

Boron in Corn

Study Details

Research institution: Physioatac Consultoria Agrícola

Researcher: Gabriel Schaich

Date: September 2019 – February 2020

Location: Cruz Alta, Rio Grande do Sul, Brazil

Crop variety: hybrid AG 9025 Pro3

Soil: pH 5.9

Soil type: red latosol

Soil texture: 38% clay

Soil B content: 0.5 mg/dm³

Fertilizers: *Granubor*[®], ulexite, and KCl compacted + boron (0.5% B + 58% K₂O)

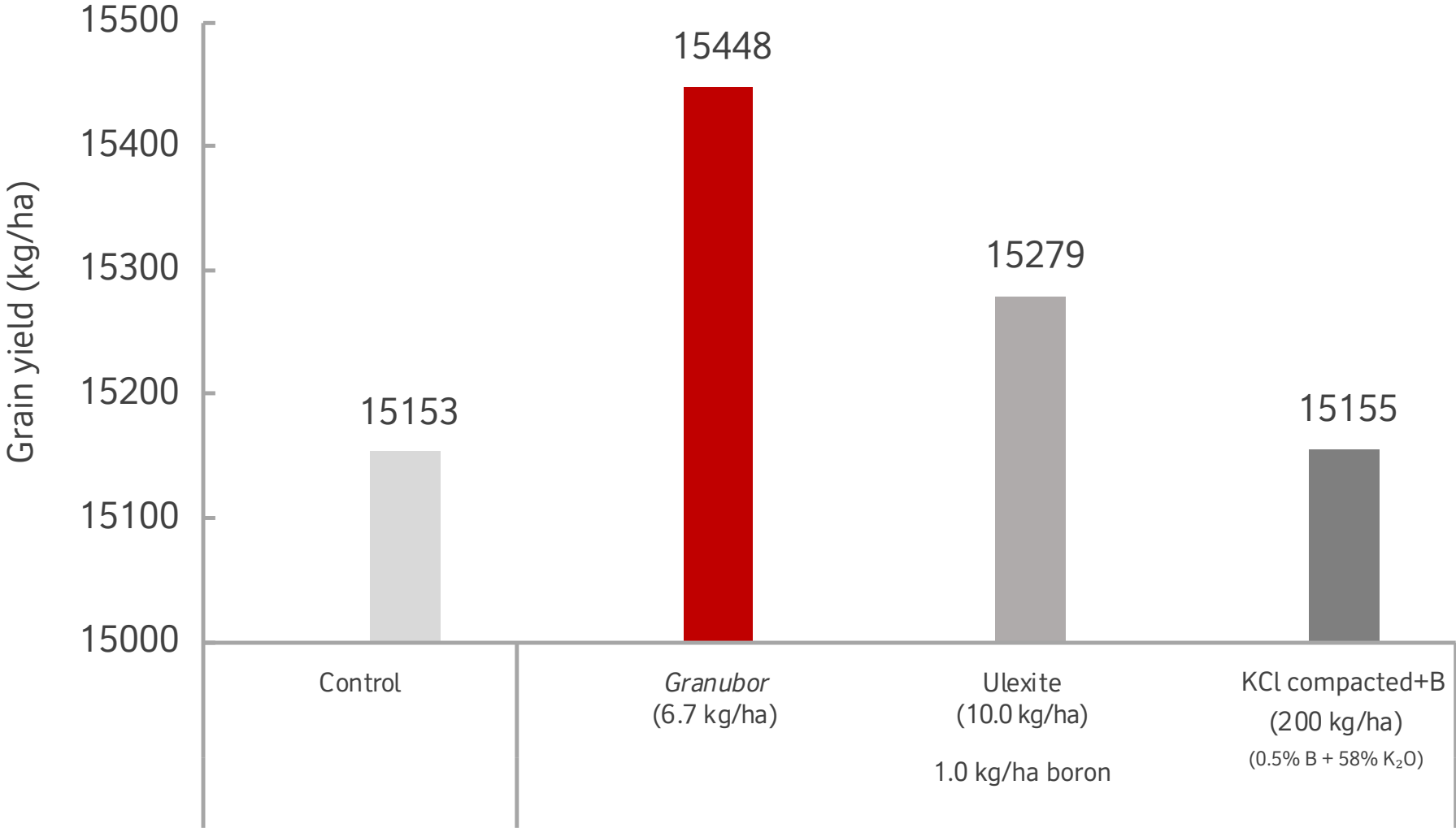
Trial design: Randomized complete block design with 4 reps. Treatments were soil applied in Sep 2019.

Results

At a boron rate of 1 kg/ha, *Granubor* resulted in the highest grain yield, with advantage of 295 kg/ha over the control. Also *Granubor* resulted in the highest grain yield, with a yield advantage of 169 and 293 kg/ha over the ulexite and KCl compacted + boron treatments, respectively.



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(+ 116 kg/ha KCl)