

Strategic Research Concerning China's Food Security

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Summary

This paper will firstly introduce the historic changes in China's food production, consumption and trade. It will analyze key factors constraining China's food supply. Additionally it will discuss how the development of fuel—i.e., alcohol— influences the supply of and demand for corn. The final results show that the production of China's food will be limited by the average presence of resources and incidence of natural disasters. Secondly, this paper will employ a partial equilibrium model to simulate the prospects for China's food supply-demand balance in the future. The final results demonstrate that the gap between supply and demand will reach 77,610,000 tons by 2020. It can be concluded that we must follow the basic principle of "mainly self-sufficient, with complementary imports", regulating the percentage of food self-sufficiency according to the conditions relating to the international food supply-demand balance. Only in this way can we ensure China's food security.