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中国近20年水利减灾投入对种植业产值的贡献

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Title: The contribution of water conservancy investment in disaster reduction to planting output value in the past 20 years in China

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摘要: 分析了水旱灾害及减灾措施对农业产值增长的影响,把水利减灾措施如水库、堤防、水保等因素加入了传统的影响因素。以1989-2005年期间的各省的数据为基础,运用经济计量法分析了各个因素对农村经济增长影响程度,重点分析了农业减灾措施对种植业产值的影响。结果表明,增加水利减灾措施的建设是农业增产增收、减少损失的根本因素,增加农业减灾投入,既有利于打好农业增长的硬件基础,又能使其他增长因素更好地综合发挥作用;水利减灾防灾投资要在各省(区)间及不同阶段上有所侧重和倾斜,这对全国农业水土资源的有效配置和农村水利建设的战略布局及其调整意义重大。

Abstract: This paper analyzes the influence of flood and drought disasters and the disaster-reducing measures on agricultural output values, adding the water conservancy disaster reducing measures, such as reservoirs, dikes and water and soil conservation, to traditional influencing factors like labors, fertilizers, agricultural machines, etc. Based on the data of each province during the years 1989-2005 and using the economic measurement method, this paper analyzes the influence of each factor on rural economic increase

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and focus mainly on the influence of agricultural disaster reduction measures on the planting output values. Results show that to increasing the investment in agricultural disaster reduction not only is beneficial to build hardware for agricultural growth, but also can make other growth factors perform comprehensively better. The investment in water conservancy disaster reduction should vary in stages and regions. It is of great significance to effectively allocate the agricultural land and water resources in the nation, and to rural water conservancy construction strategy layout and adjustment.

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