

Factors Affecting the Adoption of Yam Storage Technologies in the Northern Ecological Zone of Edo State, Nigeria

D. U. Okoedo-Okojie and E.A. Onemolease

Department of Agricultural Economics & Extension, Faculty of Agriculture, Ambrose Alli University, PMB 14, Ekpoma, Edo State, Nigeria

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ABSTRACT The study examined the factors affecting the adoption of modern yam storage technologies by farmers in the northern ecological zone of Edo State, Nigeria. Data were collected from 127 respondents and analysed with frequency tables and logistic regression. Data analysis reveals yam barn to be the major traditional storage method used by farmers (100%). Their adoption of improved yam storage technologies was low with shelving being the most widely adopted (28.3%). Logistic regression analysis indicates that age (odd ratio = 0.67), farm size (3.68), farming experience (1.25) and contact with extension agents (1.79) had significant ($p < 0.05$) influence on farmers' adoption of improved yam storage technology. Major constraints limiting the farmers' adoption of these technologies were ignorance of technology existence (100%), non-availability (46.5%) and high cost (34.6%) of some of the storage technologies. Farmers should be provided with information regarding improved storage methods as well as exposed to training on their use.