



Sugarcane Ripener Update

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2014 Varietal Ripener Trial



Varietal Response to Ripener Application

▣ Study Information:

- **Trials: 2**
 - ▣ 2nd and 3rd ratoon
- **Ripeners: 3**
 - ▣ Glyphosate (5.3 oz/A Roundup PowerMax)
 - ▣ Trinexapac-ethyl (11 oz/A Palisade)
 - ▣ Natural ripening (non-treated)
- **Reps: 4**
- **Application Date: Aug 28, 2013**
 - ▣ Applied using hand-held spray boom
 - 10 GPA
- **Harvest: Chopper harvester**
 - ▣ 7 weeks after application

▣ Varieties Tested:

- HoCP 96-540
- L 97-128
- L 99-226
- L 99-233
- HoCP 00-950
- L 01-283
- L 01-299*
- L 03-371
- HoCP 04-838
- HoCP 05-902**
- HoCP 05-961

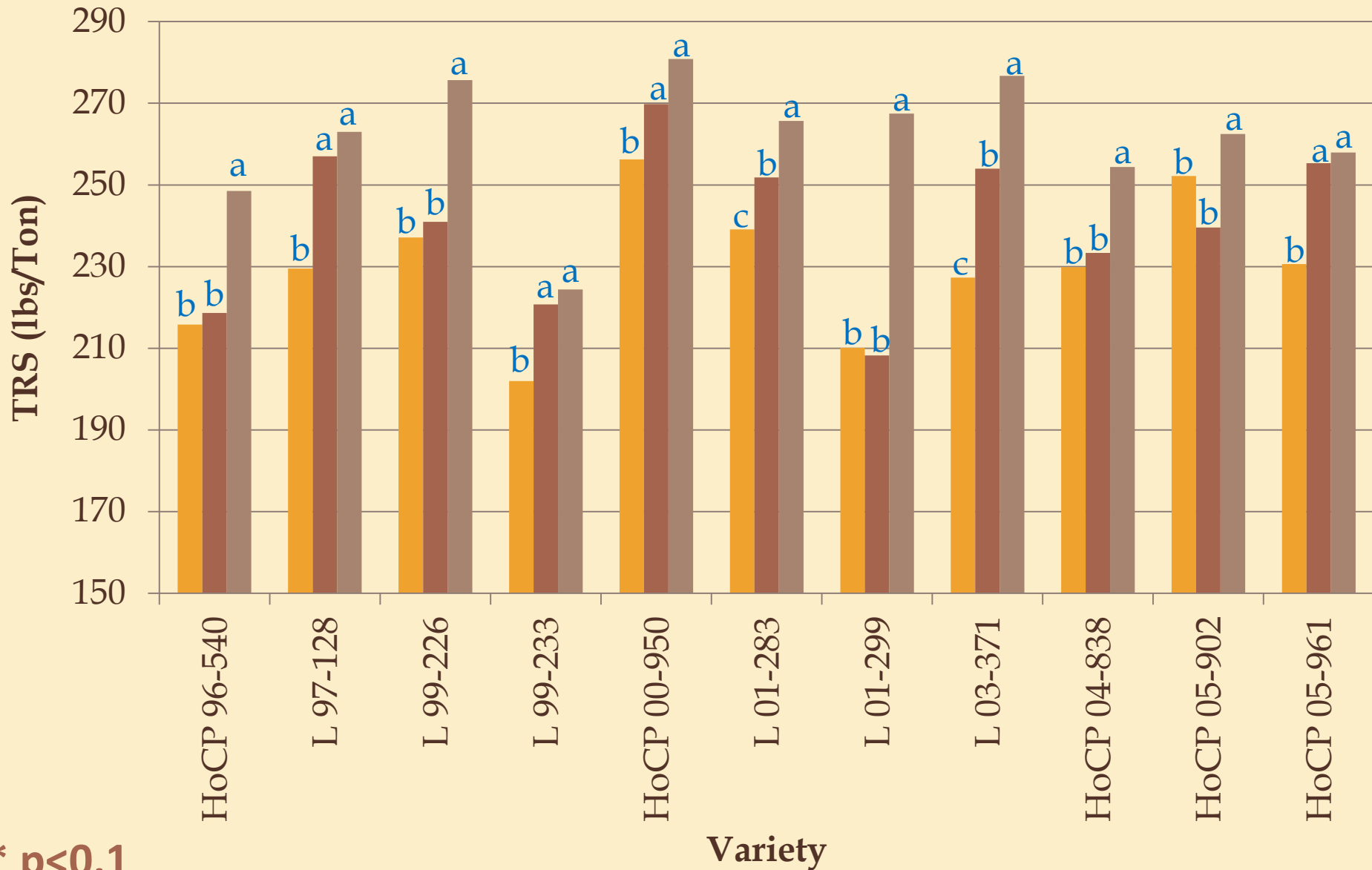
*Only in 2nd ratoon trial

**Only in 1st ratoon trial

Varietal Response to Ripeners:

