

三农问题研究

中国粮食主产区水稻生产技术效率分析

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2.

摘要:

摘要: 本文采用随机前沿生产函数法(SFA)对1998-2008年10年间(由于2001年的相关数据无法获得,故将其剔除)中国粮食主产区水稻生产的技术效率进行了测算分析。研究表明,主产区水稻生产的技术效率较高,整体上呈现上升趋势,且效率水平在主产区的分布逐渐趋于平衡,粮食生产在很大程度上受到自然灾害的影响。应改善农业生产条件,减少自然灾害损失;扩大主要粮食作物的播种面积;加强良种培育和示范推广,进一步提高科技转化效率。

关键词: 粮食主产区; 水稻生产; 技术效率; SFA; 中国

Analyzing the Technical Efficiency of Rice Production in China's main food producing area

Abstract:

Abstract: This research takes SFA measure methods to calculate and estimate the technical efficiencies about rice production for main grain producing districts from 1988 to 2008 (we get rid of the date of 2001 due to unavailability).The study shows that, in view of the overall situation, the technical efficiency of rice in main grain producing districts stay a certain upper level, and becomes balance at the district level. To large degree, There are natural disasters to impact producing technical efficiency in main grain producing area. Based on the whole analysis, this paper comes up to improve the conditions for agricultural production to reduce loss of natural disasters; expand the main food crop planting area; strengthen well-bred breeding and popularization, further improve the efficiency of conversion technology. so as to increase our nation's grain producing technical efficiency.

Keywords: main grain producing districts Rice production technical efficiency analysis SFA China

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