

Chinese Agribusiness: Structure, Linkage and Development - A Comparative Analysis Based on Input-Output Model

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Agribusiness is a complex comprehensive industry chain, which is playing a vital role in the Chinese national economy. The research will introduce the concept of agribusiness for the analysis of Chinese agriculture. Based on the input-output method which has been matured in the world, the research tries to establish Chinese Agribusiness I-O tables based on Chinese I-O tables from 1987 to 2002, which will become the platform to measure Chinese agribusiness and analyze its structure and linkages. At the same time, the study will compare total Chinese agribusiness outputs and the structure with that of US and Japan, on which the research can draw some conclusions and give some certain policy suggestion to speed the development of Chinese agribusiness.

According to calculating based on Chinese and American 2002 I-O table, Japanese 2000 I-O table, agriculture outputs account for 8.91 percent, 1.34 percent and 1.44 percent of all sector total outputs respectively; Agribusiness outputs account for 26 percent, 10 percent and 12 percent respectively. In Chinese agribusiness system, proportions of input sector, produce sector, processing sector and marketing service sector are 0.18 : 1 : 1.32 : 0.44, comparing with that of US 0.30 : 1 : 3.89 : 2.15 and Japan 0.15 : 1 : 4.38 : 2.49. As a result, China's agricultural processing and agricultural marketing are incomplete, which is the key to restrict Chinese agribusiness development. As to linkages, the influence coefficient of Chinese agribusiness is 1.0162, which means that Chinese agribusiness plays an obvious and important role for the development of the national economy.