

# Boron in rice

## Study details

Date: 2018 - 2019

Location: Cuu Long Delta Rice Research Institute, Mekong Delta, Vietnam

Crop variety: OM5451

Soil: pH of 5.25 and boron content of 0.39 mg kg<sup>-1</sup>

Fertilizers: The treatments consisted on different boron rates (0, 0.9, 1.3, and 1.5 kg B ha<sup>-1</sup>) using *Granubor*® as the boron source. Treatments were applied 7 days after rice transplanting.

Trial design: Randomized complete block with four repetitions

## Results

For both years, the application of 10 kg *Granubor* ha<sup>-1</sup> (1.5 kg B ha<sup>-1</sup>) gave the highest rice grain yield compared to the control. In 2018, the control (no boron applied) yielded 3.9 Mg ha<sup>-1</sup> while the application of 10 kg *Granubor* ha<sup>-1</sup> yielded 4.3 Mg ha<sup>-1</sup>. In 2019, the control yielded 6.1 Mg ha<sup>-1</sup> while the application of 10 kg *Granubor* ha<sup>-1</sup> yielded 6.7 Mg ha<sup>-1</sup>.

The lower yield level in 2018 happened due to excessive rain. These results show an average yield increase of 10% by applying 1.5 kg B ha<sup>-1</sup>.

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