

Trial Info.

- Planted: May 6, 2021
- Inoculated: June 30, 2021
- Harvested: September 22, 2021
- Location: Sec. 16, SE ¼; Foxhome Twp., Wilkin County
- Variety: SES 788 ~ CLS rating = 4.33
 - **TRADITIONAL VARIETY**
- 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.

- Seven fungicide applications were made, following the MDFC 'Traditional' fungicide program:
 1. Manzate Max
 2. Proline + Manzate Max + NIS
 3. AgriTin + Manzate Max
 4. Provysol + Badge SC
 5. AgriTin + Manzate Max
 6. Minerva + Badge SC
 7. AgriTin + Badge SC

**ALL – The adjuvant was added to each fungicide tank mix.*

**PROTECTANTS – The adjuvant was added to sprays 1, 3, 5, & 7.*

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



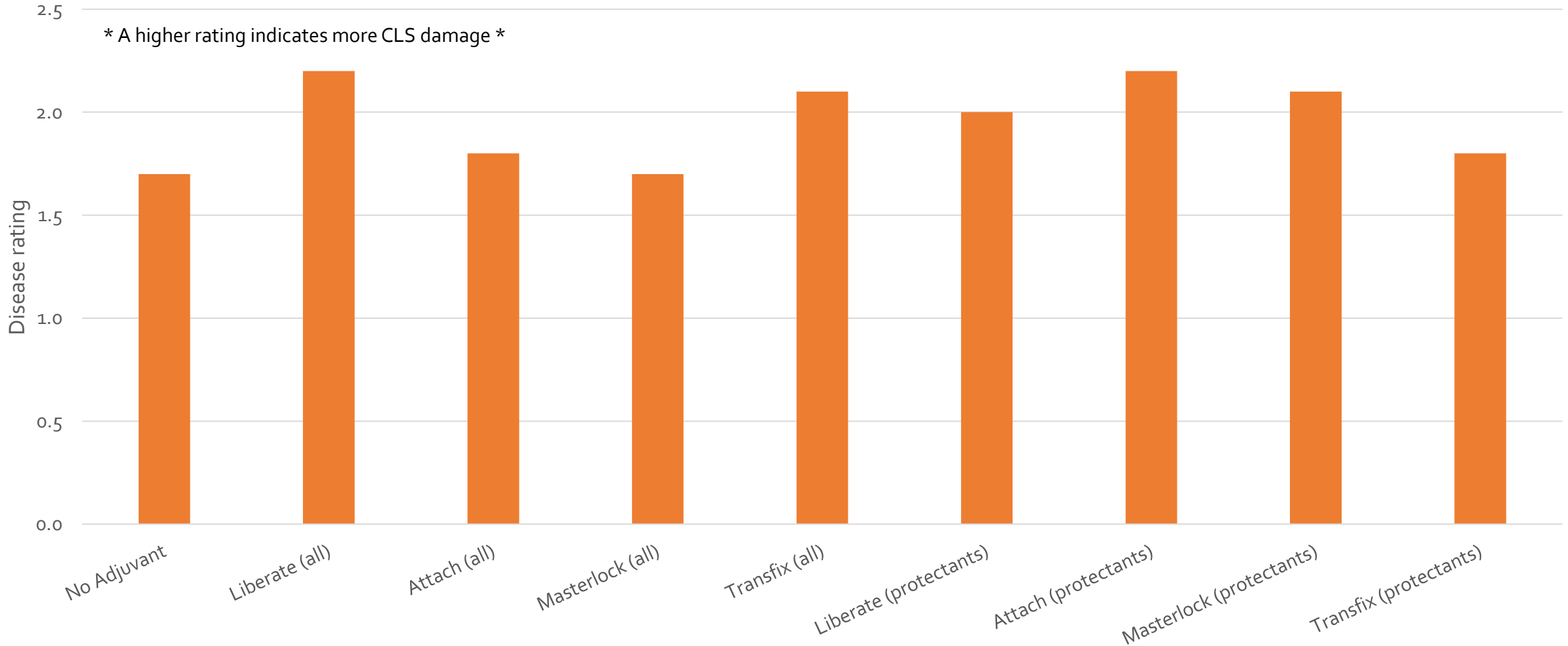
Category 10
50% severity

Adjuvant Study