TRS

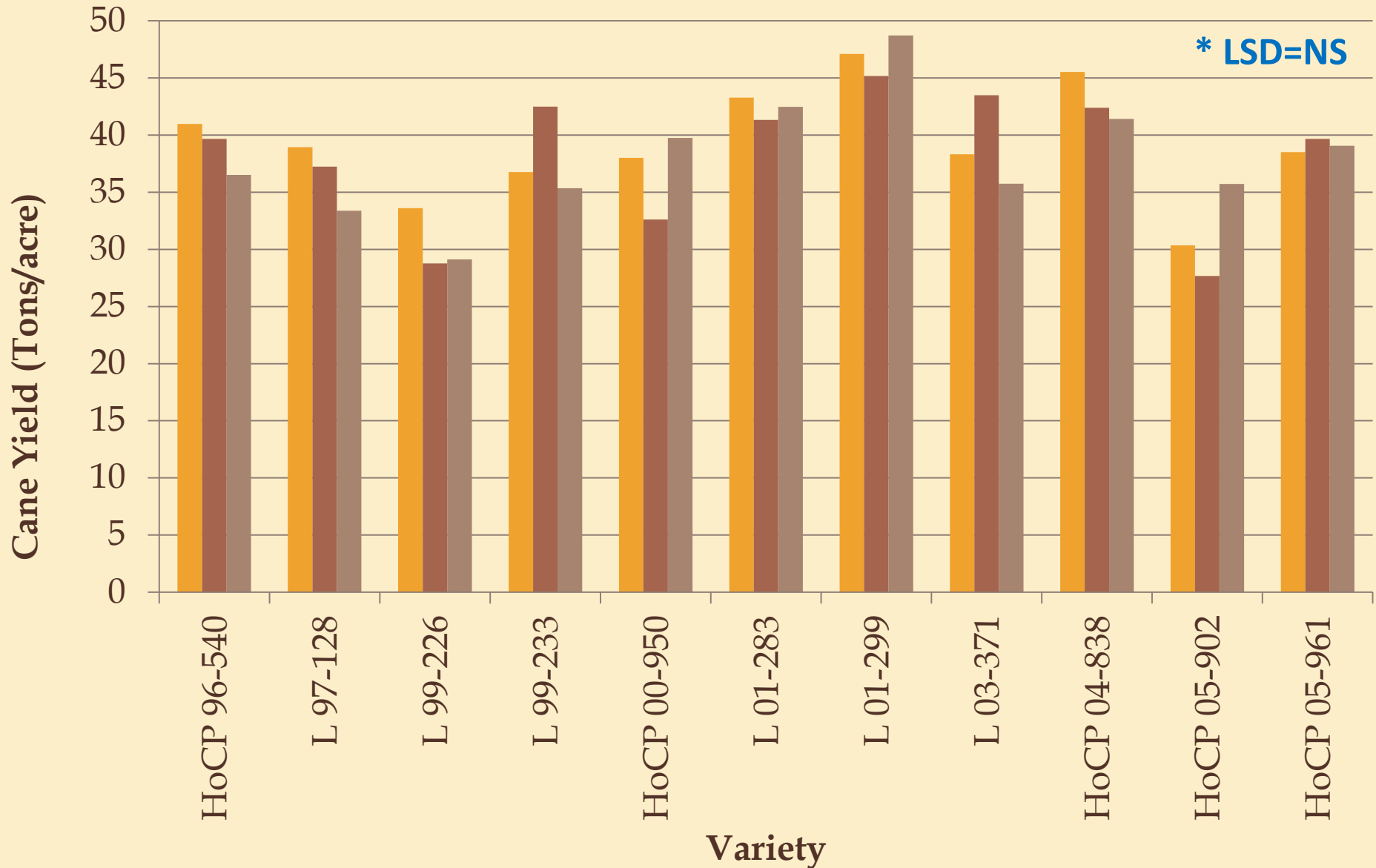
Control trinexapac glyphosate



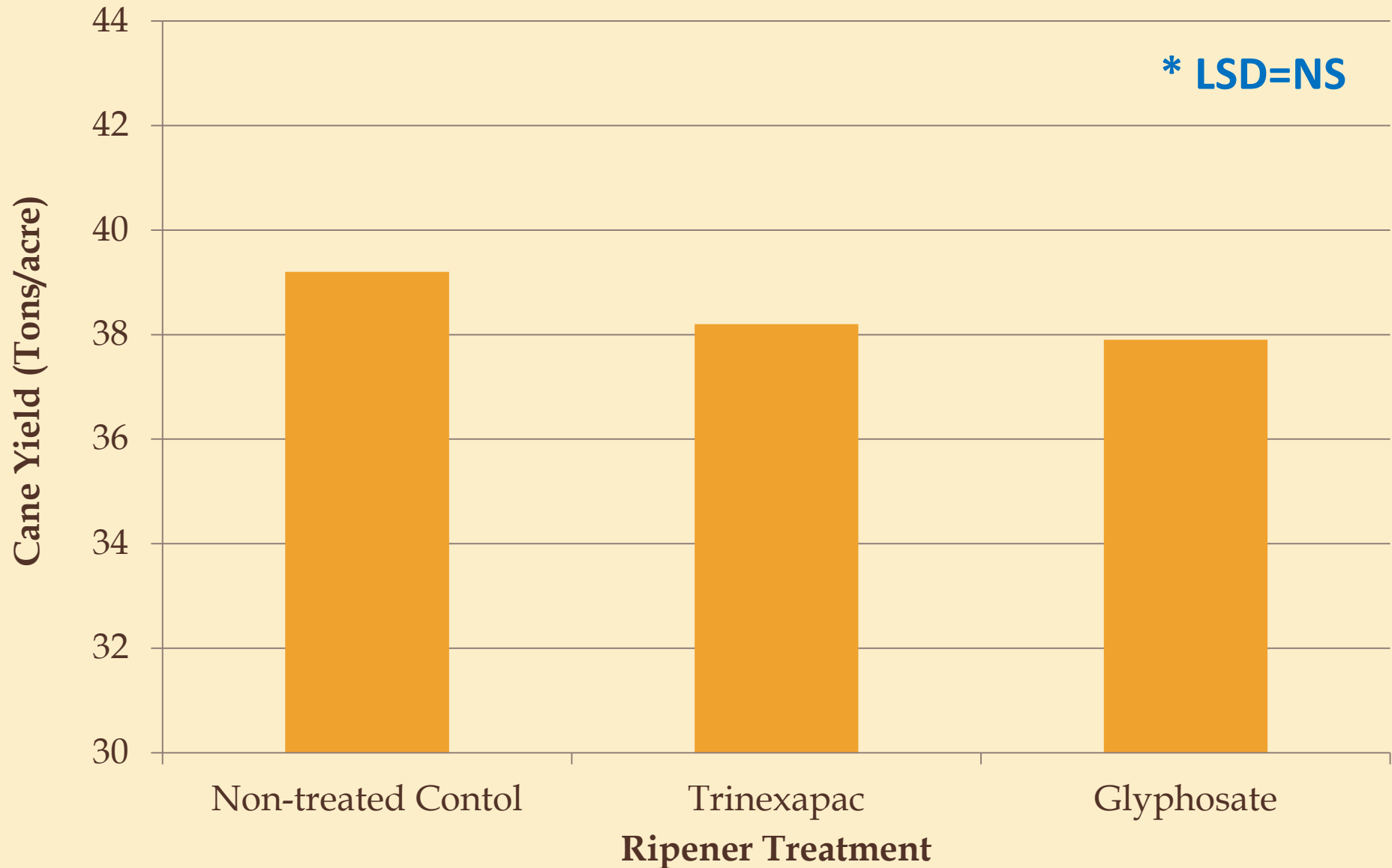
* p<0.1

