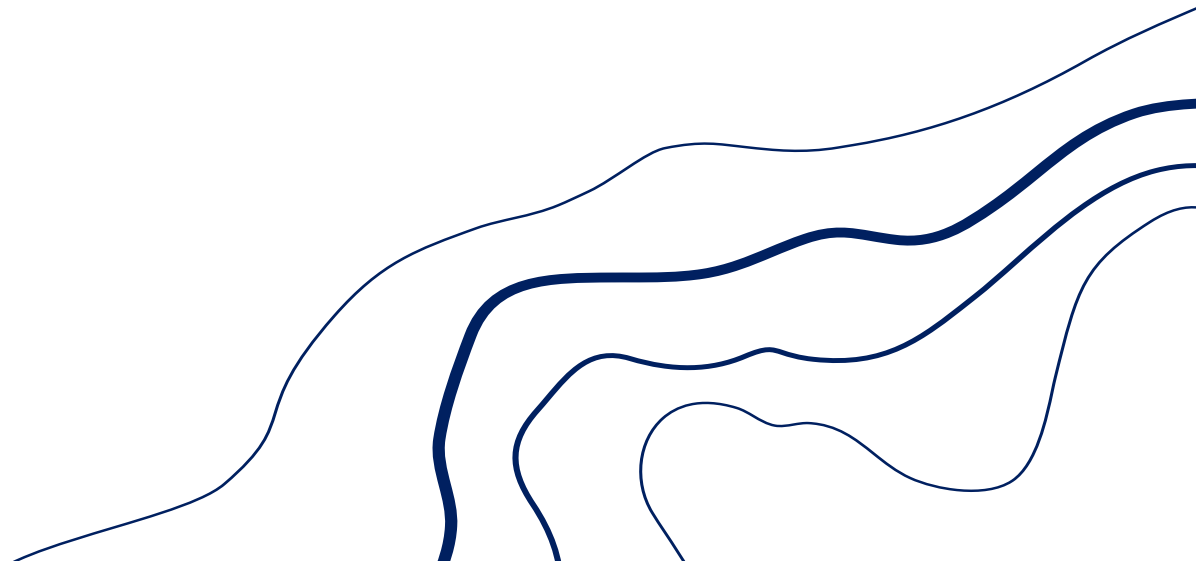
Boron in corn: Paraná, Brazil

Study details

Research institution: Fundação ABC
Researcher: Gabriel Barth
Date: 2014 - 2016
Location: Arapoti, Paraná, Brazil
Crop variety: P 30F53H



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Specific details

Soil: pH 5.2
Fertilizer: *Solubor*® Flow
Trial design: Randomized complete block design with 4 reps. Treatments foliar-applied at V4/V5 and V8/V9.

Results

The foliar application of *Solubor* Flow tended to increase corn grain yield compared to the control. At a rate of 1.5 kg B/ha, the yield increase was 210 kg/ha.

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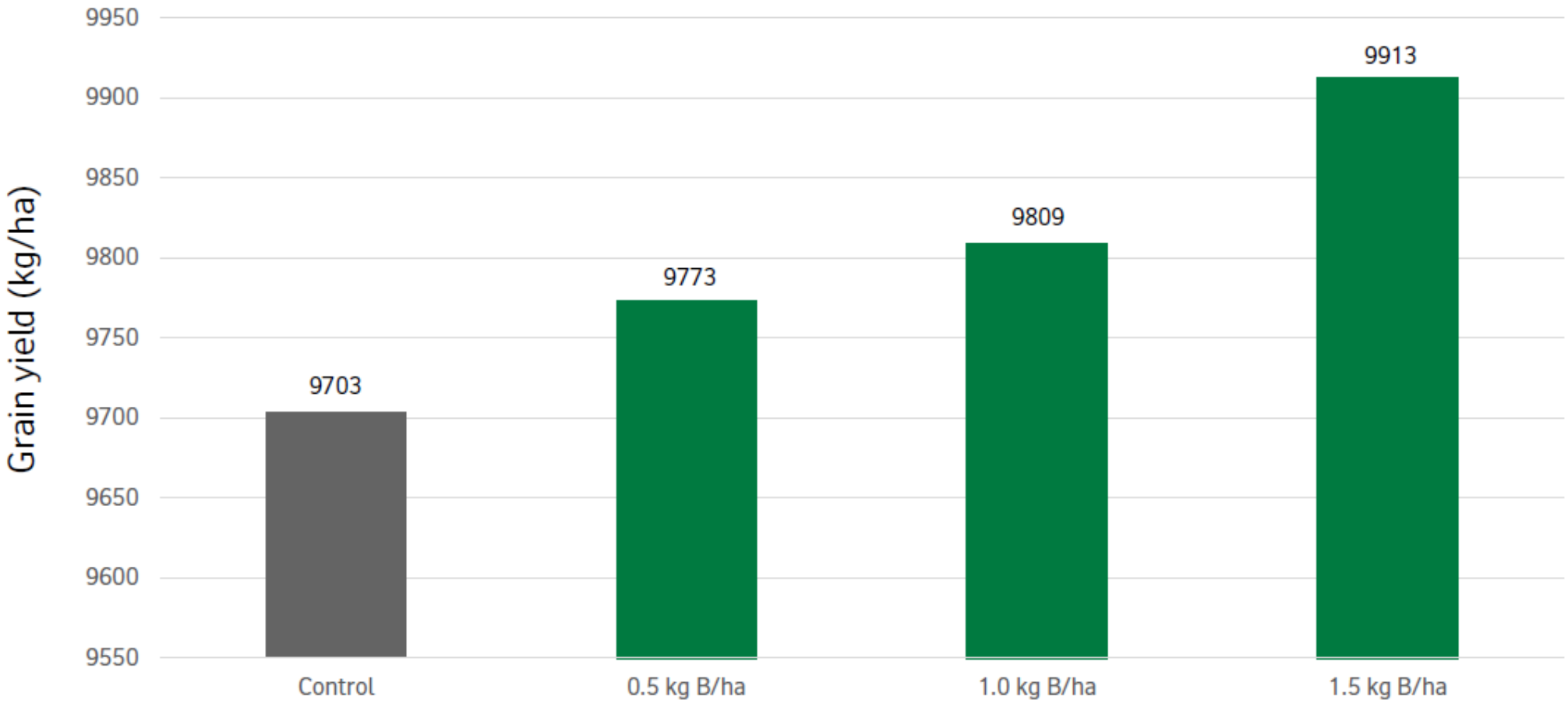