LSD (p=0.10): NS
CV: 21.00



CLS Rating ~ August 4, 2021

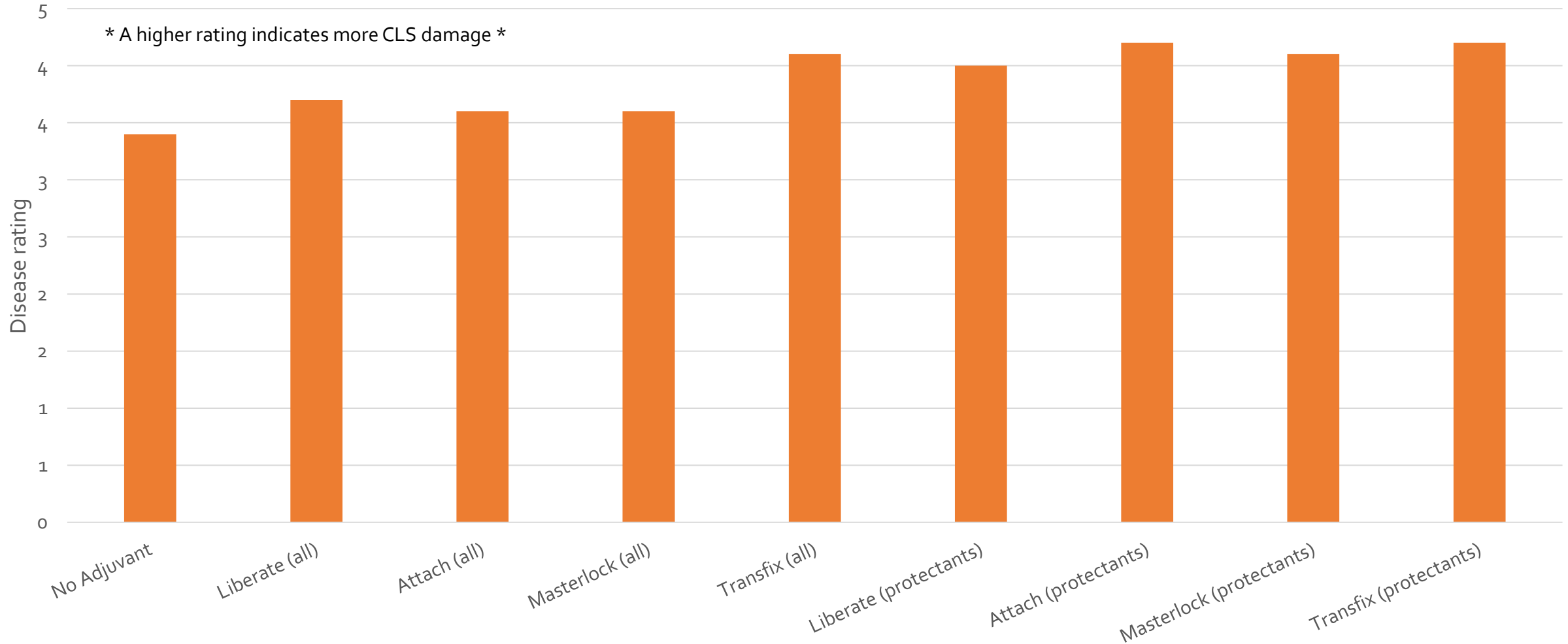


Adjuvant Study



LSD (p=0.10): NS
CV: 16.22

CLS Rating ~ August 11, 2021

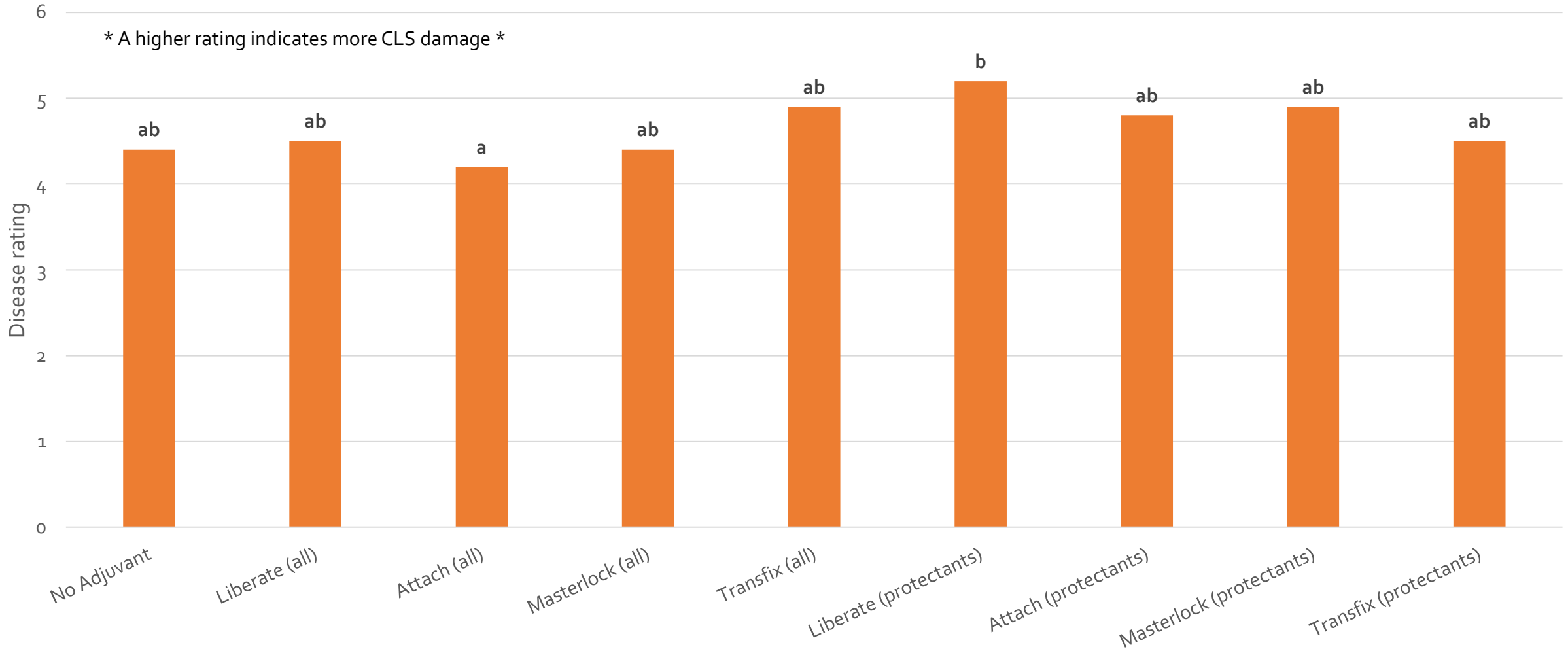


Adjuvant Study



LSD (p=0.10): 0.76
CV: 12.58

CLS Rating ~ August 19, 2021



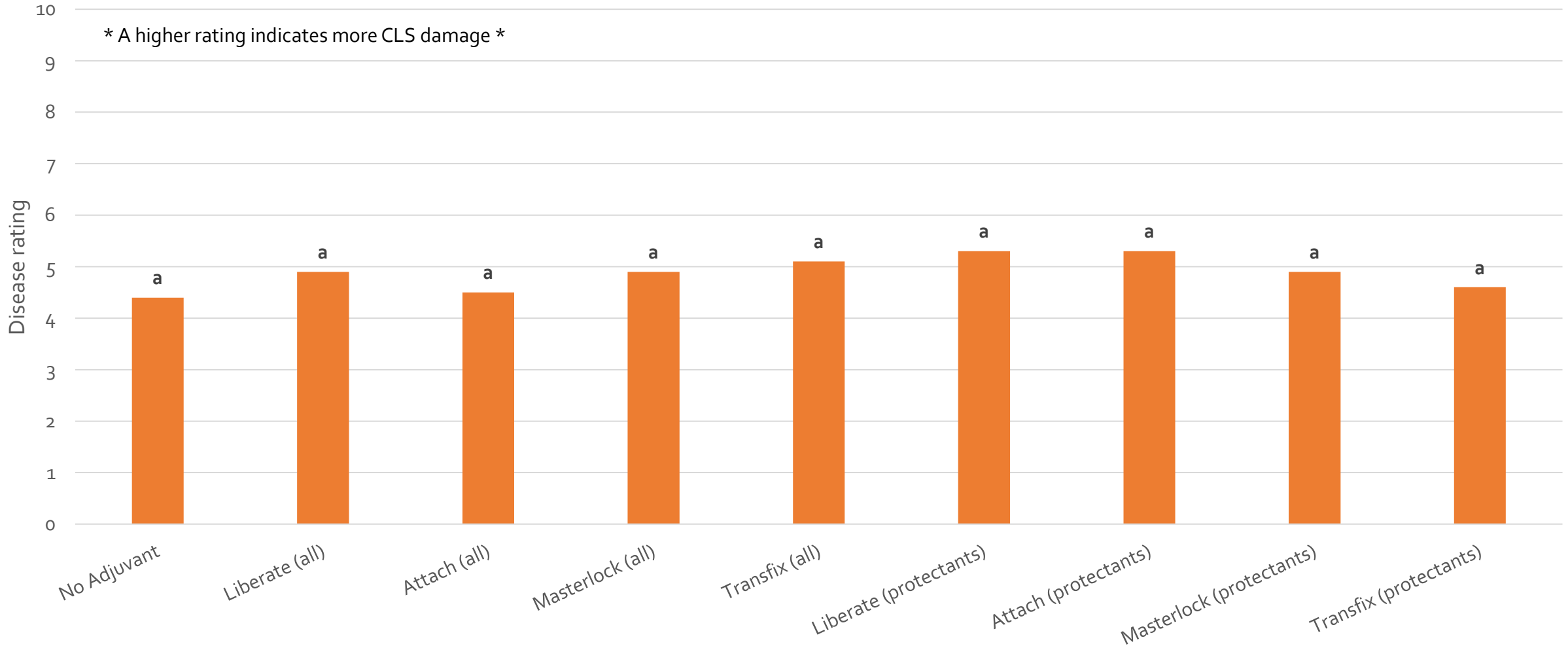
Treatments with the same letter are not statistically different

