

## Technical Efficiency Of Rice Farming And Its Determinants

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rice farmers achieved a technical efficiency level of 93% on average. Quantities of rice seeds planted, and fertilizer applied had statistically significant ( $P < 0.01$ ) and positive influences on rice productivity. Farm size had positive, significant influence on productivity of rice farmers at 5% level of probability.

### TECHNICAL EFFICIENCY OF RICE FARMERS UNDER

of the farmers was 48 years, and rice farming was dominated by male farmers (64.17%). The mean technical efficiency score was 0.93. Rice production in the area was profitable with gross margin, net production income and return per naira invested of N18,551,200, N16,939,669.9 and 0.71 respectively.

### Technical Efficiency and Profitability of Rice Production ...

Technical efficiency shows the lowest efficiency value due to the use of factors of production exceeding the recommended regional dosage. Socio-economic factors that significantly affected the technical inefficiency of the low land rice farming are education, family size and extension.

### Efficiency of Rice Farming in the Corporate Farming Model ...

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### Technical Efficiency Of Rice Farming And Its Determinants ...

The results from the stochastic frontier analysis reported that the overall mean technical efficiency of rice farming is 77% which implies that, on average, farm households have the potential to...

### (PDF) Technical Efficiency of Rice Farming in the ...

Result shows that fuel, fertilizer, land rent, planting season, and land area are the factors that affect both production and technical efficiency of rice production. We found mean technical efficiency score of 0.54.

### Determinants of Rice Productivity and Technical Efficiency ...

The study aims to empirically investigate the technical efficiency of rice farming in the Mekong Delta of Vietnam. Observational data were obtained from the in-depth interviews with 352 rice farm ...

### Technical Efficiency of Rice Farming in the Vietnamese ...

The overall technical efficiency of all farms under irrigated system was recorded at 0.82 and 0.80 during dry and wet season respectively. Technical efficiency index found out to be higher during dry season as compared on wet season. Significant difference in the yield level was obtained between the two farming systems.

### PRODUCTIVITY AND TECHNICAL EFFICIENCY OF RICE FARMERS IN ...

One can also study the technical efficiency of Filipino rice farmers by farm ownership ...

### Impact of land ownership on productivity and efficiency of ...

There are few studies regarding the technical efficiency of rice production in Central Vietnam. We found an 81% TE level for this delta region. This value is comparable to other estimations for fertile deltas such as the MRD and RRD.

### Technical efficiency of rice production in the delta of ...

The average technical efficiency of the rice growing farmers in the study area was estimated 92%; in addition, majority of the farmers (62%) were operating at an efficiency level of 0.91- 0.95 followed by 32% at 0.86- 0.90.

### Technical Efficiency of Rice Production in Terai District ...

This study aims to determine whether there is a significant difference in productivity between organic and inorganic rice farming, whether there is a significant difference in technical efficiency between organic and inorganic rice farming, and whether fertilizer costs, labor costs, arable land area, and the length of the use of System of Rice Intensification (SRI) have a significant effect on ...

### Increased productivity and technical efficiency of rice ...

**ABSTRACT** ' This research was designed to assess the Profitability and Technical Efficiency Analysis of Rice Production in Esan Central and North East Local Government Areas of Edo State with a specific objective of examine the socio-economic characteristics of the farmers, determine the profitability of rice in the stud area.

### ~~Profitability And Technical Efficiency Analysis Of Rice ...~~

This study employed the propensity score matching approach to empirically assess the effects of climate smart agriculture participation and climate change adaptation response on the technical efficiency of rice production. Observational data were collected from in-depth interviews with 352 rice farm households in the Mekong Delta, Vietnam. The findings indicate that 71% of local farmers ...

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inputs and production factors, from the farm-level to sector or economy-wide scales. By doing this, the document also provides some insights on how to properly account for the farm outputs, the numerator of any productivity measure. Section 4 reviews how technical efficiency is defined and measured in the literature, at farm and aggregate levels.

### ~~Productivity and Efficiency Measurement in Agriculture~~

Results also indicate that technology adoption or use of improved production practices increase the technical efficiency of rice farmers. Based on the results it is recommended that policy makers and researchers develop district specific recommendations, and determine how the adoption of improved technology can be increased.

### ~~Efficiency of Rice Farming in Ghana: Policy Implications ...~~

In analyzing the data, farm specific technical efficiency scores are estimated using the Translog Stochastic Frontier Production function approach. The study found that technical efficiency of boro rice farms in Meherpur district is 89.5%.

### ~~Technical Efficiency of Boro Rice Production in Meherpur ...~~

increasing water- and nutrient-use efficiency in rice-based farming systems by at least 5% by 2022, rising to 11% by 2030, and helping reduce agriculture-related greenhouse gas emissions in rice-based farming systems by at least 28.4 megatons carbon dioxide (CO<sub>2</sub>) equivalent/year by 2022 and by a further 28.4 megatons CO<sub>2</sub>

### ~~RICE Full Proposal - CGSpace~~

ABEDULLAH: Analysis of Technical Efficiency of Rice Production 235 EMPIRICAL MODEL Technical Efficiency can be defined as the ability of a decision-making unit (e.g.a farm) to produce maximum output given a set of inputs and technology.

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