

# Trial Info.

- Planted: May 15, 2020
- Inoculated: July 7, 2020
- Harvested: September 18, 2020
- Location: Sec. 1, NW ¼; Champion Twp., Wilkin County
- Variety: SES 788 ~ CLS rating = 4.39
  
- Objective: Determine the effect an adjuvant has on sugarbeet yield and quality when added to CLS fungicide tank mixtures.
- Fungicide applications followed a 10-12 day interval, unless weather necessitated otherwise.

# Trial Info.

- Six fungicide applications were made, following the MDFC fungicide program:
  - Priaxor + NIS
  - Provysol + Badge
  - SuperTin + Manzate
  - Proline + Badge + NIS
  - SuperTin + Manzate
  - Badge (high rate)
- 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



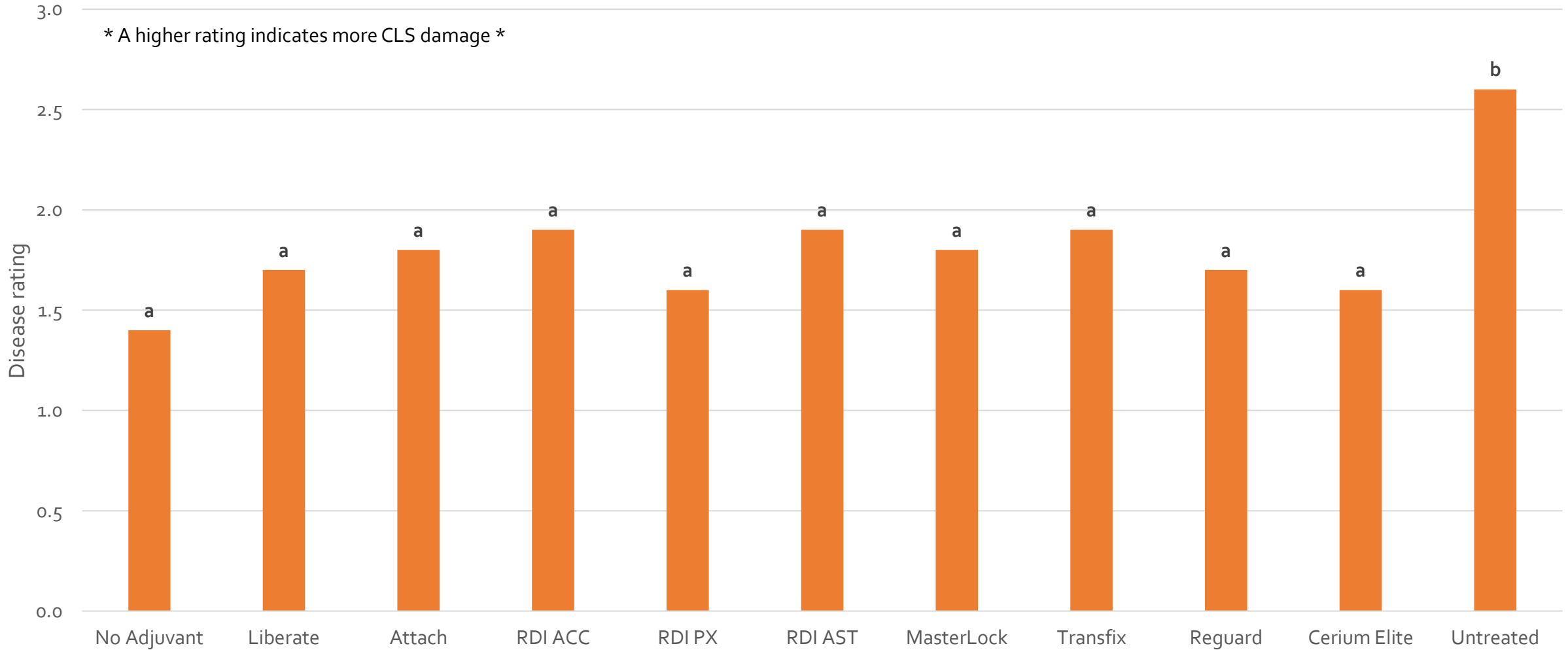
**Category 10**  
50% severity

# Adjuvant Study



LSD (p=0.10): 0.52  
CV: 20.54

CLS Rating ~ August 11, 2020



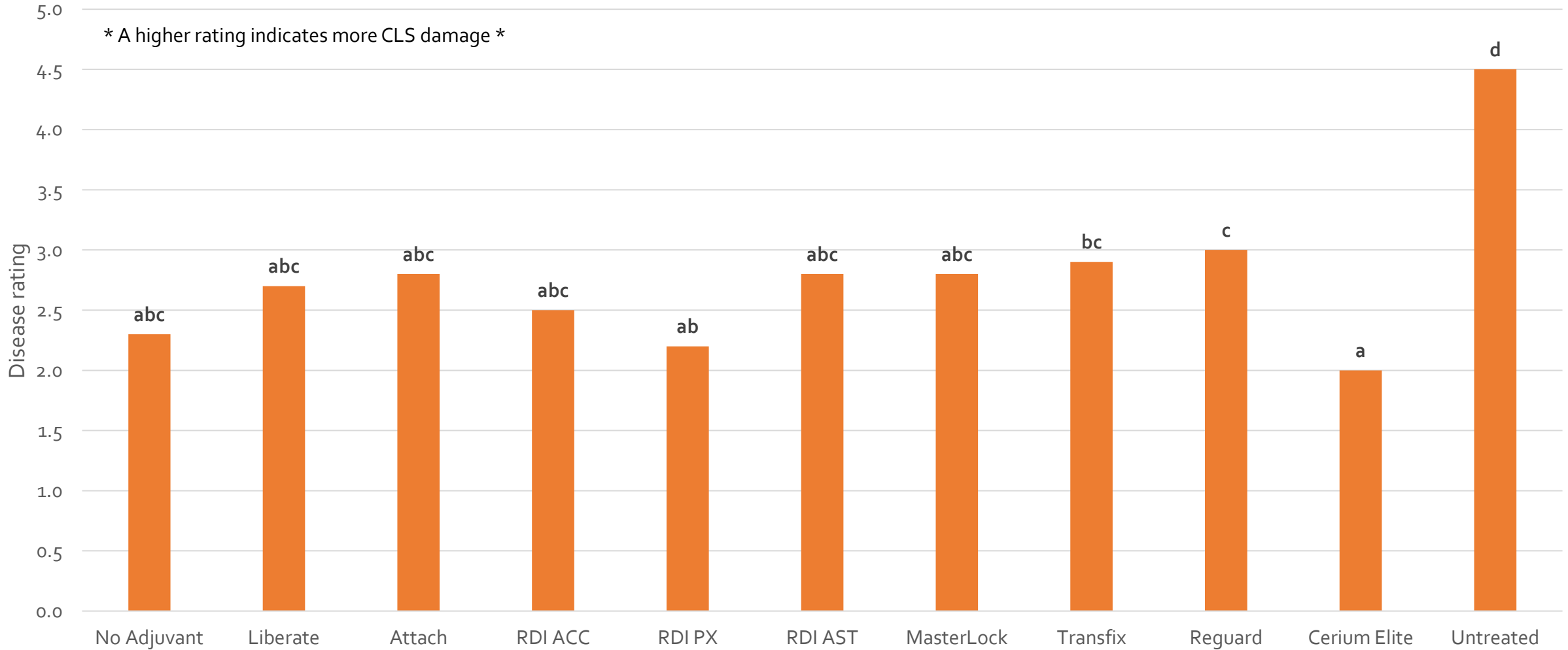
\*Treatments with the same letter are not statistically different\*