Adjuvant Study



LSD (p=0.10): NS
CV: 15.28

CLS Rating ~ August 25, 2021

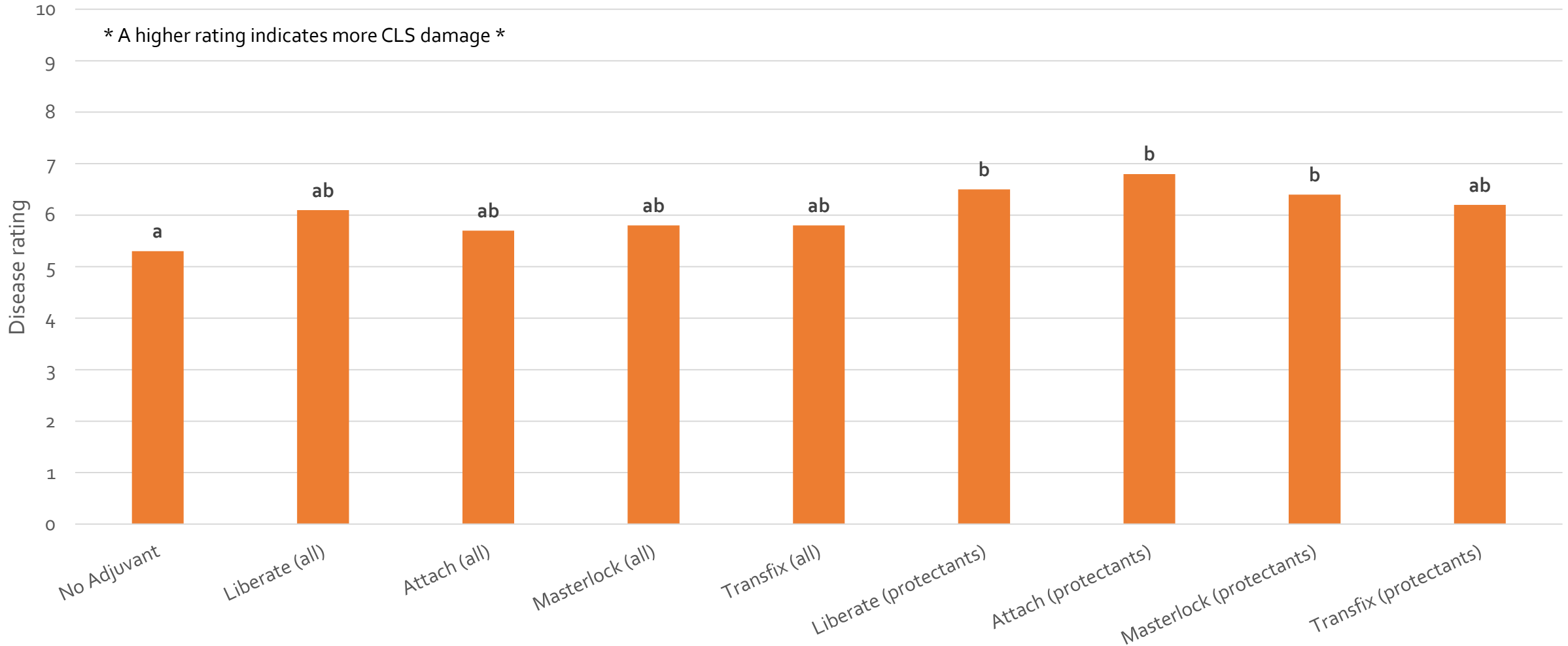


Adjuvant Study



LSD (p=0.10): 0.99
CV: 12.24

