

Trial Info.

- Planted: May 21, 2019
- Inoculated: July 31, 2019
- Harvested: September 26, 2019
- Location: Sec. 6, SW $\frac{1}{4}$; Western Twp., Otter Tail County
- Variety: ACH 012

- Objective: Determine the effect an adjuvant has on sugarbeet yield and quality when added to CLS fungicide tank mixtures.

Trial Info.

- Due to a late planting date and subsequent delayed row closure, this trial was not inoculated until later in the season.
- Three fungicide applications were made, following the MDFC fungicide program:
 - Super Tin + ManKocide
 - Provysol + Badge SC
 - Super Tin + Manzate
- The adjuvant was added to each fungicide tank mix.

CLS Rating Scale



Category 1
1-5 spots/leaf
0.1% severity



Category 2
6-12 spots/leaf
0.35% severity



Category 3
13-25 spots/leaf
0.75% severity



Category 4
26-50 spots/leaf
1.5% severity



Category 5
51-75 spots/leaf
2.5% severity



Category 6
3% severity
PROVEN ECONOMIC DAMAGE



Category 7
6% severity



Category 8
12% severity



Category 9
25% severity



Category 10
50% severity

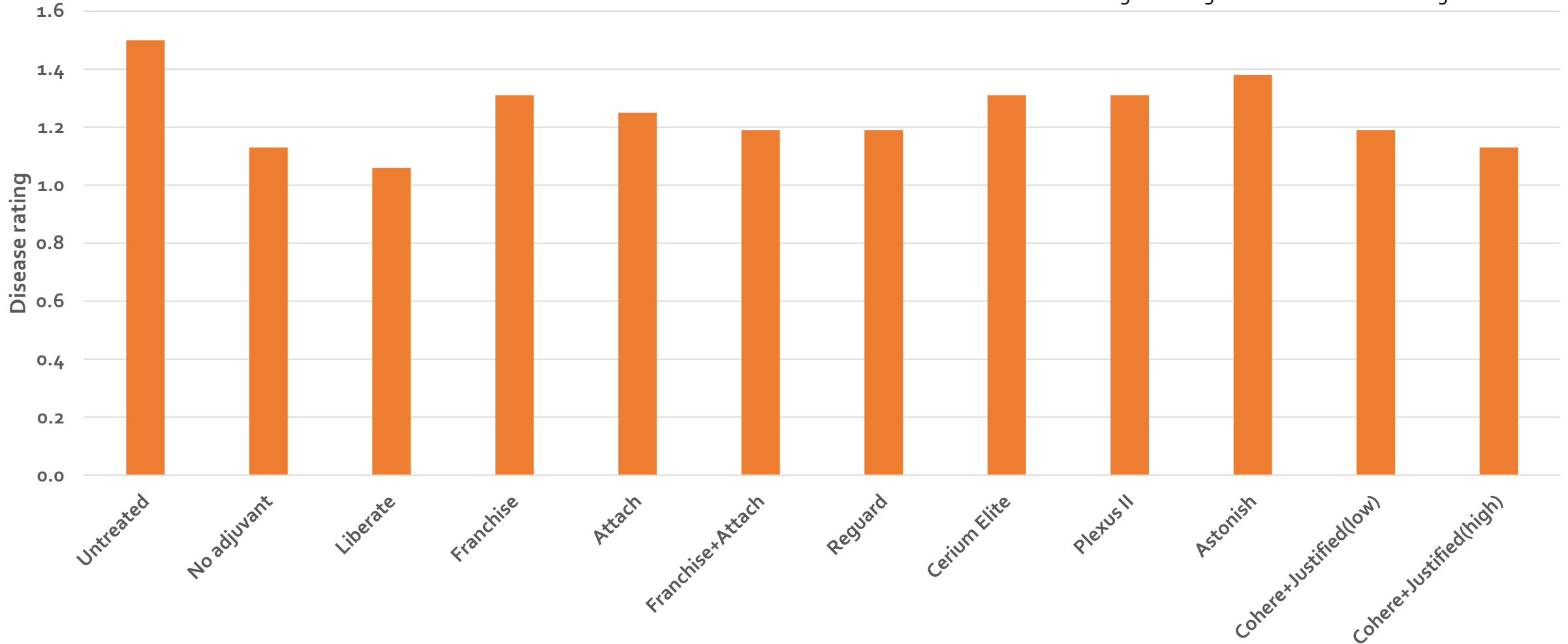
Adjuvant Study



LSD (p=0.10): NS
CV: 20.84

CLS Rating ~ August 16, 2019