# Adjuvant Study

LSD (p=0.10): 0.83  
CV: 21.39



CLS Rating ~ August 19, 2020



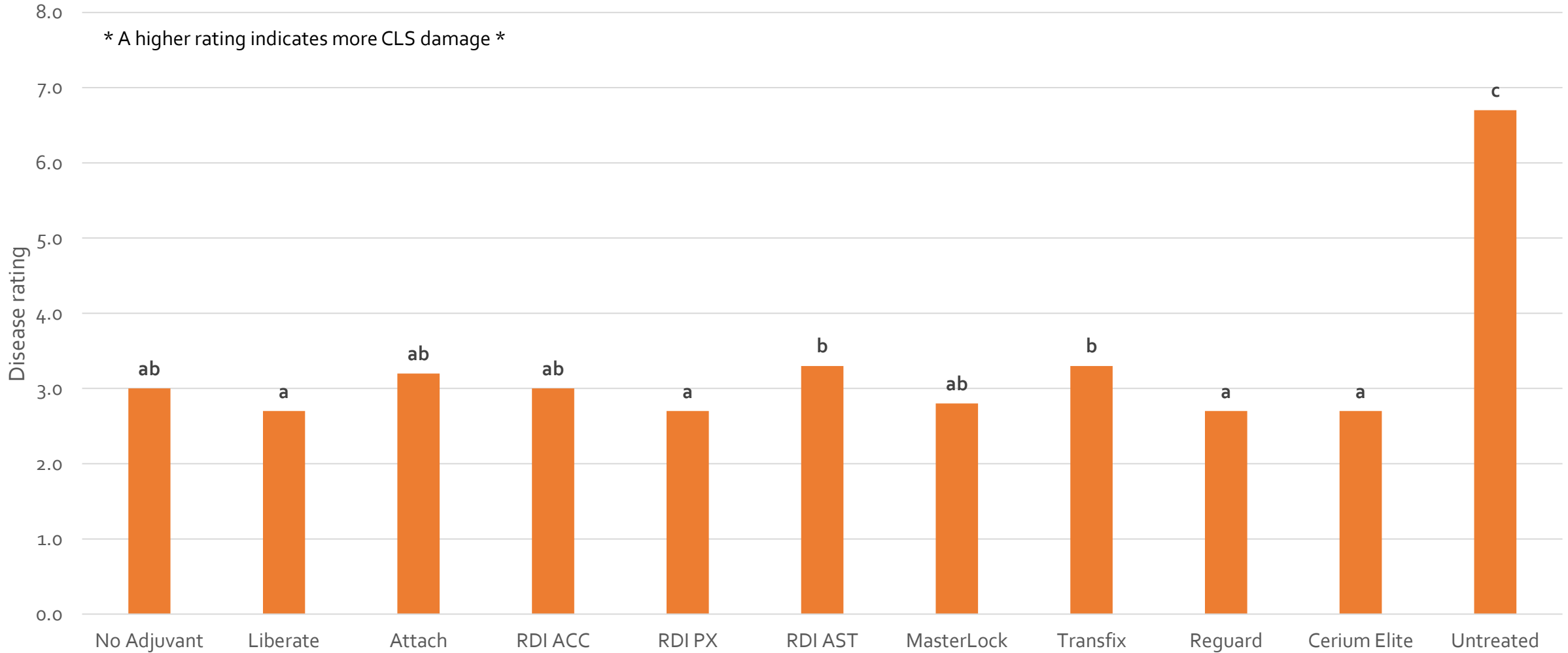
\*Treatments with the same letter are not statistically different\*

# Adjuvant Study



LSD (p=0.10): 0.66  
CV: 14.35

CLS Rating ~ August 26, 2020



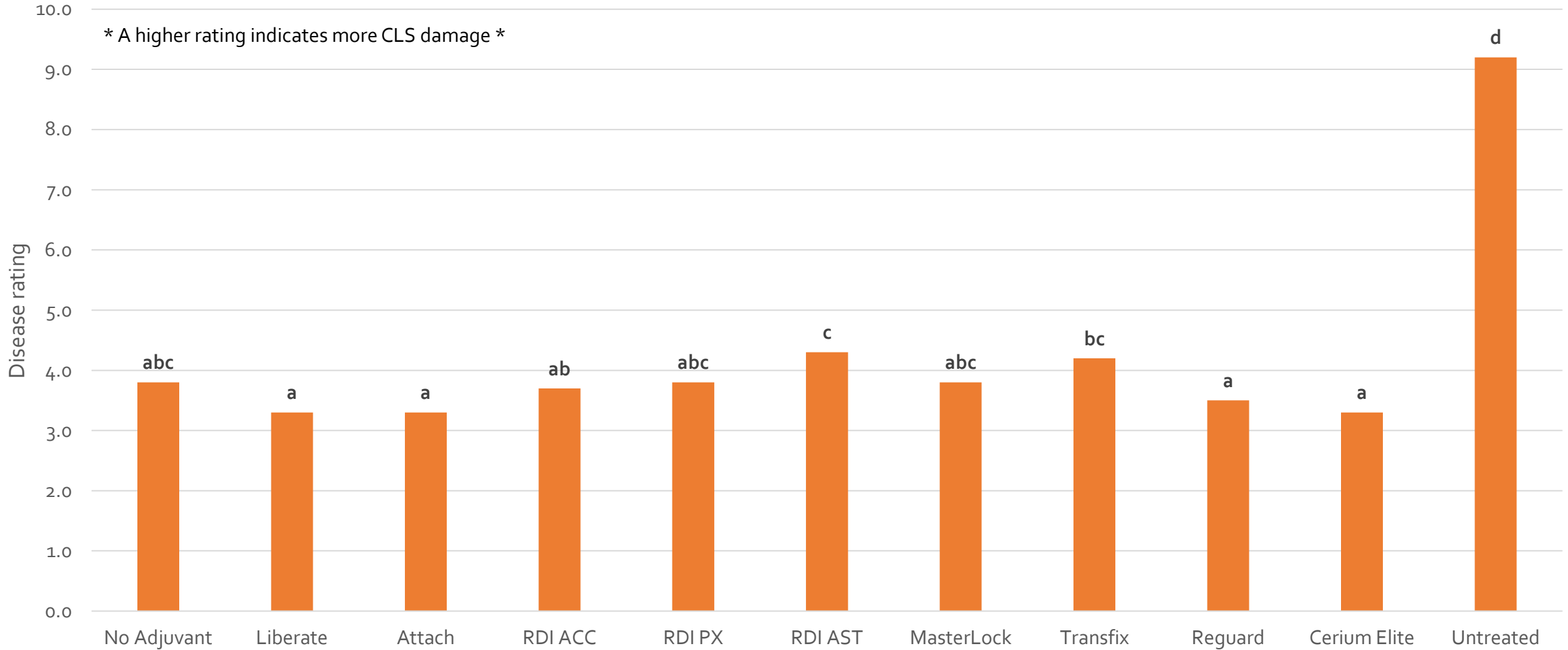
\*Treatments with the same letter are not statistically different\*

