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Special Issue: Closing Crop Yield and Efficiency Gaps for Food Security and Sustainable Agriculture

Section 1: Using modeling method to evaluate yield and efficiency gaps

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Section 2: The main factors determining yield and efficiency gaps

Section 3: Physiological mechanisms for closing yield and efficiency gaps

Section 4: Effective management strategies for closing yield and efficiency gaps

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COVER

The goal of this special issue of the *Journal of Integrative Agriculture* is to provide quantitative analyses for yield and efficiency gaps of major crops in main production regions in China. By using the modeling method and field experiments, researchers find determining factors and underlying mechanisms, and provide effective management strategies for closing these gaps. We hope these studies could provide a theoretical basis and technical support for coordinating the high yield and high resource use efficiency in crops in China and even all over the world. The cover image is a combination of crops and fields with different yield and efficiency levels. The photos were provided by the National Key Research and Development Program of China (2016YFD0300100).