Varietal Response to Ripeners: Cane Yield

Control trinexapac glyphosate

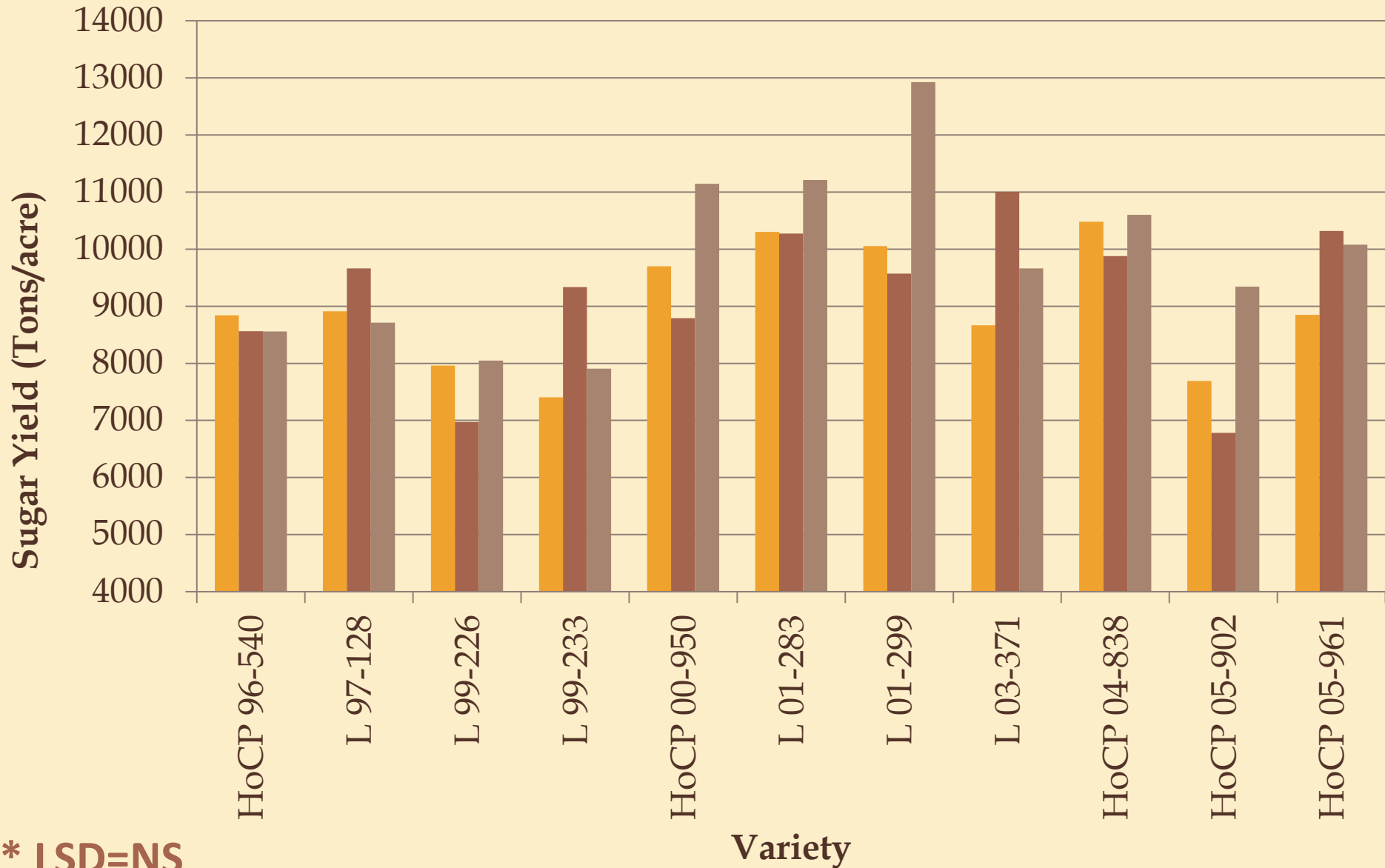


