Boron in Soy

Study Details

Research institution: Mississippi State University
Date: 2022
Location: Research and Extension Center, Mississippi
Soil: Sharkey clay; pH ($CaCl_2$): 8.12; 1.0 ppm of B
Fertilizers: *Granubor*®
Crop variety: AG43X0
Trial design: Randomized complete block with four repetitions. Treatments consisted of different B rates and sources. Pre-plant soil sample 0-6” depth composited by rep fresh root weights of six plants per plot at v4 growth state

Results

The treatment with *Granubor* (1 lb/acre of B) produced 10.3% more compared to the control (without B).

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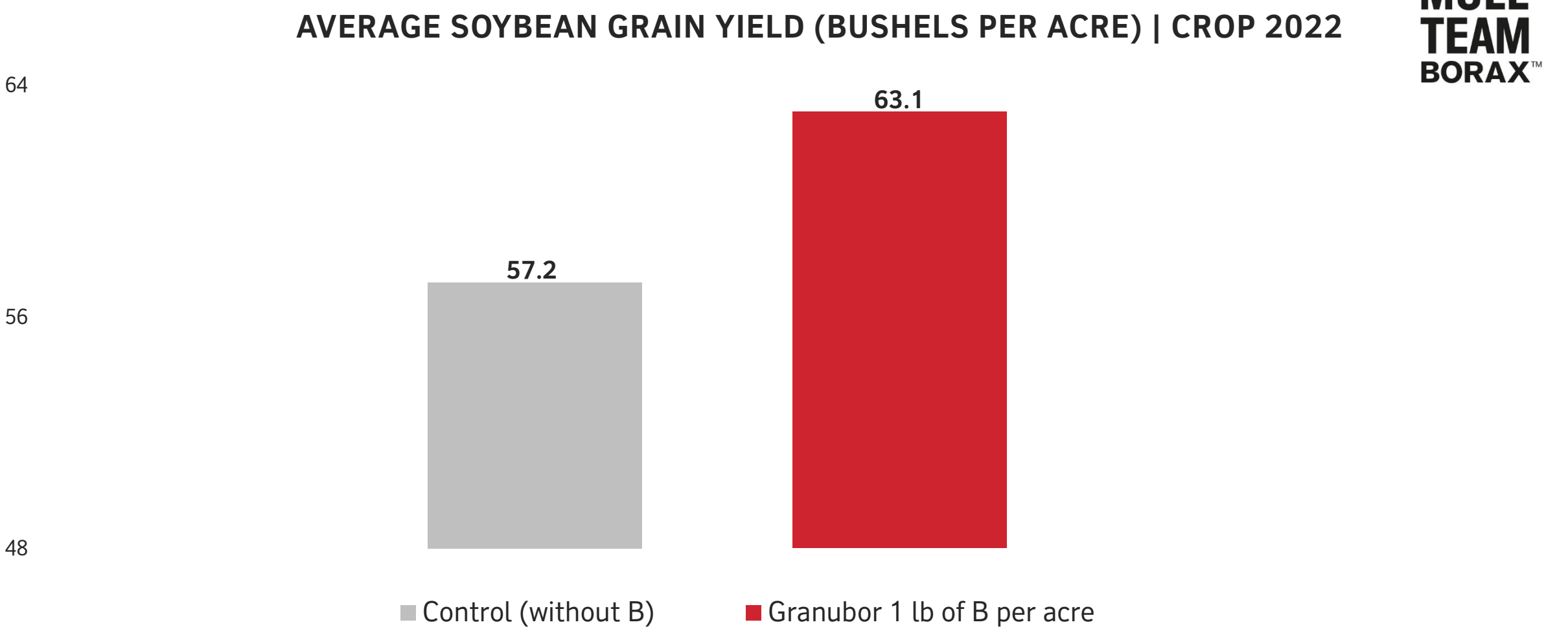
Boron in Soy



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Boron in Soy

Study Details

Research institution: Mississippi State University
Date: 2022
Location: Research and Extension Center, Mississippi
Soil: Dundee silt loam; pH ($CaCl_2$): 6.51; 0.5 ppm of B
Fertilizers: *Granubor*®
Crop variety: AG46X0
Trial design: Randomized complete block with four repetitions. Treatments consisted of different B rates and sources. Pre-plant soil sample 0-6” depth composited by rep fresh root weights of six plants per plot at v4 growth state

Results

The treatment with *Granubor* (1 lb/acre of B) produced 4.3% more compared to the control (without B).

