Boron in soy (Maracaju, Mato Grosso do Sul, Brazil)

Study details

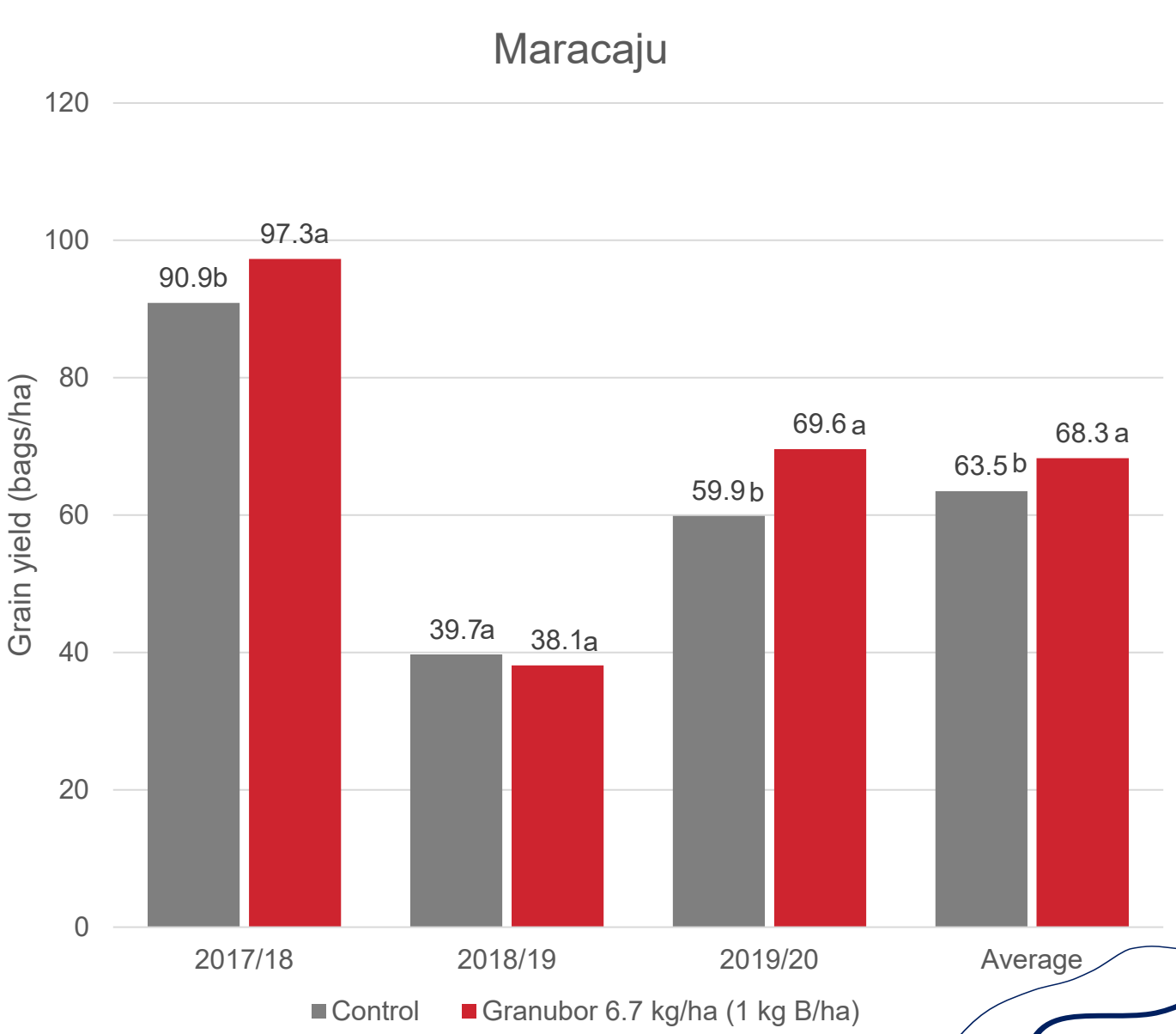
Research institution: Fundação MS
Researcher: Douglas Gitti
Date: Oct 2017 – Feb 2018; Oct 2018 – Feb 2019; Oct 2019 – Feb 2020
Location: Maracaju, Mato Grosso do Sul, Brazil
Crop variety: M 6410 IPRO
Soil:

- pH: 5.4
- Type: Dystropheric Red Latosol with clay texture
- Texture: 57.1% clay
- Boron content: 0.1 mg/dm³

Fertilizer: *Granubor*®
Trial design: Randomized complete block design with 5 reps. The treatments were applied to the soil in October of each agricultural year.

Results

Granubor resulted in the highest grain yield, with an advantage of 6.4 and 9.7 bags/ha, in the year 2017/18 and 2019/2020, respectively, over control, at a boron rate of 1.0 kg B/ha. In 2018/19, there was a severe drought compromising productivity in all treatments.