Varietal Response to Ripeners: Cane Yield



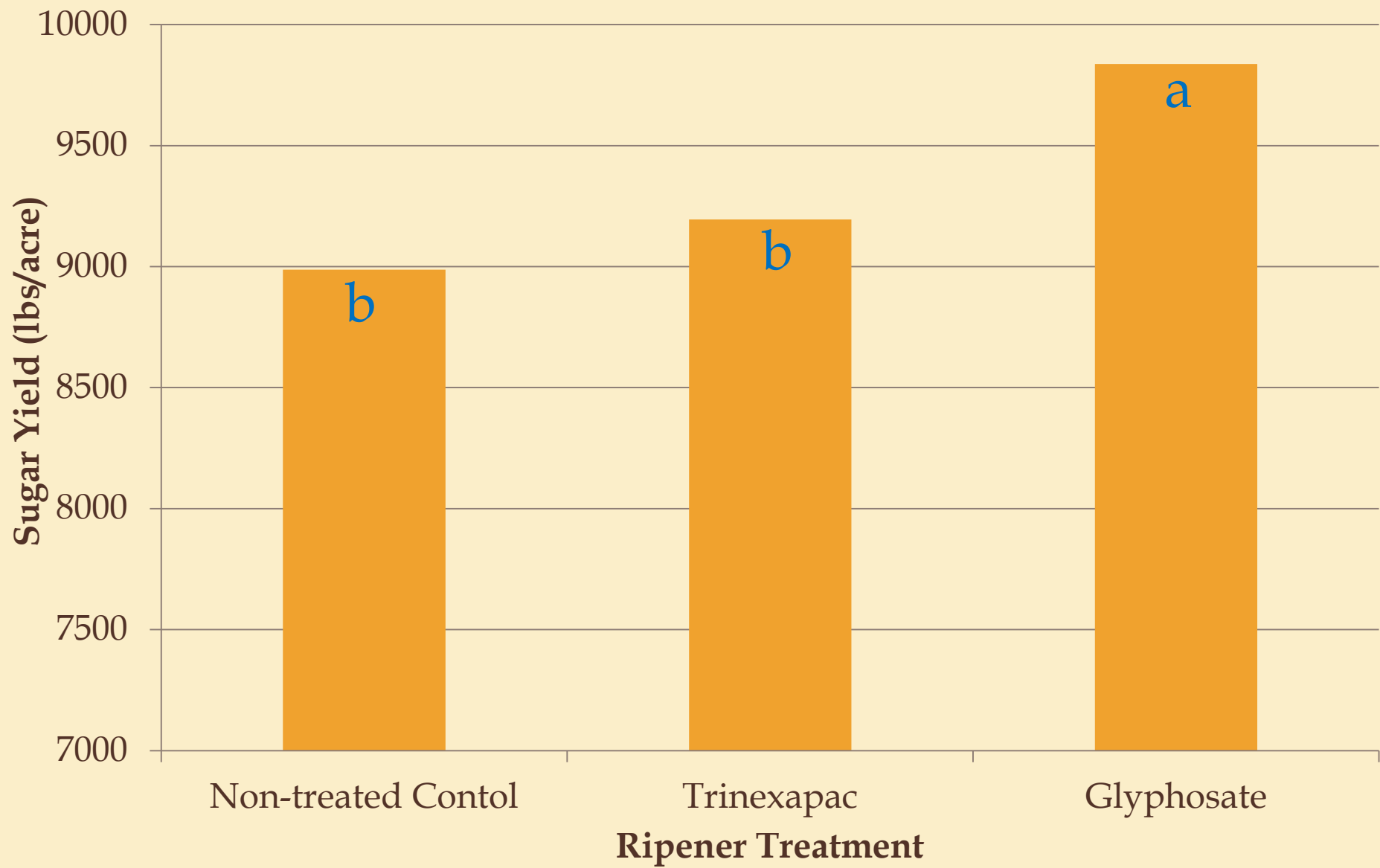
Varietal Response to Ripeners: Cane Yield

