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Research Interests

- Nutrients resources management
- Nutrients cycling
- Fertilization modelling

Publication

Estimating regional N application rates for rice in China based on target yield, indigenous N supply, and N loss, Environmental Pollution, 2020, DOI: 10.1016/j.envpol.2020.114408

Methodology of fertilizer recommendation based on yield response and agronomic efficiency for rice in China, Field Crops Research, 2017, DOI: 10.1016/j.fcr.2017.02.011

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Narrowing yield gaps and increasing nutrient use efficiencies using the Nutrient Expert system for maize in Northeast China, Field Crops Research, 2016, DOI: 10.1016/j.fcr.2016.05.005

Quantification of yield gap and nutrient use efficiency of irrigated rice in China, Field Crops Research, 2016, DOI: 10.1016/j.fcr.2015.11.011



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Spatial variation of yield response and fertilizer requirements on regional scale for irrigated rice in China, Scientific Report, 2019, DOI: 10.1038/s41598-019-40367-2

Distribution of wheat yield and chemical fertilizer requirements on a regional scale in China, Journal of Integrative Agriculture, 2021, DOI: 10.1016/S2095-3119(20)63338-X

Fertilizer recommendation based on yield response and agronomic efficiency (CN), Beijing/China Science Publishing & Media Ltd, 2018, ISBN: 978-7-03-054994-5

Principle and application of fertilizer nutrient recommendation, Beijing/China agriculture press & Media Ltd, 2021, ISBN: 978-7-03-067983-3

Simple and efficient fertilization technology for main grain crops, Beijing/China agriculture press, 2017, ISBN: 978-7-109-23294-5