

Boron in Kohlrabi

Study Details

Research institution: Cifacita S.L.

Date: 2005

Location: Torre Pacheco, Murcia, Spain

Soil: Clayey soil, pH = 8.5 and 1.61% of organic matter

Irrigation water: pH (at 25° C) = 7.73

Fertilizers:

Treatments	Type of liquid borates
T ₀ : Control	--
T ₁ : <i>Solubor</i> [®] DF	Sodium borate
T ₂ : Boric acid + surfactant	Non-sodium borate
T ₃ : Standard MEA liquid boron	Non-sodium borate
T ₄ : Standard <i>Solubor</i> Flow	Sodium borate
T ₅ : <i>Solubor</i> Flow + UAN	Sodium borate
T ₆ : <i>Solubor</i> DF + MgO	Sodium borate + magnesium
T ₇ : <i>Solubor</i> Flow + sorbitol	Sodium borate + polyol

Crop variety: Caulo-rapa

Trial design: Randomized complete block with 4 repetitions

Boron in Kohlrabi

Results

Against six other foliar formulations, *Solubor* Flow and *Solubor* DF show a better performance in kohlrabi.

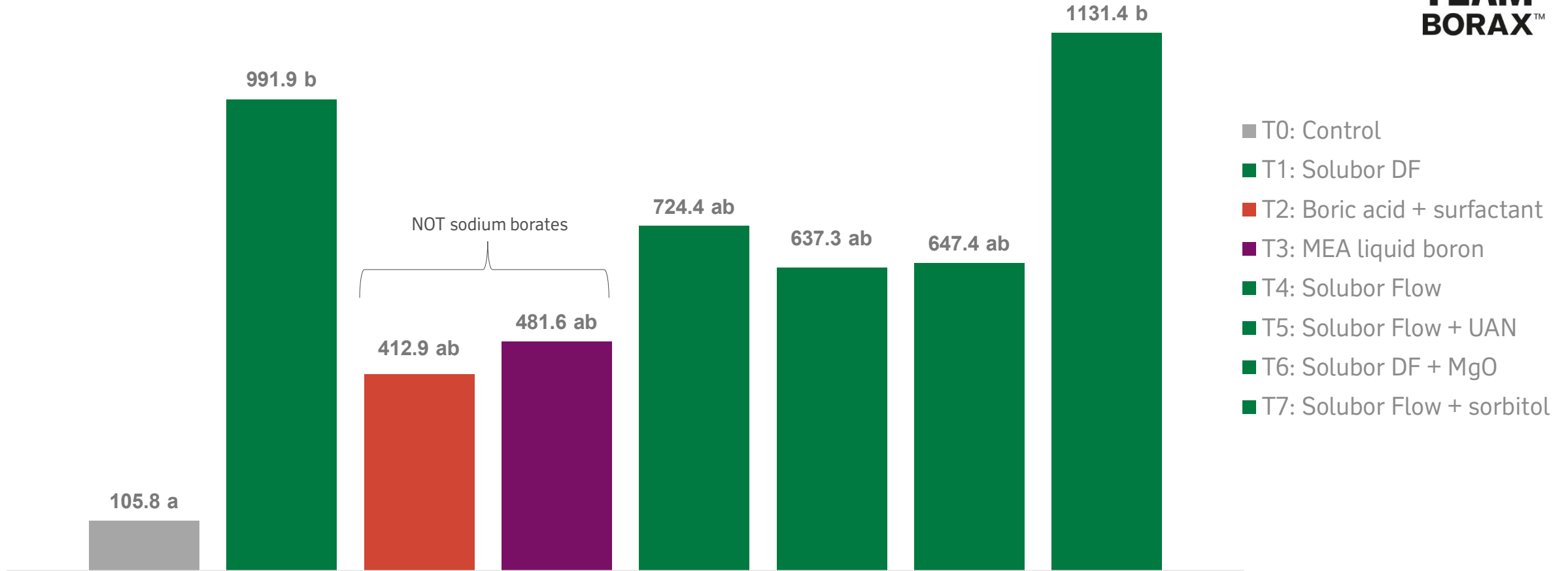
Seven days after the boron treatment, boron content increased from 4-10 times against non-treated plants.

There was a better performance of sodium borates vs non-sodium borates.