Control trinexapac glyphosate



* LSD=NS

Varietal Response to Ripeners: Sugar Yield

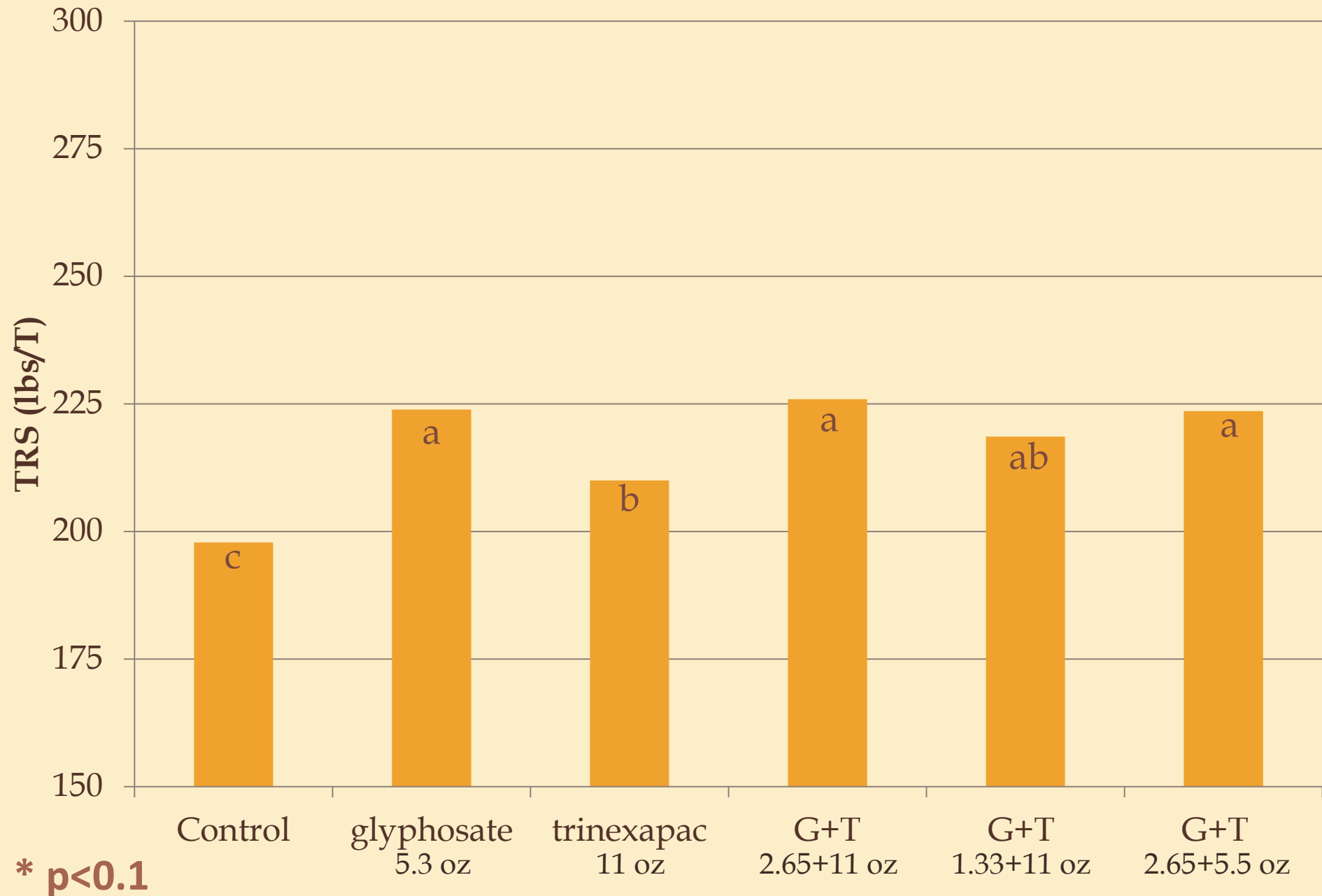


Trinexapac Tank-mix with Glyphosate

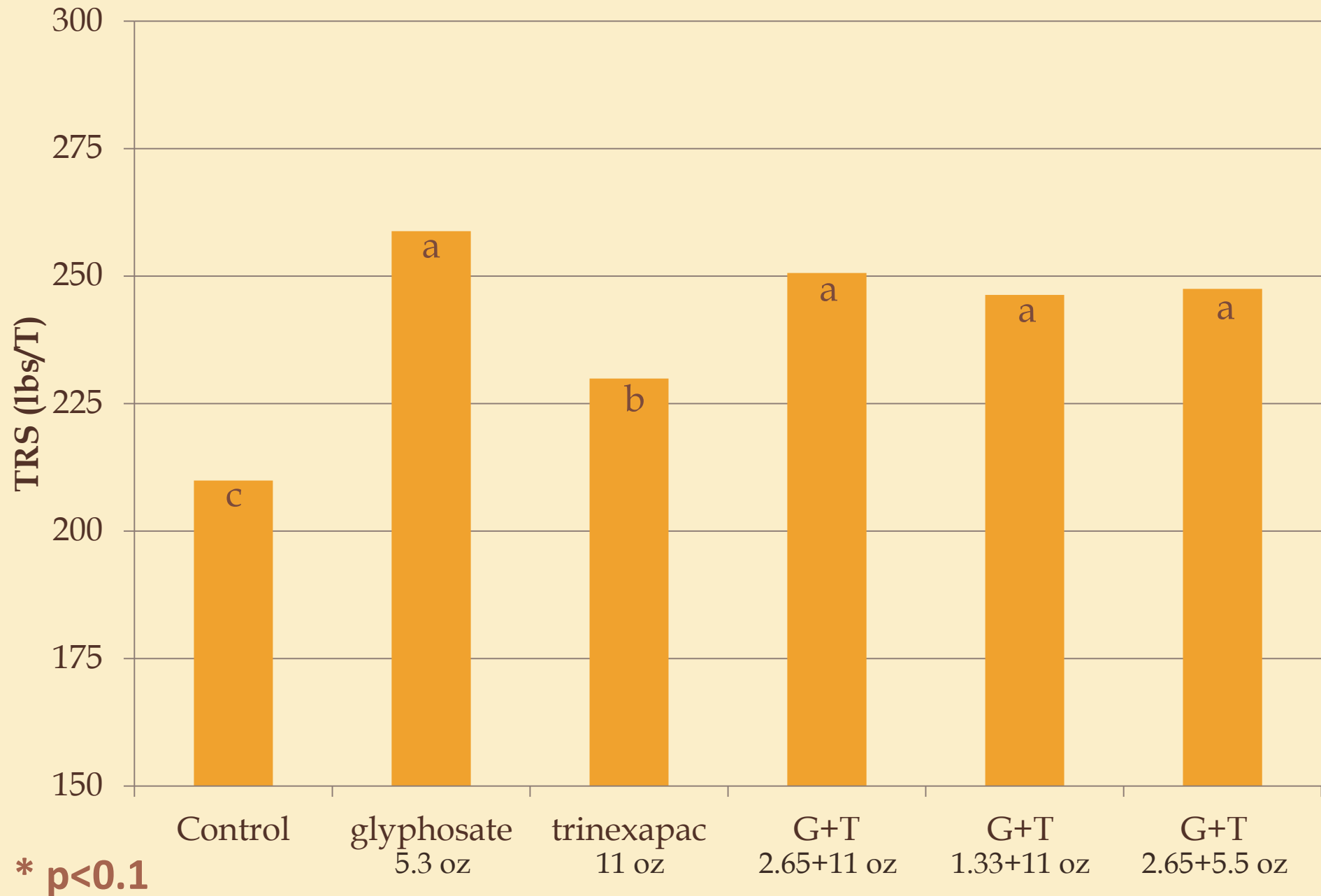
- ▣ Trials conducted in second-stubble HoCP 96-540 (2012 & 2013)
 - **Treatments**
 - ▣ Roundup PowerMAX (5.3 oz/ A)
 - ▣ Palisade (11 oz/ A)
 - ▣ 0.5X PowerMAX + Palisade (2.65 + 11 oz/ A)
 - ▣ 0.25X PowerMAX + Palisade (1.33 + 11 oz/ A)
 - ▣ 0.5X PowerMAX + 0.5X Palisade (2.65 + 5.5 oz/ A)
 - ▣ Non-treated control
 - **Harvest**
 - ▣ 10 stalk sample (continuous)
 - ▣ 4, 6, 8, and 10 weeks after application
 - **Experimental design**
 - ▣ Plot size: 3 rows wide by 40 feet in length
 - ▣ 4 reps
 - ▣ 6 gallons/ A @ 4 MPH
 - ▣ Applied on August 21, 2012
 - Tractor-mounted (Cameco 3500) spray boom