# Adjuvant Study



LSD (p=0.10): 0.64  
CV: 10.76

CLS Rating ~ September 2, 2020



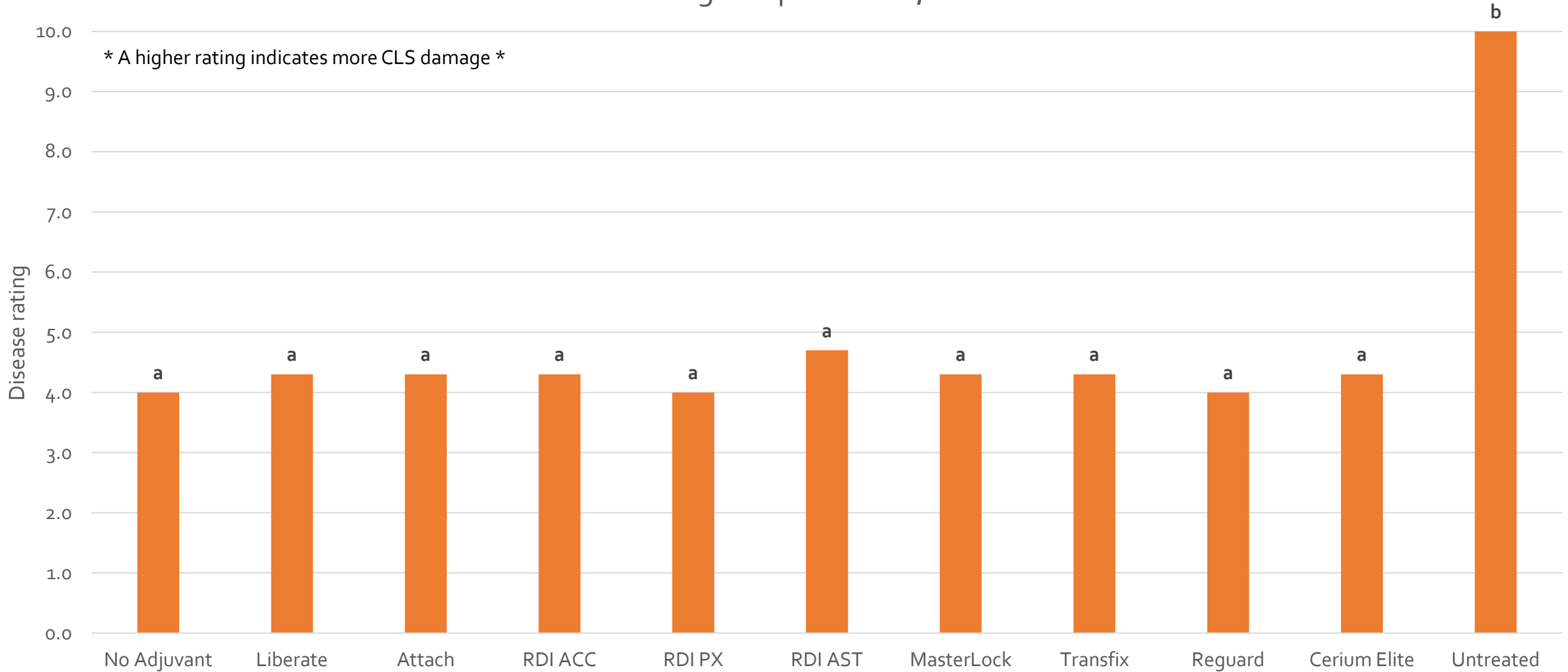
\*Treatments with the same letter are not statistically different\*