* A higher rating indicates more CLS damage *



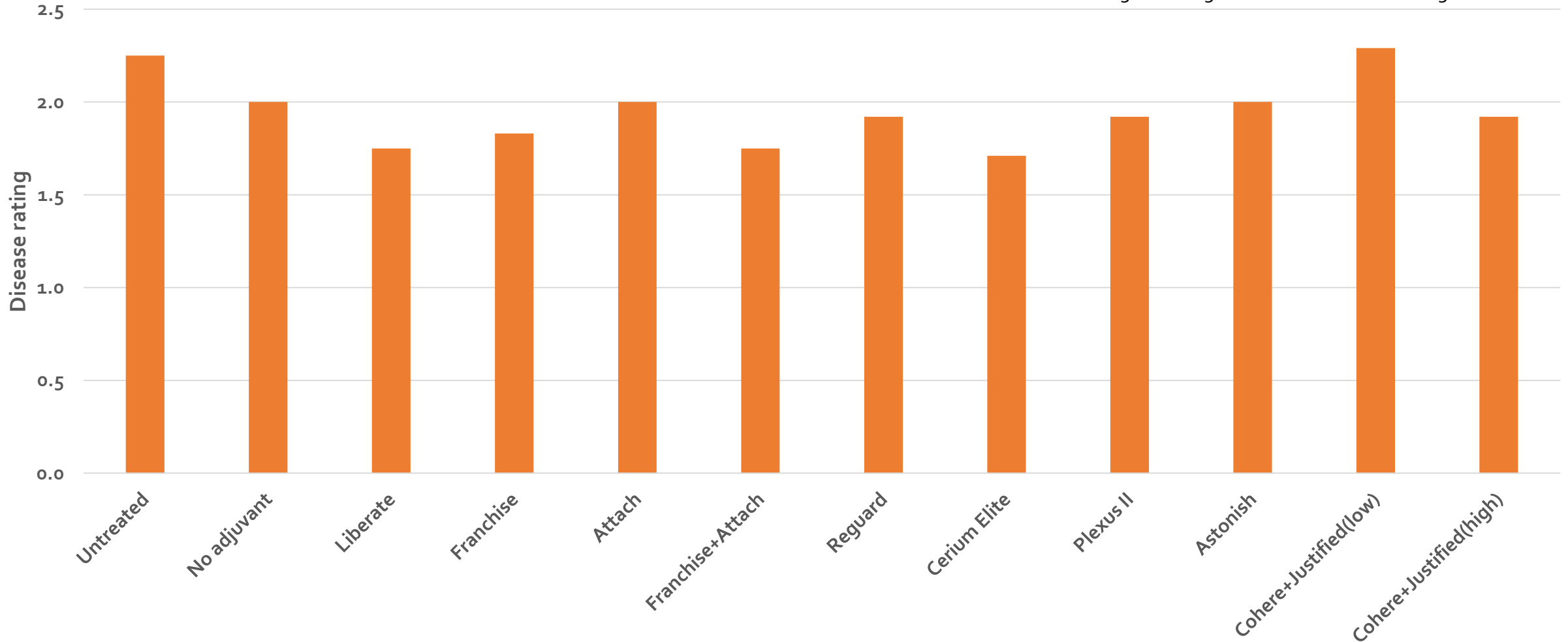
Adjuvant Study



LSD (p=0.10): NS
CV: 25.05

CLS Rating ~ August 22, 2019

* A higher rating indicates more CLS damage *



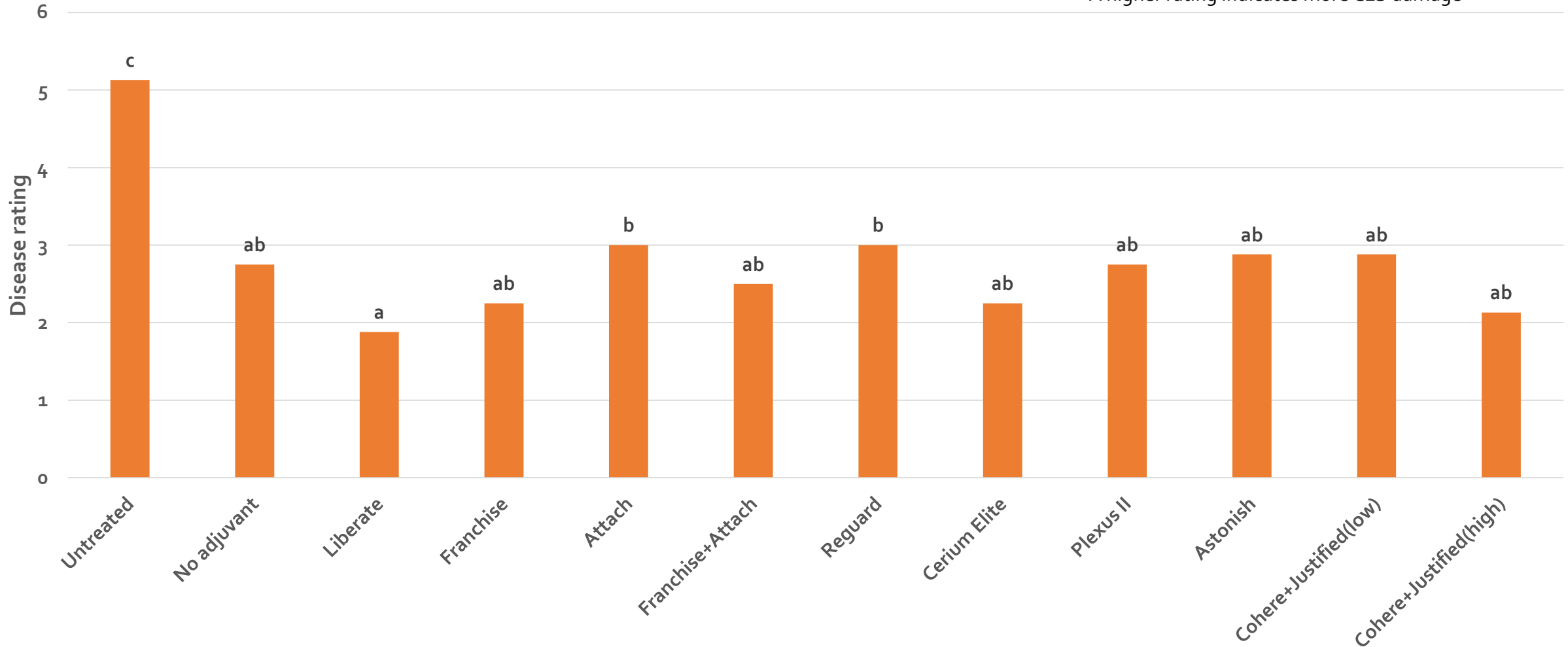
Adjuvant Study



LSD (p=0.10): 1.04
CV: 31.17

CLS Rating ~ September 6, 2019

* A higher rating indicates more CLS damage *