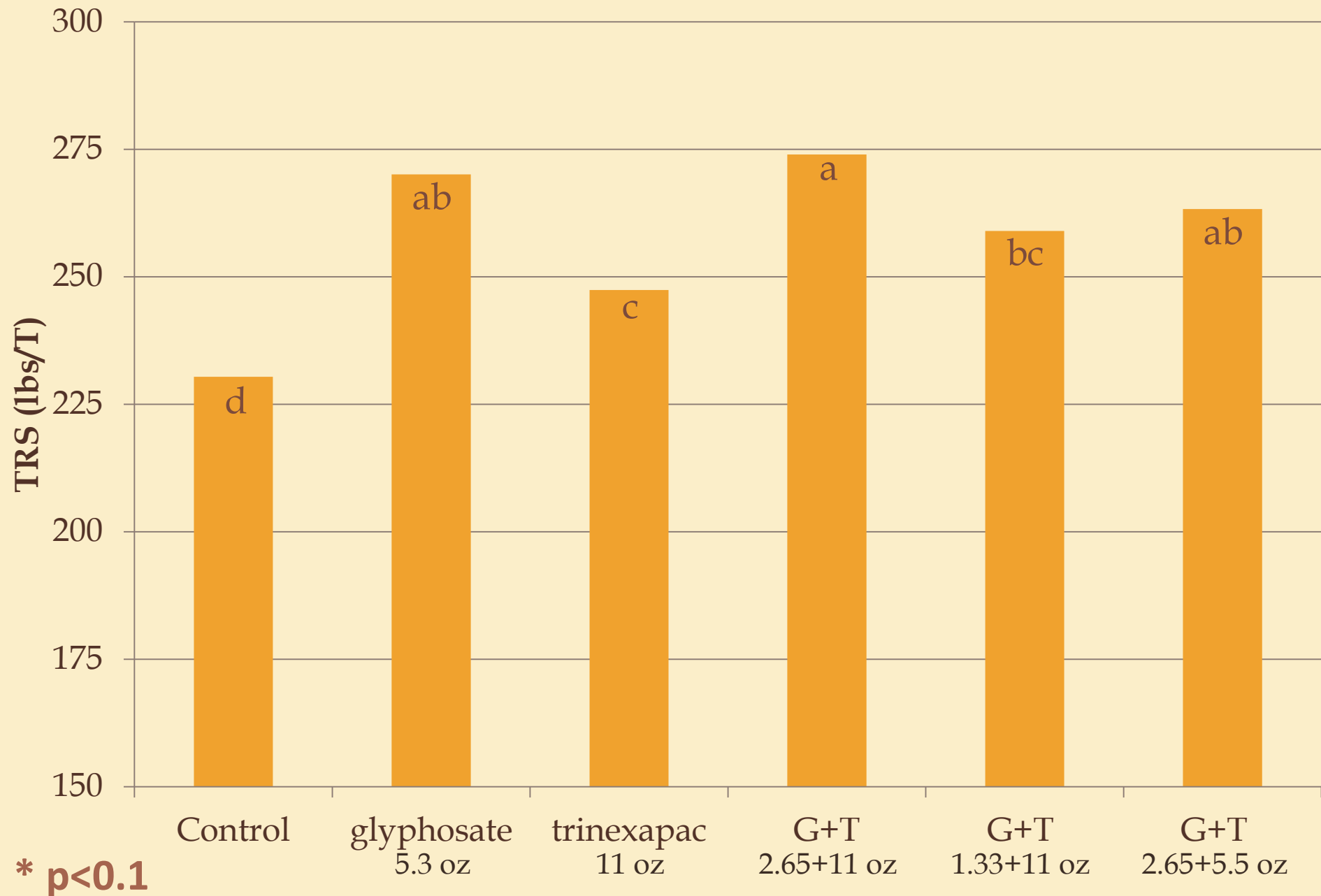
TRS: 4 WAT



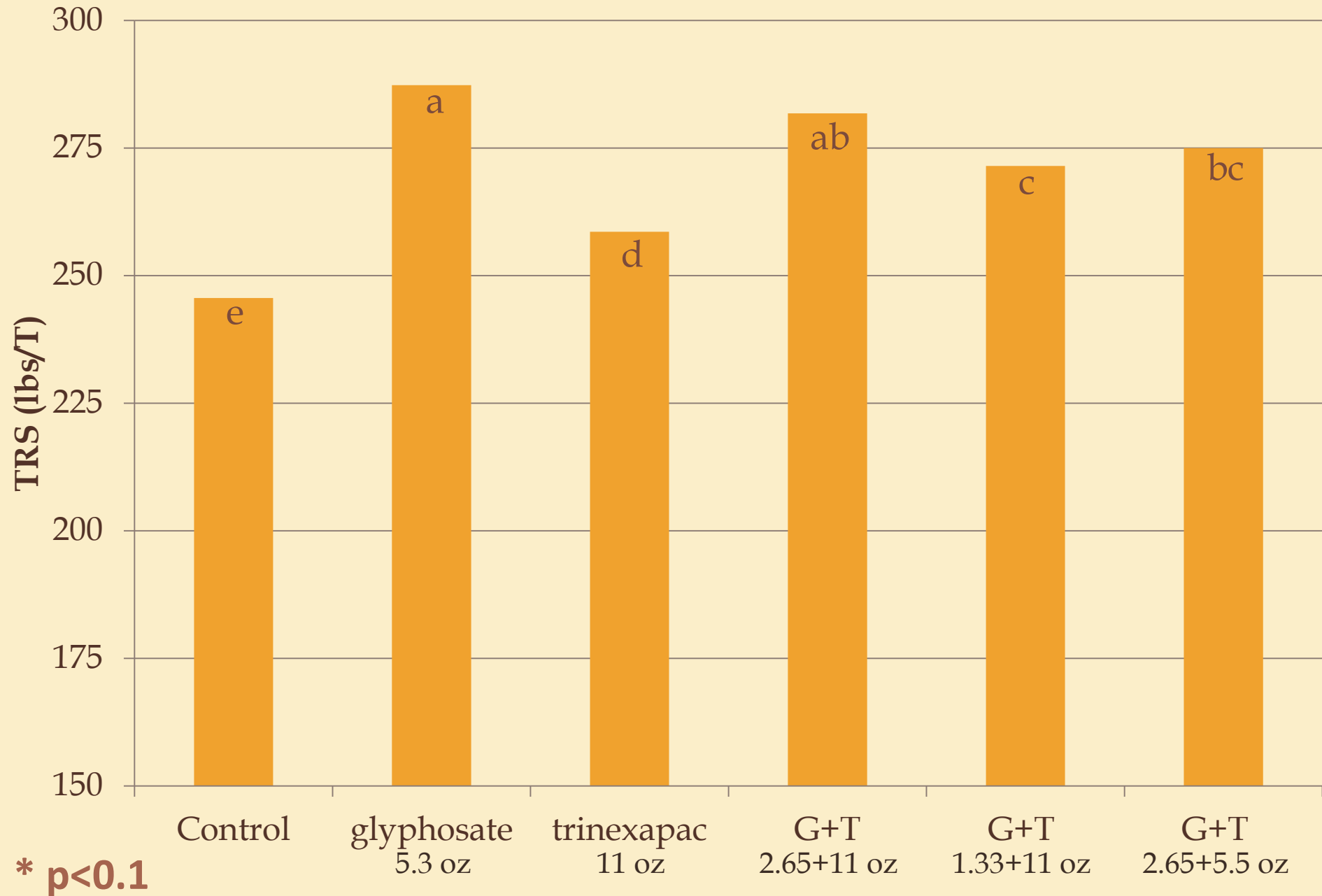