# Adjuvant Study



LSD (p=0.10): 0.79  
CV: 11.67

CLS Rating ~ September 8, 2020



\*Treatments with the same letter are not statistically different\*

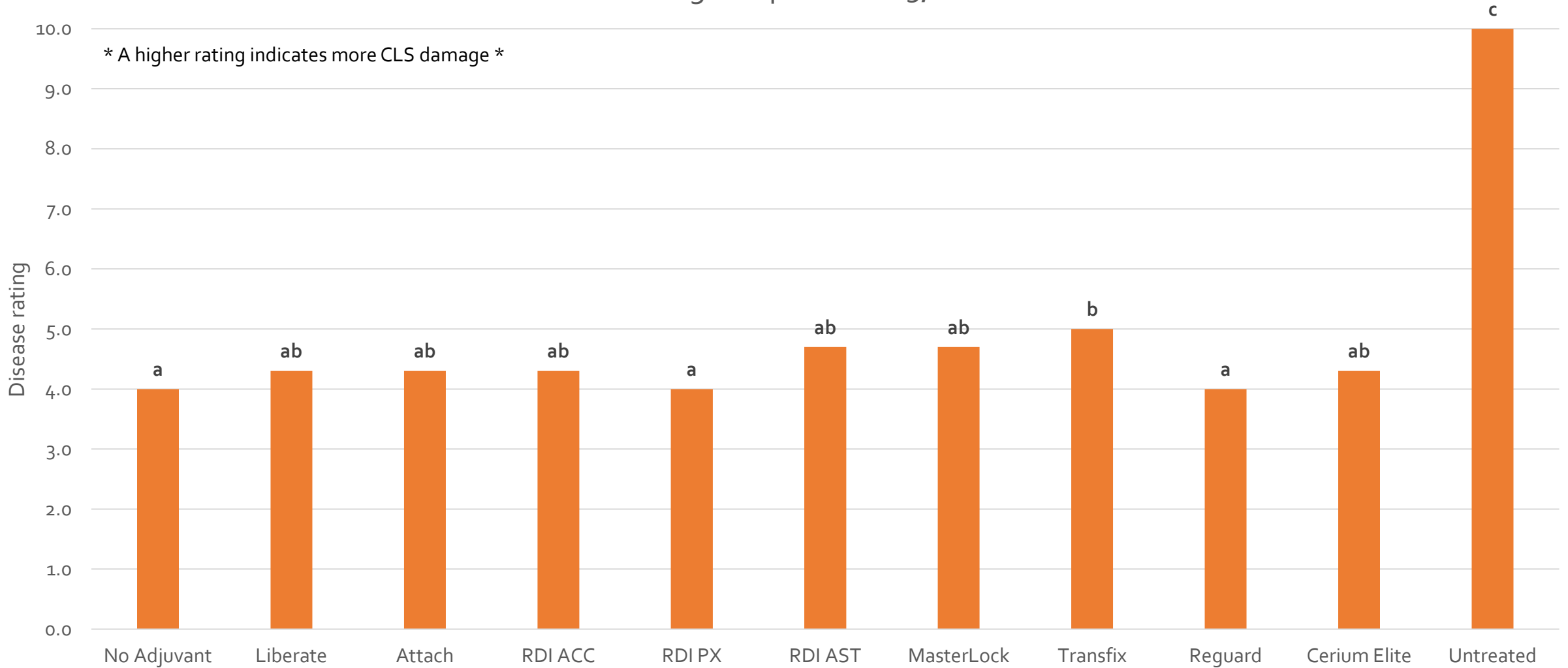


