

Research paper

MEASUREMENT OF PIG PRODUCTION PROFITABILITY IN ZANGON KATAF AND JEMA'A LOCAL GOVERNMENT AREAS OF KADUNA STATE, NIGERIA

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Abstract

The study used structured questionnaire administered to 120 swine producers which were randomly selected from Jema'a and ZangonKataf Local Government Areas of Kaduna State, Nigeria, for the purpose of studying their socio economic characteristics and profitability. Descriptive statistics, multiple regression, Z-test of significance and net farm income were used to analyse the data. The study revealed that swine production in the study area was influenced by some selected socio economic characteristics: production experience, household size, herd size and level of education were significant at 5percent probability level. The averages of total variable and fixed costs contributed to 96.7 percent and 3.3 percent respectively to total cost of production. Costs of feed, purchase of piglets and family labour constitutes the major variable cost items (81.96 percent of the total cost of production). Net farm income revealed a profit level of 38 percent, implying a return per naira invested of 38 kobo. Z-test also revealed a significant difference between farmers' costs and returns at 5 percent probability level.

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Comment [a2]: Do you check the normality of data. Which software you have used for data analysis. Also you have to check the coefficient of determination for the model you have apply.

Comment [a3]: Also include family income, to calculate below poverty line.

Comment [a4]: The cost

Comment [a5]: Also include sale

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Comment [a7]: What type of profit leve. Please mention.

Comment [a8]: Include Key words