TRS: 6 WAT



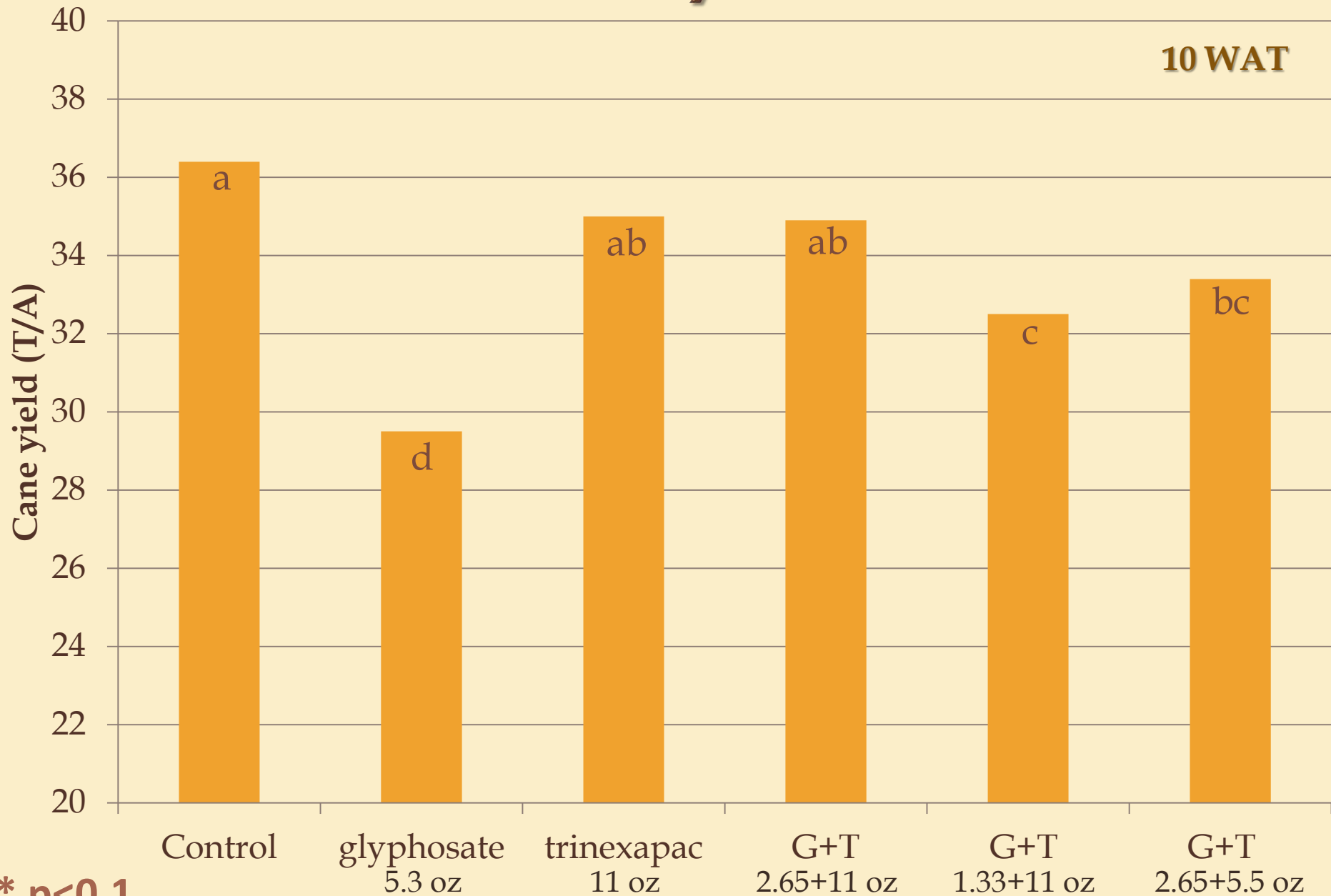
TRS: 8 WAT



TRS: 10 WAT