# Adjuvant Study

LSD (p=0.10): 0.76  
CV: 11.00



CLS Rating ~ September 15, 2020

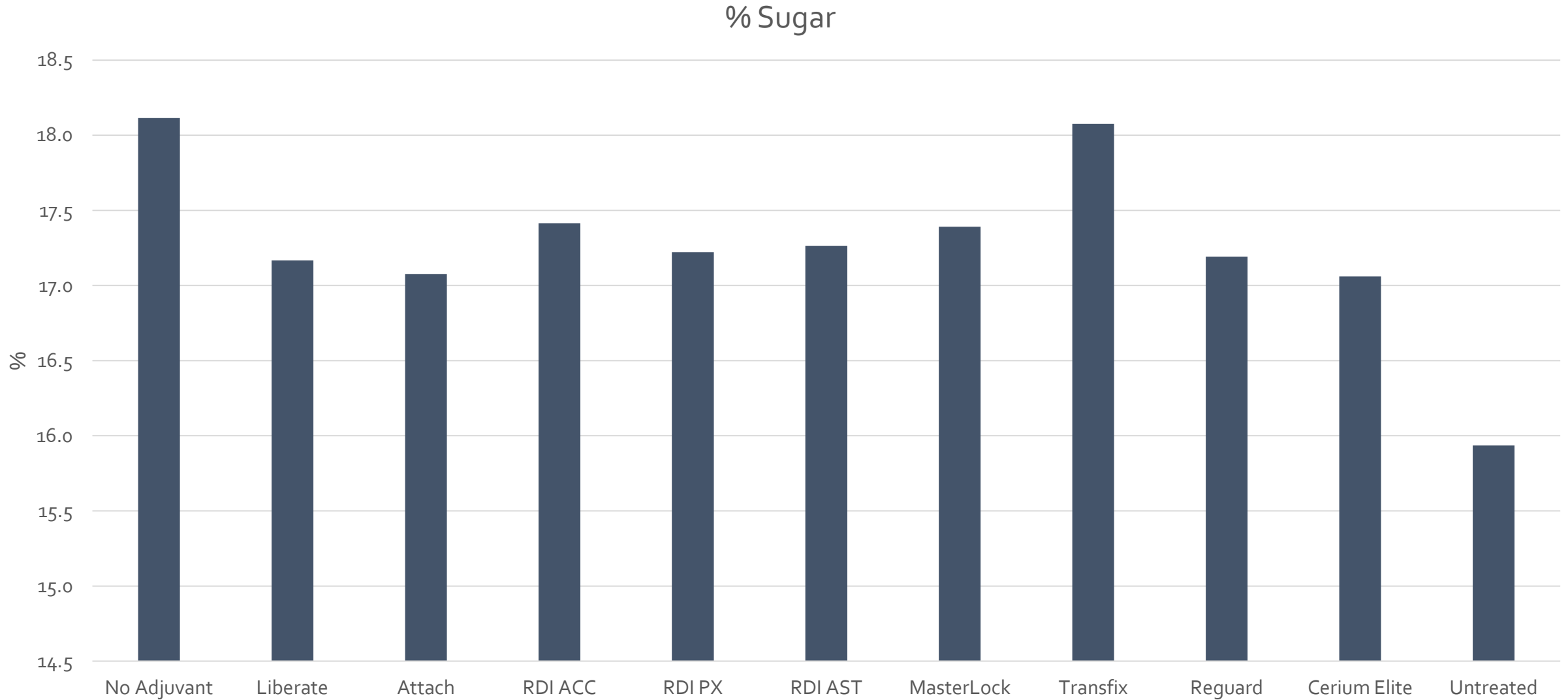


\*Treatments with the same letter are not statistically different\*

# Adjuvant Study

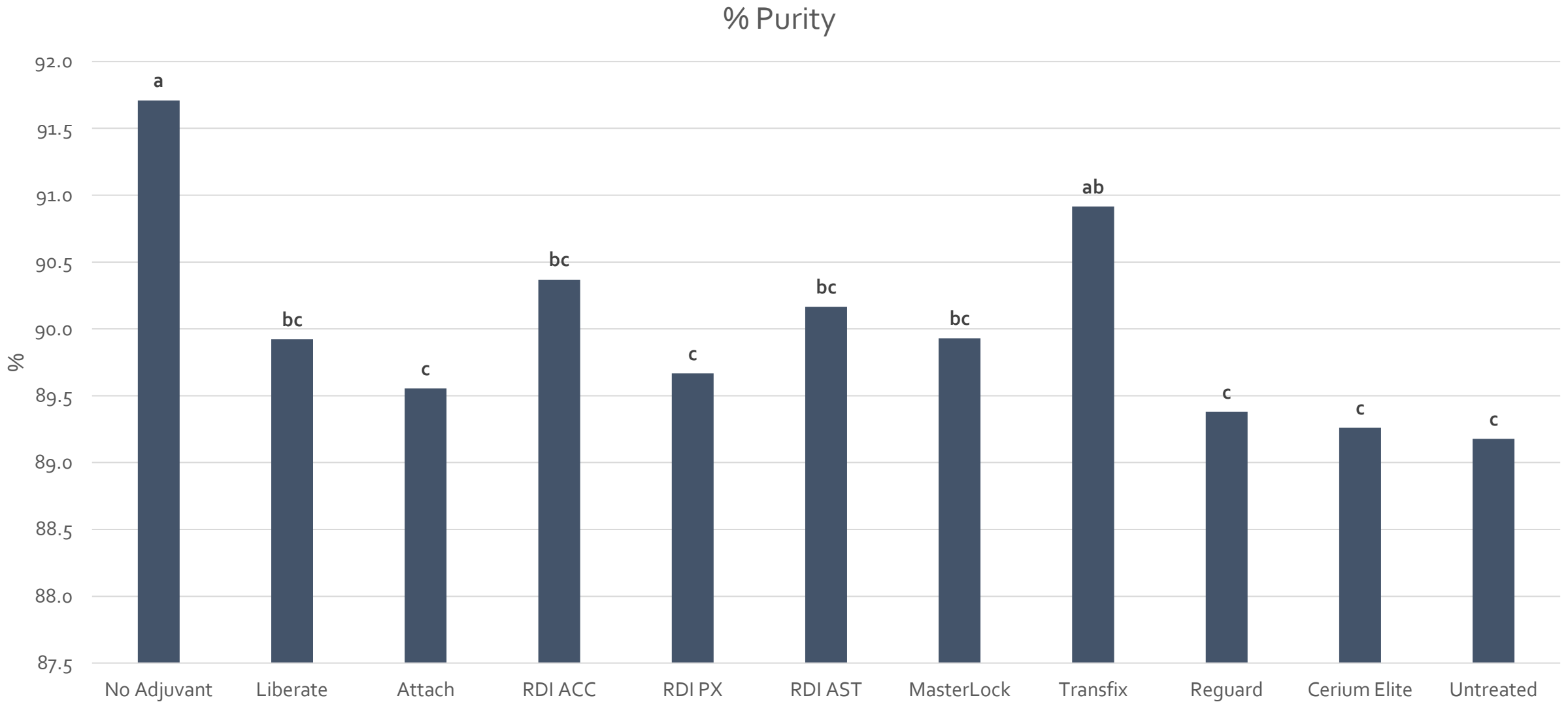


