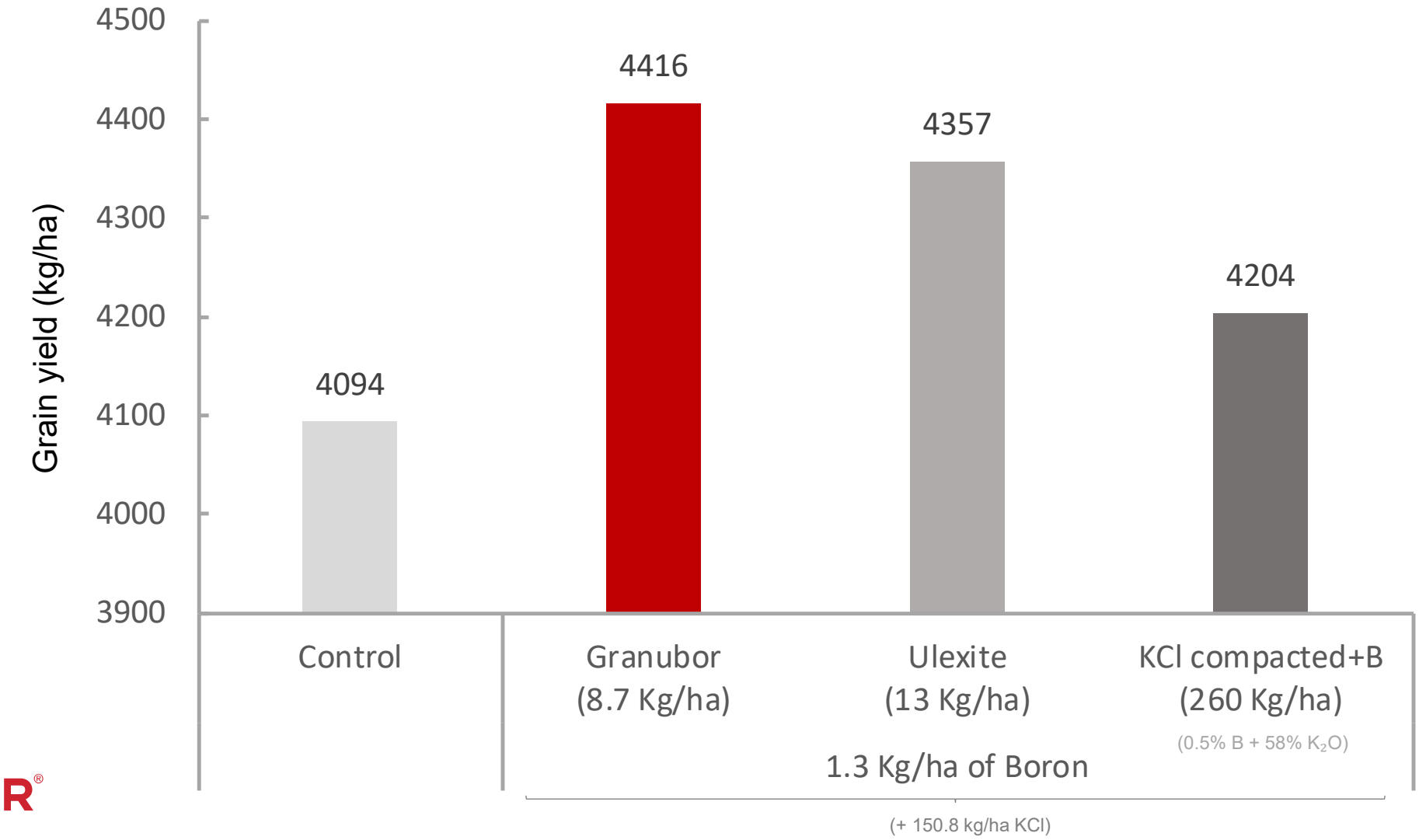
Boron in soy

Study details

Research institution: Physioatac Consultoria Agrícola
Researcher: Gabriel Schaich
Date: November 2019 – March 2020
Location: Cruz Alta, Rio Grande do Sul, Brazil
Crop variety: BMX Zeus IPRO
Soil: pH 5.6
Soil type: Red latosol
Soil texture: 38% clay
Soil B content: 0.2 mg/dm³
Fertilizers: *Granubor*® , ulexite, and KCl compacted + boron (0.5% B + 58% K_2O)
Trial design: Randomized complete block design with 4 reps. Treatments were soil applied in Nov 2019.