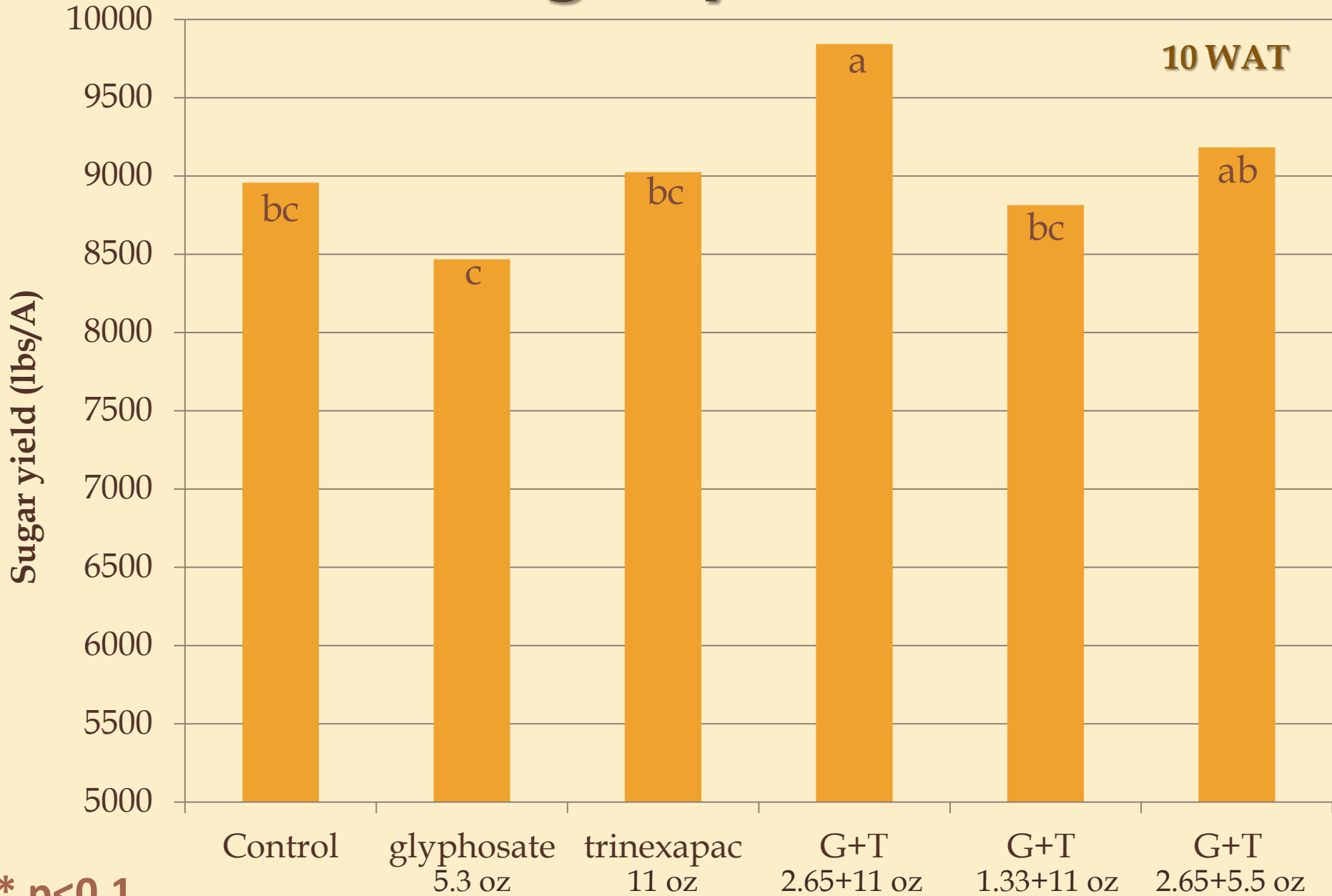


Cane yield



* $p < 0.1$

Sugar yield



* $p < 0.1$

Thank You!

