

Technical Efficiency Of Rice Farming And Its Determinants

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Technical Efficiency Of Rice Farming

An Analysis of Technical Efficiency of Rice Production in ...

based on the quantification of technical efficiency, this paper tries to analyse both factors of production as well as socio-economic characteristics, contributes to the efficiency of rice farming This paper is organized as follows Section 2 reviews the relevant literatures on efficiency studies in rice farming

Technical Efficiency of Rice Farmers in Northern Ghana

technical efficiency in the study area are education, extension contact, age and family size Providing farmers with both formal and informal education will be a useful investment and a good mechanism for improving efficiency in rice farming There is also need for training more qualified extension agents and motivating them to deliver

Technical efficiency improvement of rice farming in ...

affecting the technical efficiency of rice production systems These regression results provide information, which can help guide the formulation of effective policies aimed at improving efficiency of rice farming systems The following section gives the brief discussion on technical efficiency analysis and DEA approach

Technical efficiency differentials in rice production ...

TECHNICAL EFFICIENCY DIFFERENTIALS IN RICE PRODUCTION TECHNOLOGIES IN NIGERIA 1 1 1 Introduction T he Nigerian rice sector is special within the West Africa context First, rice is primarily a cash crop in Nigeria (produced primarily for the market)

Adoption of rice cultivation technologies and its effect ...

of rice cultivation practices (bund construction, harrowing, farrowing, drilling, plant spacing, fertilizer application and planting Jasmine 85 seed) on

60 adopter and 60 non-adopter rice farmers' technical efficiency in Sagnarigu District Technical efficiency is obtaining maximum rice output from a ...

Measuring the technical efficiency and determinants of ...

rice farming in these provinces and in Turkey overall, efficiency studies play an important role in determining alternative policies Moreover, the result of these analyses can be used for sustainable agricultural planning The main purpose of this study was to measure technical efficiency and investigate factors affecting

TECHNICAL EFFICIENCY OF THE RICE PRODUCTION ...

estimating the technical and scale efficiency of the rice farming, and the SFA for measuring the parameters of the productive frontier and for testing the hypotheses as well Using the DEA and SFA

ANALYSIS OF TECHNICAL EFFICIENCY AND ITS ...

The determinants of technical efficiency in the study area were household size, farming experience, level of education, labour, farm size and non farm income in paddy rice production It was

AN ANALYSIS OF THE TECHNICAL AND ALLOCATIVE ...

An Analysis of the Technical and Allocative Efficiency of Paddy Farming 39 study, overall or economic efficiency is the product of technical and allocative efficiencies This explanation is formulated in the form of the following equations $P = QP$ Technical Inefficiency $TIE = 0$ () (01) $P = QP$ Technical Efficiency $TE = 0$ () 1 (02) $Q = RQ$

Productivity and Efficiency Measurement in Agriculture

Productivity and Efficiency Measurement in Agriculture Literature Review and Gaps Analysis 3 - Measuring and explaining technical efficiency of rice growers in Mali 57 5 Preface This literature review and gaps analysis is undertaken in the context of the Productivity and Efficiency Measurement, who reviewed intermediate

An Analysis on the Factors Affecting Rice Production ...

examine the impact of farm mechanization on Myanmar rice production efficiency For representation of efficiency and the determinants, this paper uses both the data envelopment analysis (DEA) and the stochastic frontier approach (SFA) with variable returns to scale on Myanmar rice production The efficiency of the rice

CONTRACT FARMING, AGRICULTURE PRODUCTIVITY AND ...

contract farming can create opportunities for farmers to obtain the maximum output by improving the efficiency of certain resources Velde and Maertens (2014) research the influence of contract farming on rice production in Benin Their results indicate that rice productivity of contracted households is higher than that of independent

IMPROVING RICE PRODUCTION AND ...

2 Improving Rice Production and Commercialization in Cambodia that capture aspects of the investment climate and farm performance in the rice sector This study provides some answers to these questions by undertaking statistical and econometric analysis on data from a farm investment climate assessment (ICA) conducted in Cambodia

Technical Efficiency of Agricultural Farms in Khulna ...

This paper uses the stochastic frontier approach to measure technical efficiency level of the agricultural farms of Khulna, Bangladesh It considers

three sub-sectors: rice cultivation, fish cultivation and livestock rearing About 76%, 81%, and 73% variations in output are due to technical inefficiency for the farms of the three sub-sectors,

Assessing Economic and Environmental Efficiency of Rice ...

production systems and to assess the technical efficiency, economic efficiency, and environmental efficiency of rice production systems, then to investigate factors affecting the technical, economic and environmental efficiency of rice production systems in southern

Measuring Technical International Journal of Efficiency in ...

mating efficiency in swine production in Hawaii, by Wadud and White (2000) for analysing efficiency in agricultural productivity in Bangladesh, by Wadud (2003) for measuring technical, allocative and economic efficiency of rice firms in Bangladesh, by Shafiq and ...

Measuring Technical Efficiency of Wheat Farmers in Egypt

Aly and Hassan (1994), using time-series data for 1950-90, estimate overall technical efficiency at 46 percent due mostly to operating at a non-optimal scale and less so from a pure-waste of resources In this paper the focus is on measuring the level of technical efficiency in Egyptian wheat farming using wheat producer survey data The Wheat

Impact of Land Ownership on Productivity and Efficiency of ...

driving factor for technical efficiency of rice production Khai and Yabe (2011) studied the technical efficiency analysis of rice production in Vietnam and found that irrigation, education, and labor force have positive and significant impact to the technical efficiency

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Technical Report People are demanding a rich and varied diet along with global economic development, and agriculture is also changing greatly In global farming, which is said to have four times the production volume of rice crops, future-oriented agriculture is already being developed in economically advanced countries The advanced

The Effect of the National Input Voucher Scheme on the ...

The Effect of the National Input Voucher Scheme on the Technical Efficiency of Rural Farmers in Tanzania Matthew Knowles and knowledge about farming should decrease a household's technical inefficiency This idea is tested in Revilla-Molina et al (2008), where the authors estimate the source of technical efficiency in rice farmers in