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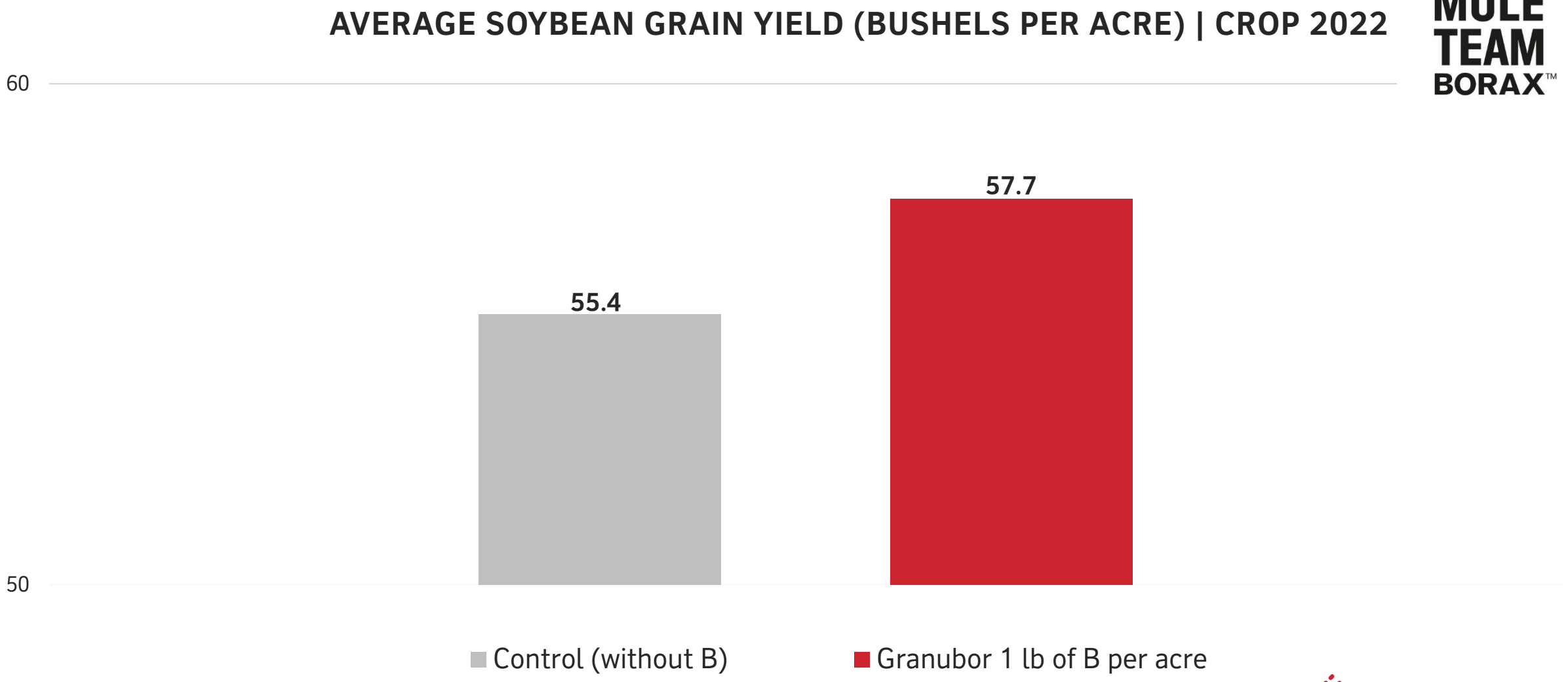

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Conclusions

The 2022 soybean crop suffered through drought conditions.

These field studies emphasizes the importance of boron in terms of better water use efficiency and drought tolerance.