Boron in soy: Trial one

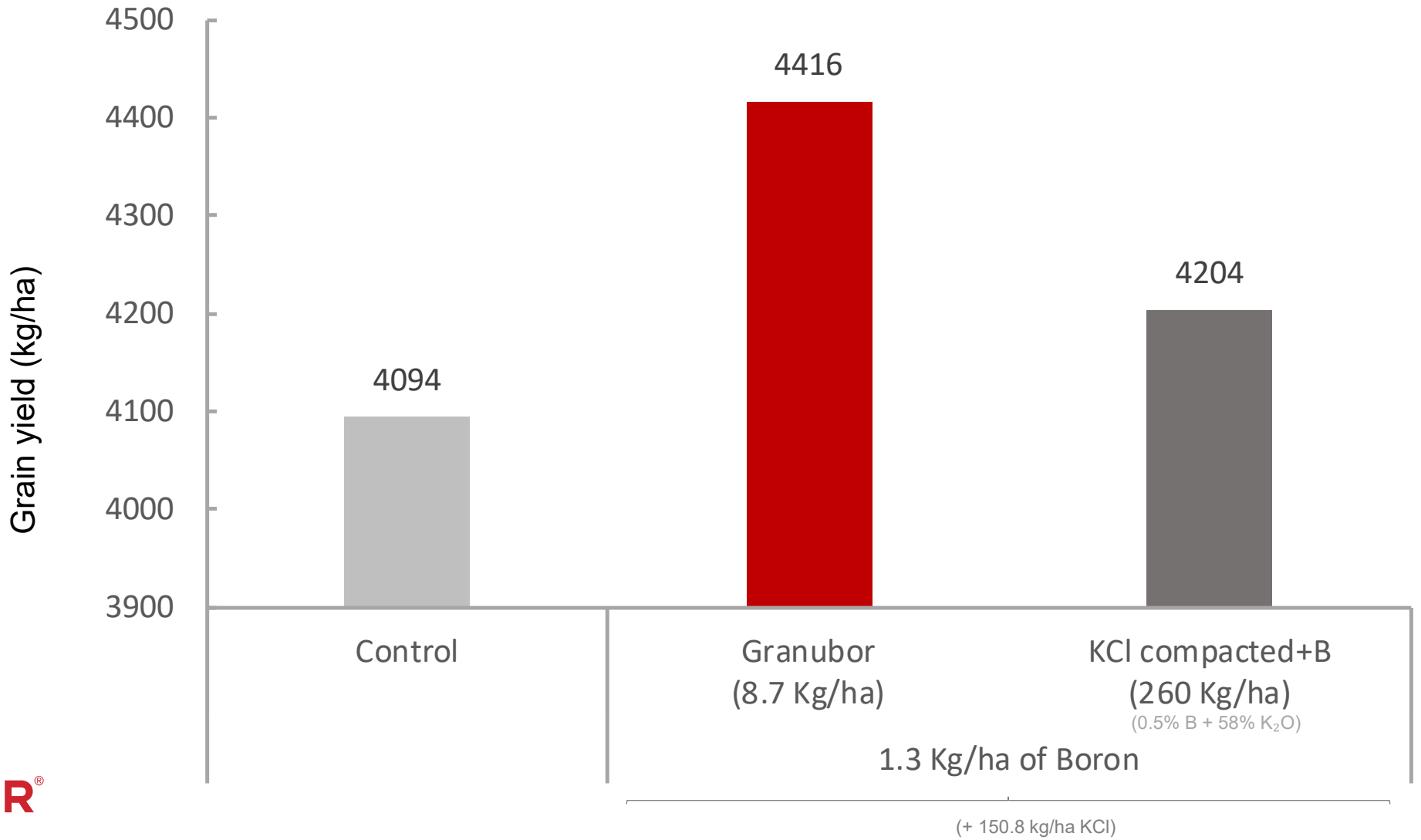


Trial one results

20 MULE TEAM BORAX™

At a boron rate of 1.3 kg/ha, *Granubor* resulted in the highest grain yield, with advantage of 322 kg/ha over the control. Also, *Granubor* resulted in the highest grain yield, with a yield advantage of 59 and 212 kg/ha over the ulexite and KCl compacted + boron treatments, respectively.

Boron in soy: Trial two



Trial two results

All treatments with *Granubor* resulted in the highest grain yield compared to the control. At a boron rate of 1; 1.3; 2; 3 and 4 kg/ha, *Granubor* resulted in the highest grain yield, with advantage of 219; 322; 339; 616 and 786 kg/ha, respectively, over the control.