LSD (p=0.10): NS  
CV: 4.36



# Adjuvant Study

LSD (p=0.10): 1.24  
CV: 0.98



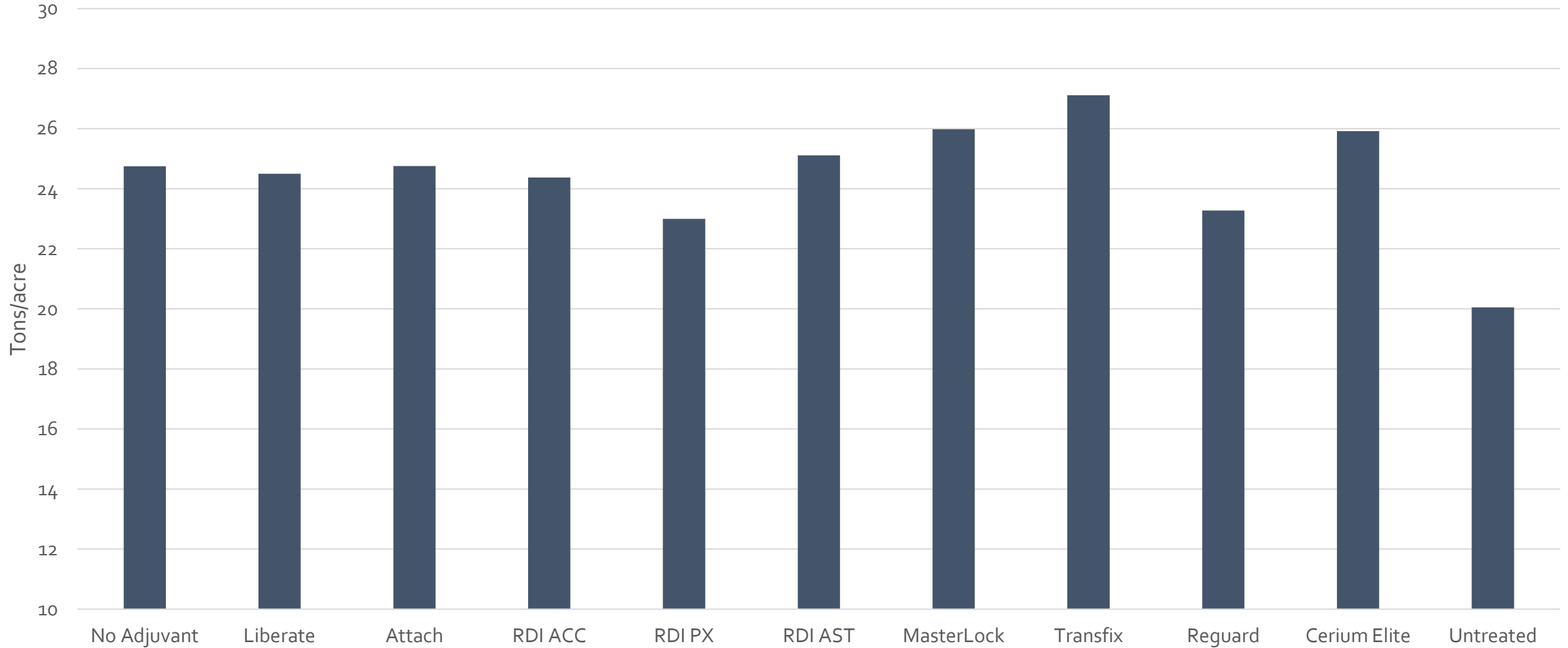
\*Treatments with the same letter are not statistically different\*

