

Investigation of Factors Influencing the Technical Efficiencies of Swine Farmers in Nigeria

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KEYWORDS Technical Inefficiency. Swine. Nigeria. Stochastic Frontier. Production Efficiency

ABSTRACT This study presents analyses of cross-sectional data on Swine production in Oyo State of Nigeria. Given the specifications of a Cobb Douglas Stochastic frontier production function, in which the technical inefficiency effects are specified to be functions of three explanatory variables, the inefficiency effects of the swine farmers were significant. The estimated technical efficiencies of the sample farmers varied widely ranging from about 51 percent to 95 percent with mean value of about 82 percent. The results indicate decreasing return to scale technology among the swine farmers.