Boron in Kohlrabi

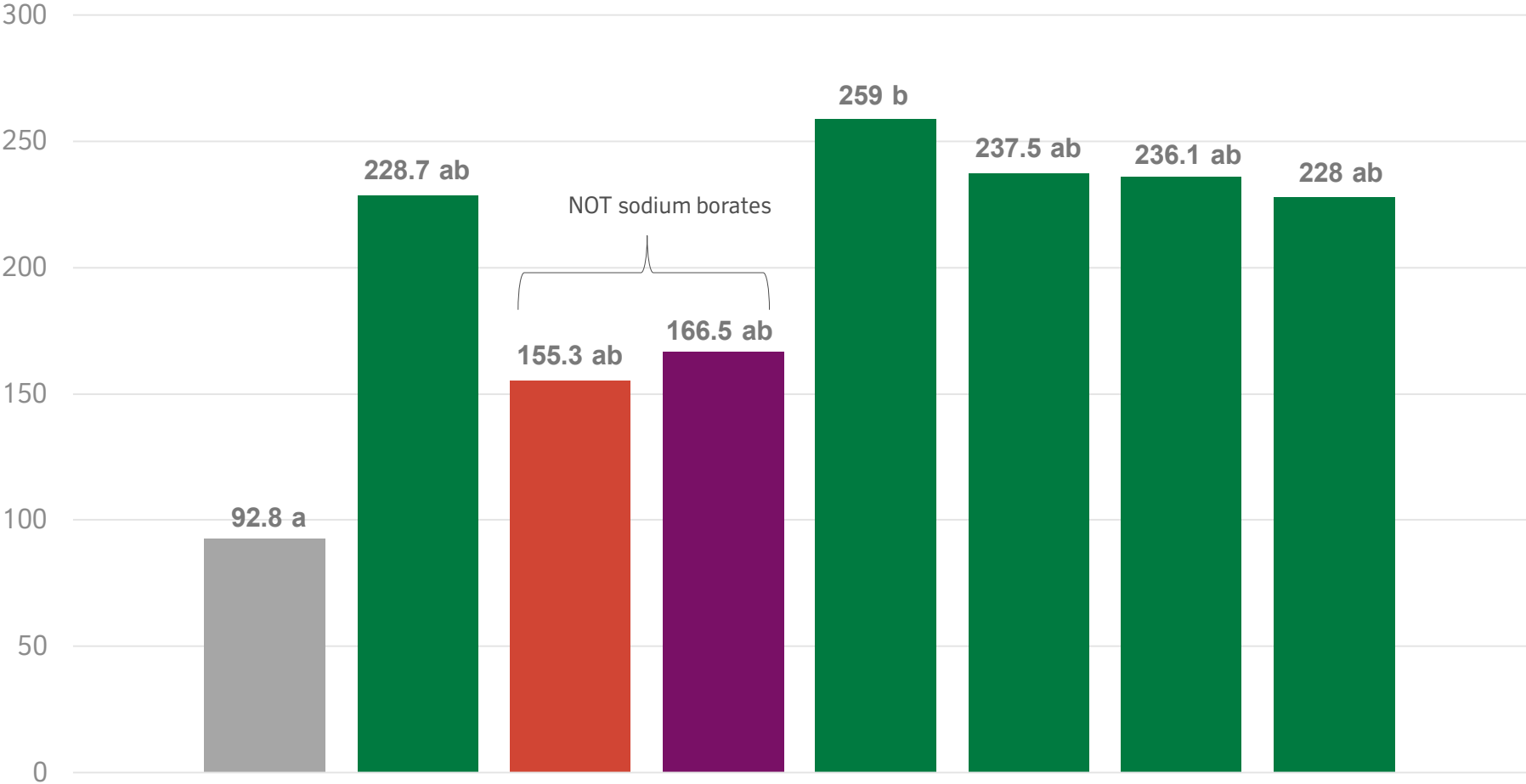
Foliar Boron Content 7 Days After Spraying



Boron in Kohlrabi



Foliar Boron Content 20 Days After Spraying



- T0: Control
- T1: Solubor DF
- T2: Boric acid + surfactant
- T3: MEA liquid boron
- T4: Solubor Flow
- T5: Solubor Flow + UAN
- T6: Solubor DF + MgO
- T7: Solubor Flow + sorbitol