

Boron in barley



Study details

Research institution: Agraria Foundation for Agricultural Research (FAPA)

Date: 2020-2021 growing season

Location: Candoí, PR, Brazil

Soil: Aluminic Oxisol; pH (CaCl₂) = 5.07

Fertilizers: Crop B: *Granubor*® and ulexite before planting barley (0, 0.43, 0.75, and 1.5 kg B/ha⁻¹)

System B: *Granubor* and ulexite (0, 0.86, 1.5, and 3.0 kg B/ha⁻¹) before planting barley (50%), and before planting soybean (50%), in successive barley-soybean rotation with no-tillage practice.

Granubor and ulexite were blended with NPK fertilizer before planting.

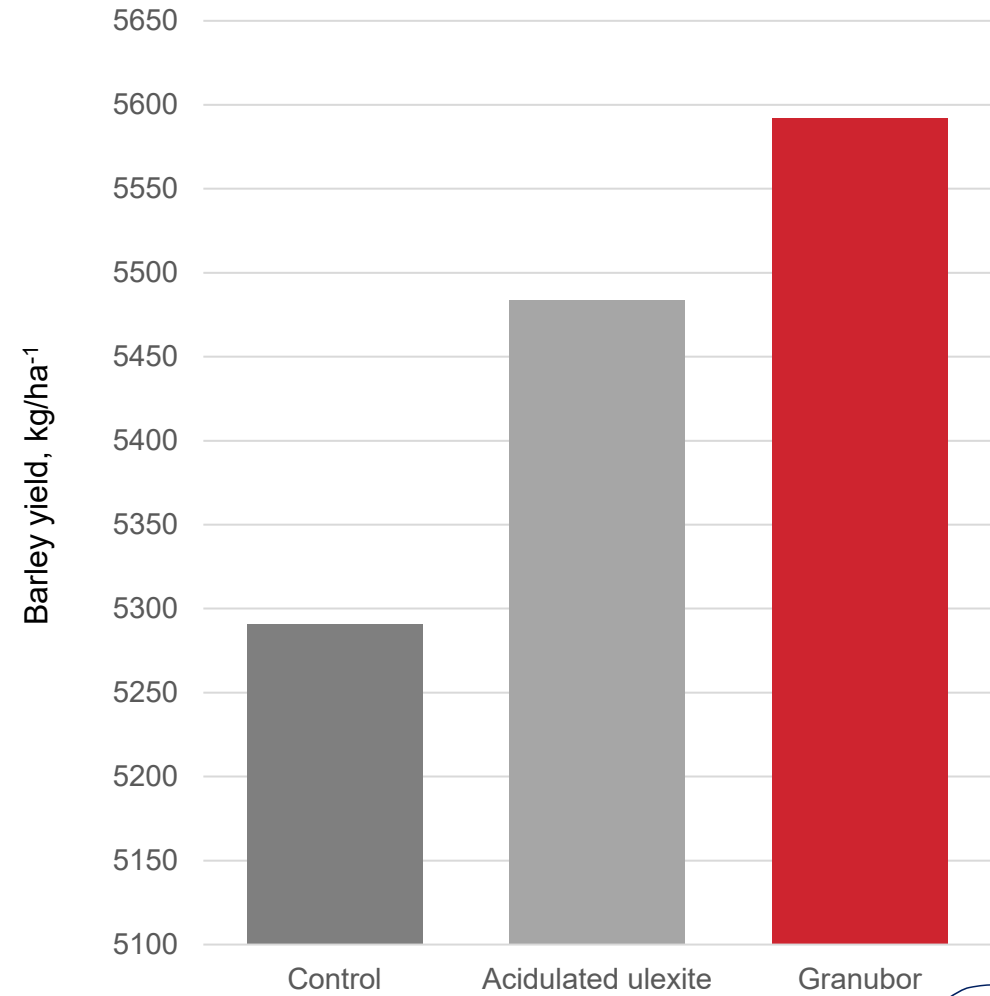
Crop variety: Daniele

Trial design: Randomized complete block with three repetitions

Results

Application of 3 kg *Granubor*/ha⁻¹ (system B fertilization | 50% of the dose before planting barley + 50% of the dose before planting soybeans), gave the highest barley grain yield compared to the control and acidulated ulexite source.





Source: Fontoura, et al. 2022.

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