Treatments with the same letter are not statistically different

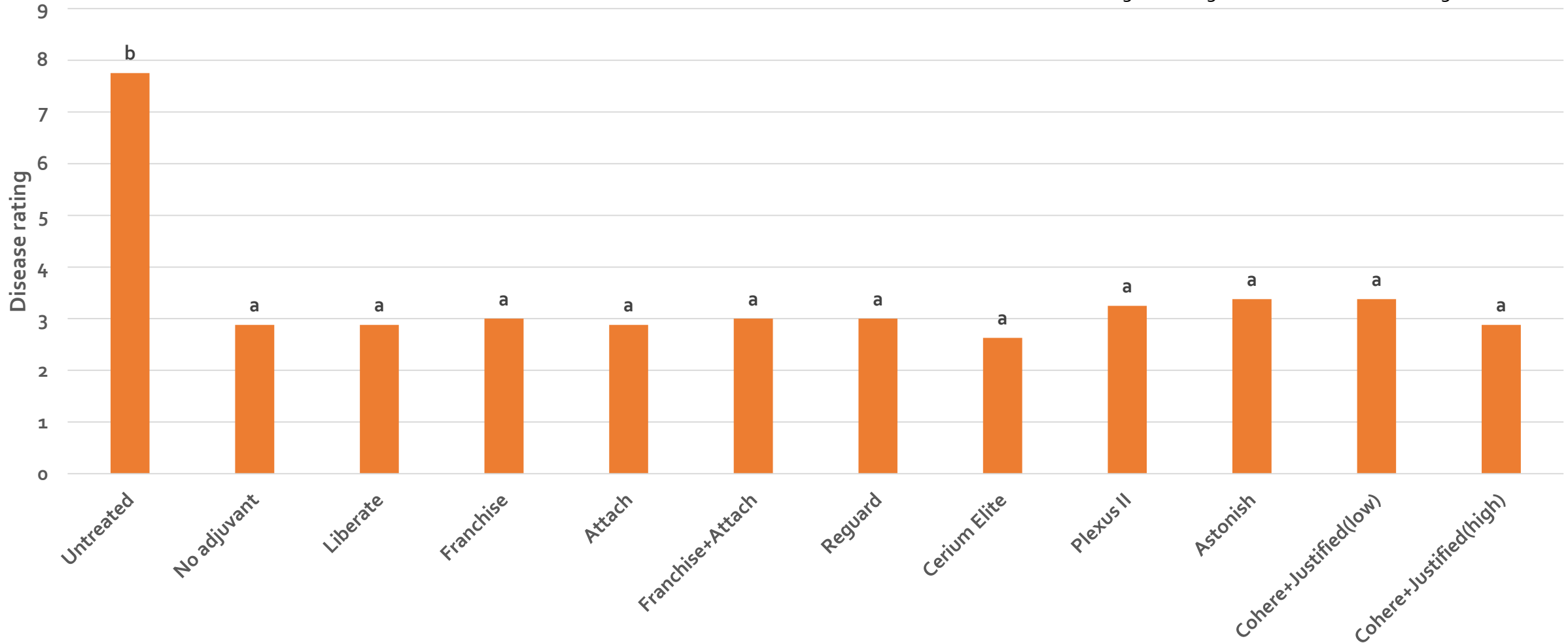
Adjuvant Study



LSD (p=0.10): 0.79
CV: 19.38

CLS Rating ~ September 18, 2019

* A higher rating indicates more CLS damage *

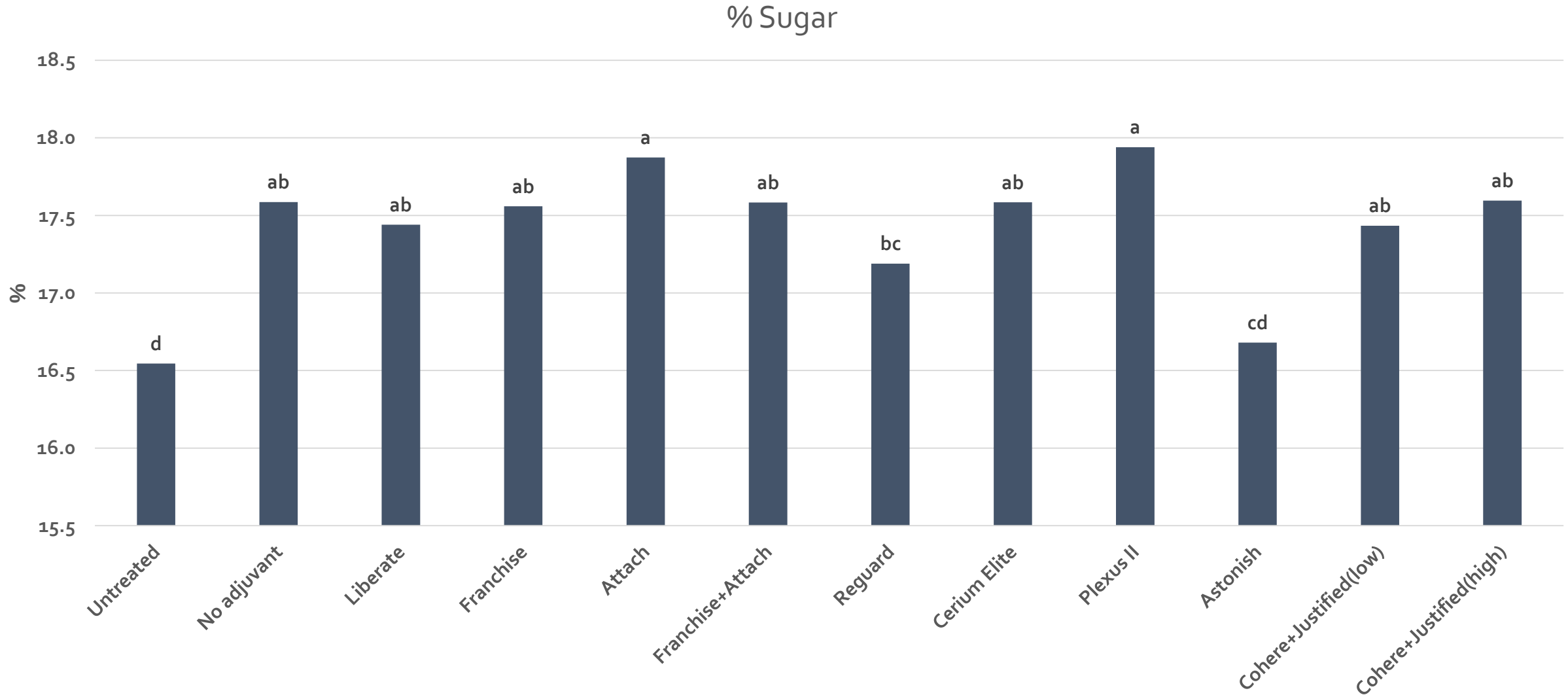


Treatments with the same letter are not statistically different

Adjuvant Study



LSD (p=0.10): 0.58
CV: 2.77