Boron in corn: Paraná, Brazil

Specific details

Soil: pH 4.7
Fertilizer: Boric acid and *Solubor*®
Trial design: Randomized complete block design with 4 reps. Treatments foliar-applied at V4.

Results

The study was conducted for only one year. The foliar application of boron tended to increase corn grain yield at all rates. *Solubor* showed a better performance than boric acid at all rates even though not statistically different.

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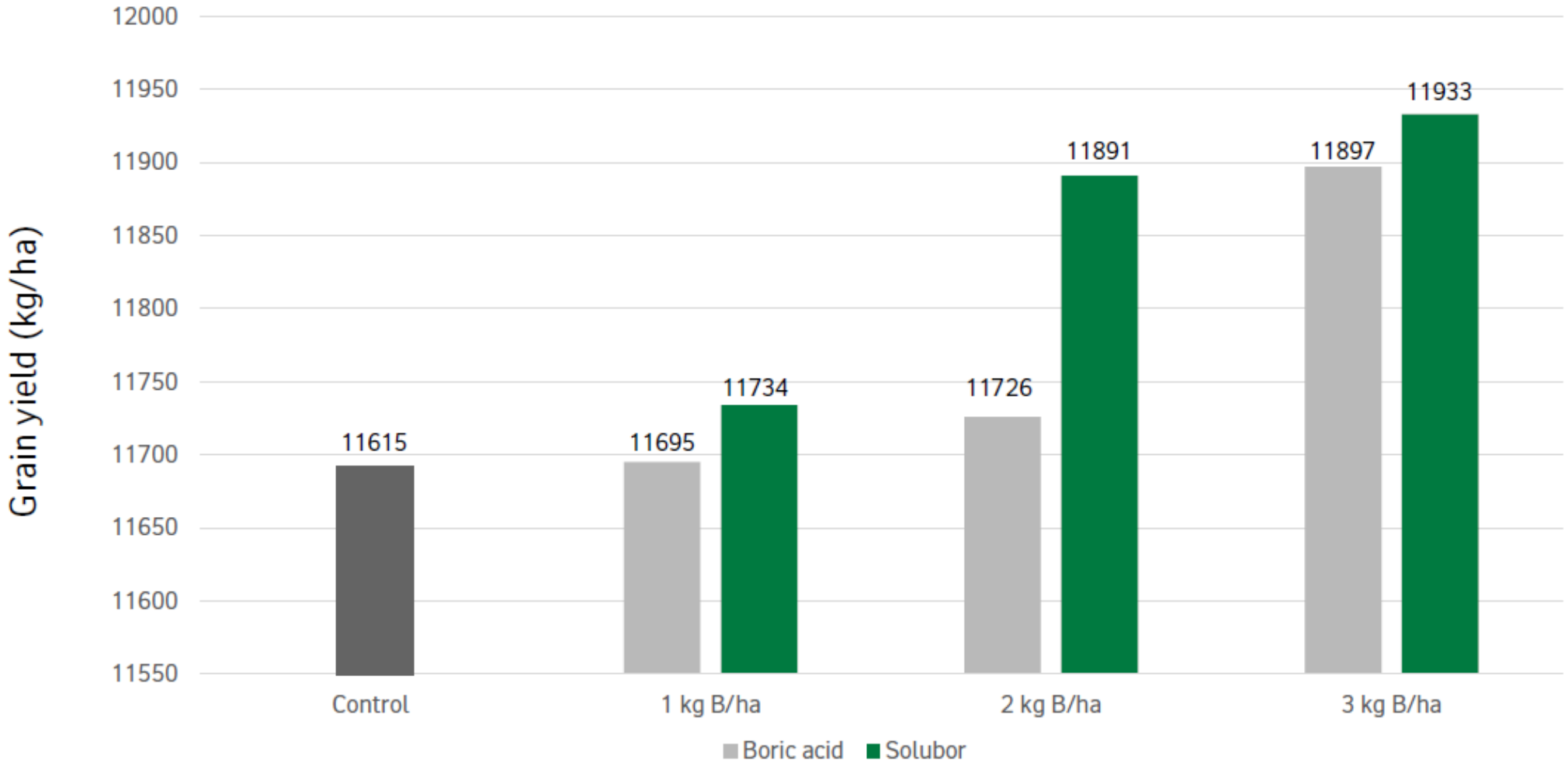

Boron in corn: Paraná, Brazil

Specific details

Soil: pH 5.2
Fertilizer: *Granubor*® and ulexite
Trial design: Randomized complete block design with 4 reps. Treatments soil-applied at planting.

Results

The study was conducted for only one year. The addition of boron had a minimum impact on corn grain yield. *Granubor* showed a slightly better performance than ulexite at all boron rates even though it was not statistically different.

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