

研究报告

城市快速扩展区耕地资源安全评价研究——以北京市大兴区为例

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摘要:

随着经济的发展,耕地资源功能多元化,其中最重要也是最直接的功能是保证区域粮食安全和对区域农民的社会保障功能。以北京市大兴区为例,以耕地资源的生产功能和社会保障功能为基础,以耕地农作物产出为媒介,建立数学模型,计算区域最小耕地面积,并与区域实际耕地面积比较,得出耕地资源安全的状态值,对研究区和区域内各个乡、镇的耕地所处安全态势进行评价。区域耕地资源安全,要同时保证耕地资源最直接的生产功能和社会保障的安全。最小耕地面积和耕地资源安全状态值,可以衡量一个区域耕地资源安全的态势。从空间分布看,大兴区北部经济发达的乡镇不安全状态较为剧烈。区域农业应该及时调整农业结构以保障耕地资源安全。

关键词: 城市快速扩展区; 耕地资源; 安全; 大兴区

Studies on Security Assessment of Farmland Resources
in Swift-expanding Urban Cities: a Case Study
on Daxing District of Beijing

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Abstract:

Along with the economic development, functions of farmland resources have been diversified. The most important and direct function is to protect regional grain security and regional farmers' social security. Based on farmland resources' productive function and social security function, this article took Daxing District of Beijing as example, established a mathematical model according to the crop output of farmland in this district; calculated the least farmland area which was compared with actual regional farmland area; finally gain the status value of farmland resources security; and assessed the security situation of farmland resources in various towns within the Districts. To protect arable land resources of regional security, it is necessary to guarantee the most direct production functions and social security of arable land resources at the same time. The least farmland area and status value of farmland security could be used to

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estimate the security situation of regional farmland resources. In terms of spatial

distribution, the well developed towns in Northern Daxing District are at a higher level

of insecurity. Regional agricultural should timely adjust the agricultural structure so

as to protect the safety of arable land resources.

Keywords: swift-expanding urban city areas farmland resources security Daxing District

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