# Adjuvant Study



LSD (p=0.10): NS  
CV: 10.54

Root Yield

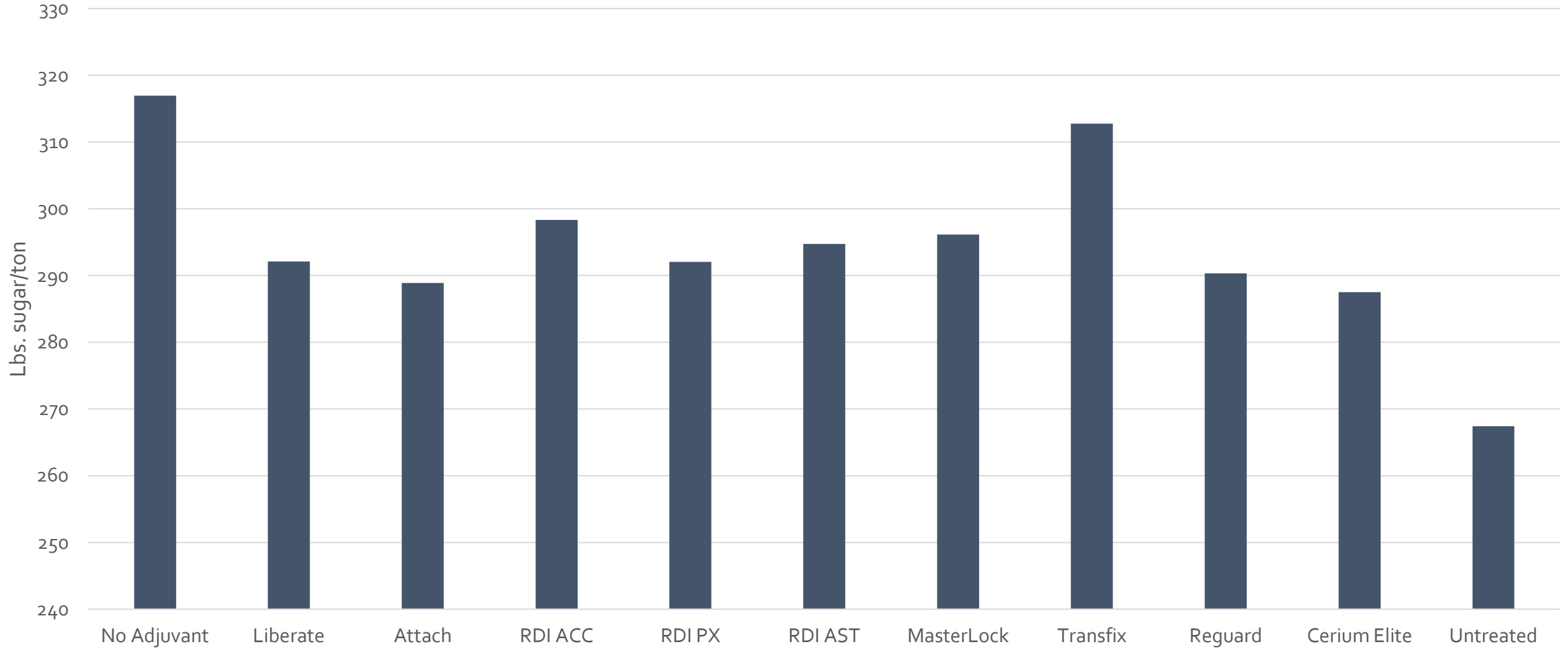


# Adjuvant Study



LSD (p=0.10): NS  
CV: 5.60

Recoverable Sugar per Ton



# Adjuvant Study



LSD (p=0.10): NS  
CV: 14.33

Recoverable Sugar per Acre