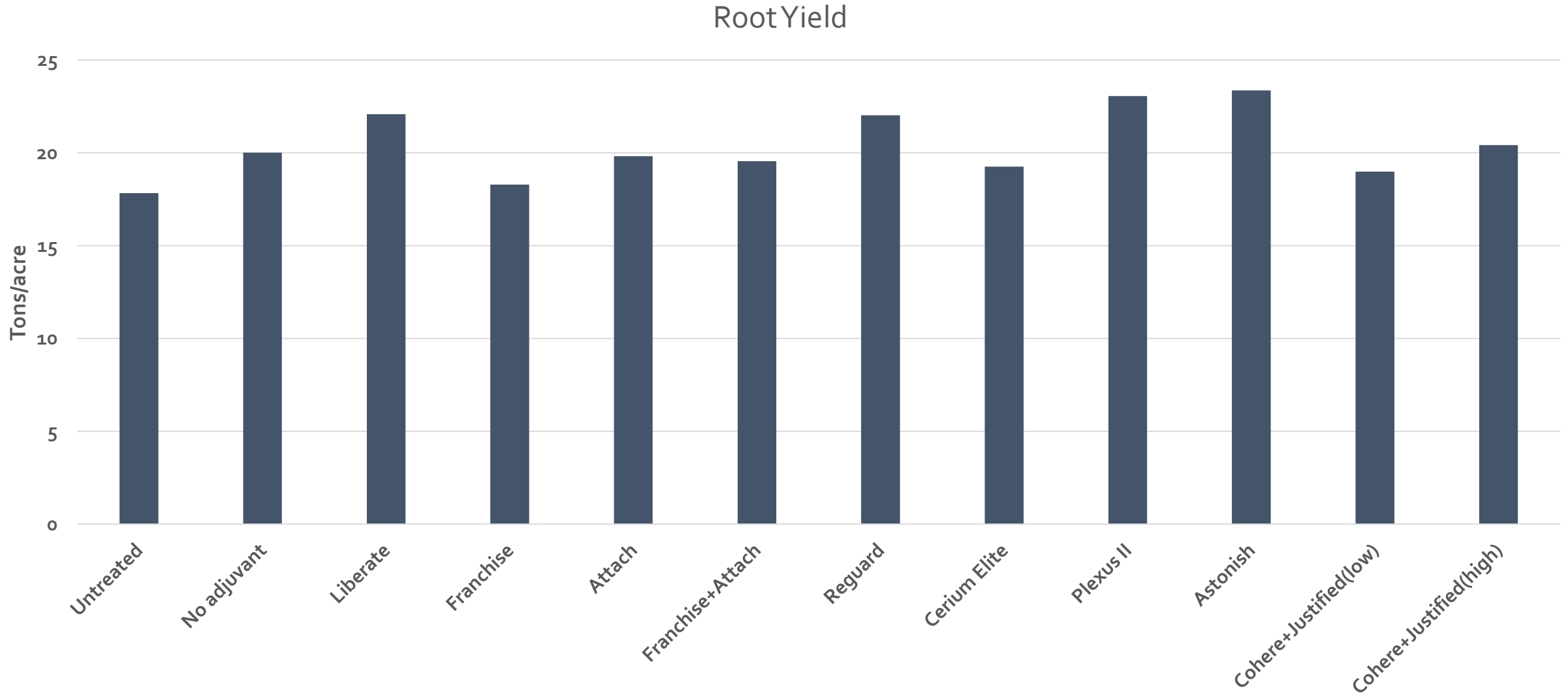


Treatments with the same letter are not statistically different

Adjuvant Study



LSD (p=0.10): NS
CV: 23.93

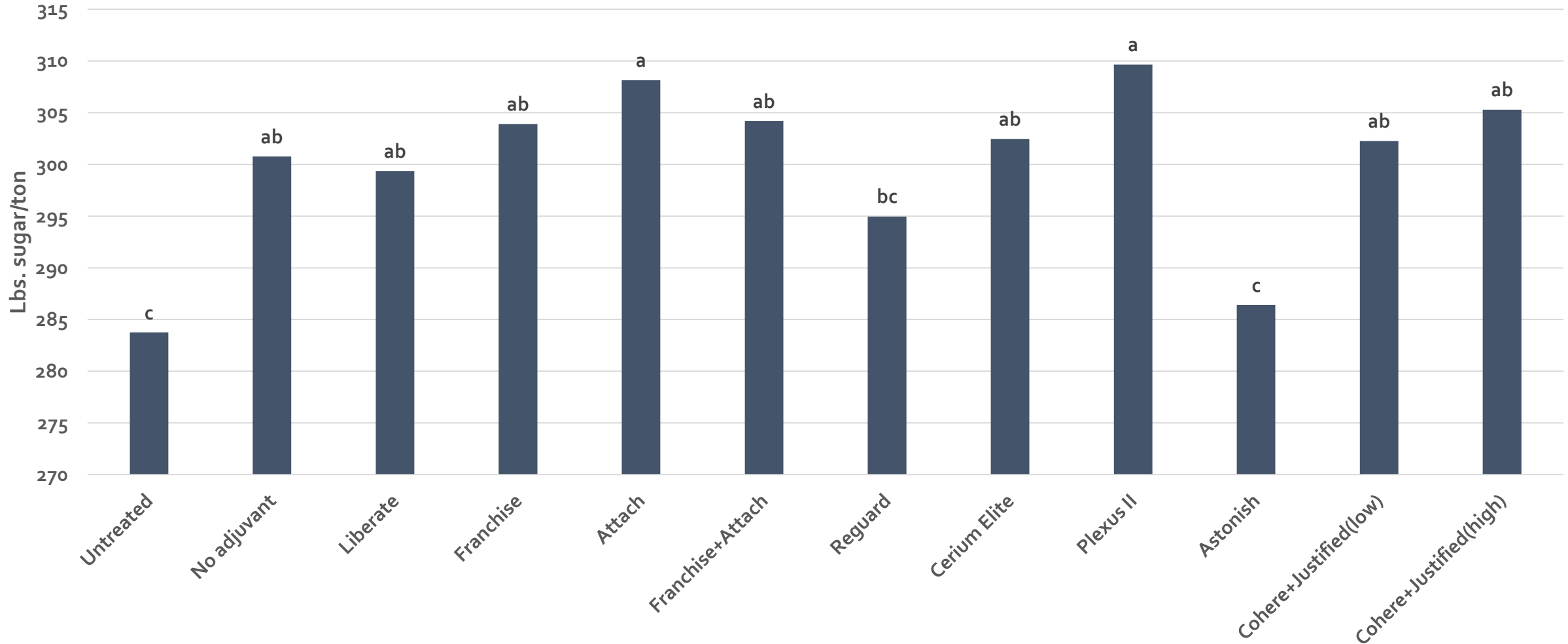


Adjuvant Study



LSD (p=0.10): 11.54
CV: 3.21

Recoverable Sugar per Ton



Treatments with the same letter are not statistically different

Adjuvant Study



LSD (p=0.10): NS
CV: 24.44

Recoverable Sugar per Acre

