***Keywords***: Socio economics, Determinants, Adoption, Agroforestry, Inferential, Oyo State