



Research paper

Economic Evaluation of Broad Bean Production in Traditional Farms and Research Experiments at Aliab District in the River Nile State

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ABSTRACT

The main objective of these surveys was to estimate the broad bean yield variation between research and traditional farm in the River Nile State (RNS). The specific objectives were: to calculate and compare the coefficient index of the profitability between traditional farms and research experiments; to compare the economic efficiency of cultural practices in the sites; to suggest some plans and policies for improving the situation in the traditional farms; and to evaluate the financial challenges facing farmers. Data was collected using structured survey questionnaires with specific sample size put into consideration all variations among the traditional farmers. The paper used descriptive farm budget and cost benefit analysis. In addition to t-test analysis. The conclusion was that yield gap between research and the traditional farms reached to about 50% on favor of the research sites. However; local farmers still economically efficient in producing broad bean. The study has recommended that: the government of the RNS has to establish savings programs by encouraging farmers to participate with part of the expenses and to encouraging research and extension services; the cropping patterns has to be diversified with focusing on broad bean; and the yield variation could be bridged by applying appropriate Recommended Technical Package.

Keywords: Discrepancies, traditional, productivities, technical packages, broad bean