Yield followed by different letters in the same season, differ by Tukey's test at 5% probability

Boron in soy (Naviraí, Mato Grosso do Sul, Brazil)

Study details

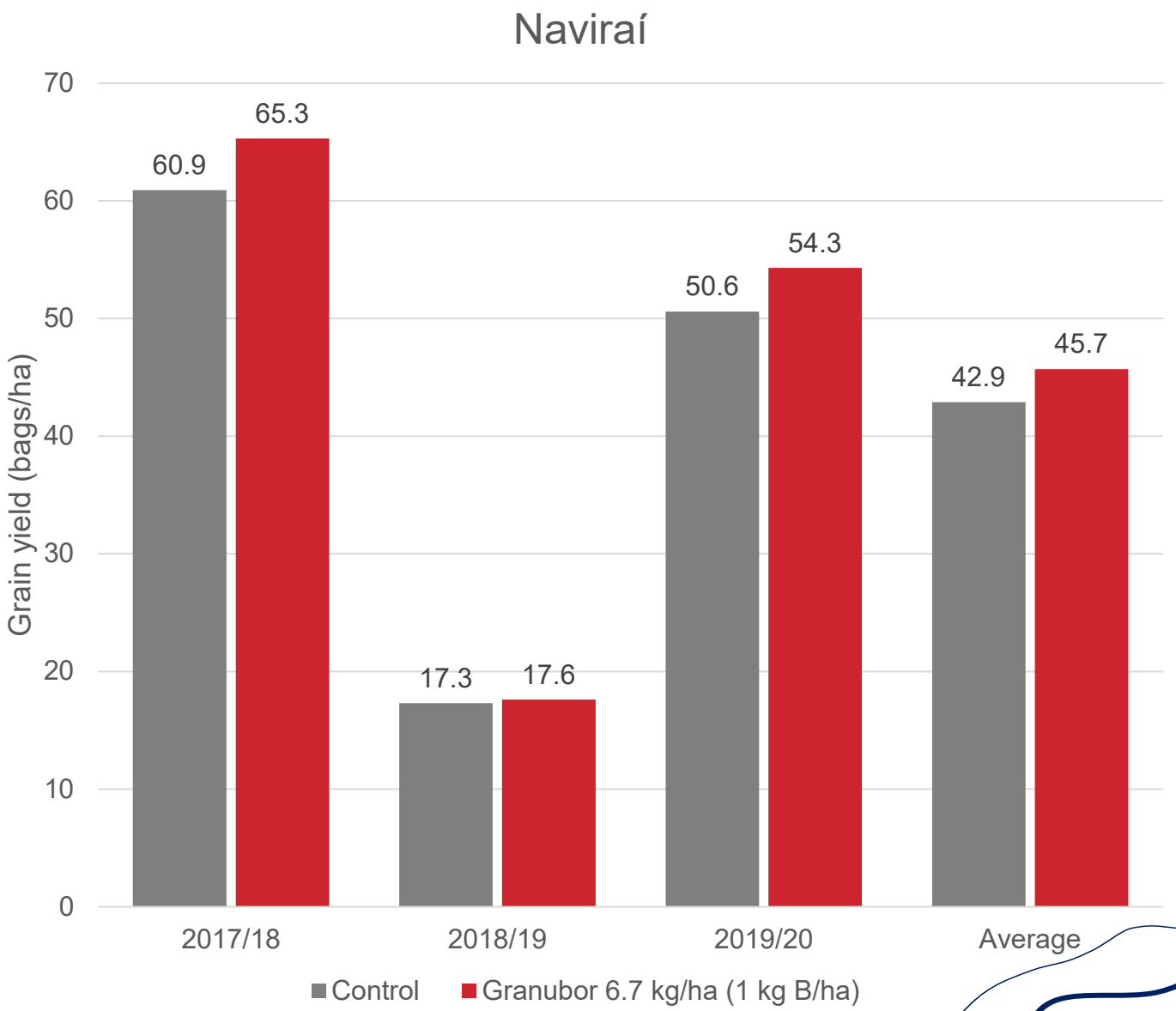
Research institution: Fundação MS
Researcher: Douglas Gitti
Date: Oct 2017 – Feb 2018; Oct 2018 – Feb 2019; Oct 2019 – Feb 2020
Location: Naviraí, Mato Grosso do Sul, Brazil
Crop variety: M 6410 IPRO
Soil:

- pH: 5.7
- Type: Dystropheric Red Latosol with sandy texture
- Boron content: 0.1 mg/dm³

Fertilizer: *Granubor*®
Trial design: Randomized complete block design with 5 reps. The treatments were applied to the soil in October of each agricultural year.

Results

Granubor resulted in the highest grain yield, with an advantage of 4.4 and 3.7 bags/ha, in the year 2017/18 and 2019/2020, respectively, over control, at a boron rate of 1.0 kg B/ha. In 2018/19, there was a severe drought compromising productivity in all treatments.



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