CLS Rating ~ September 3, 2021

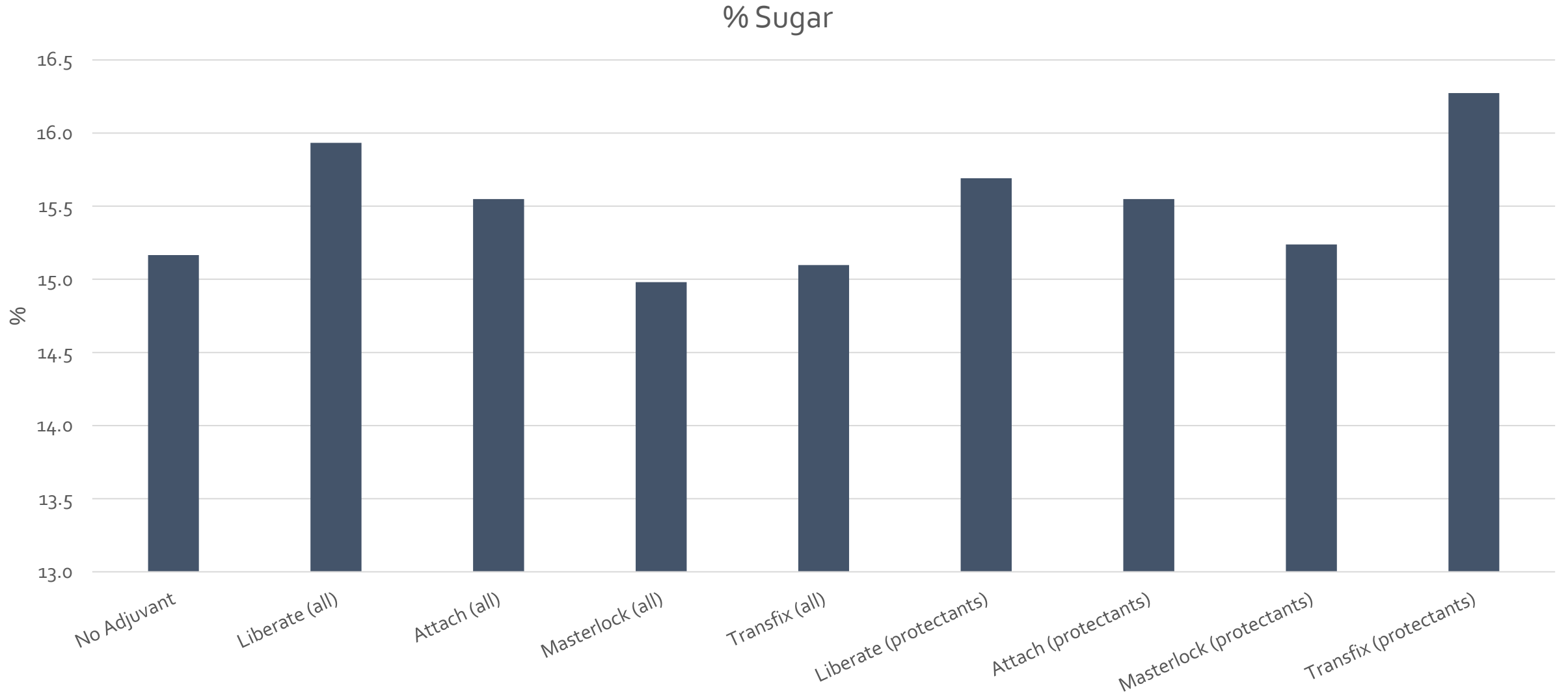


Treatments with the same letter are not statistically different

Adjuvant Study



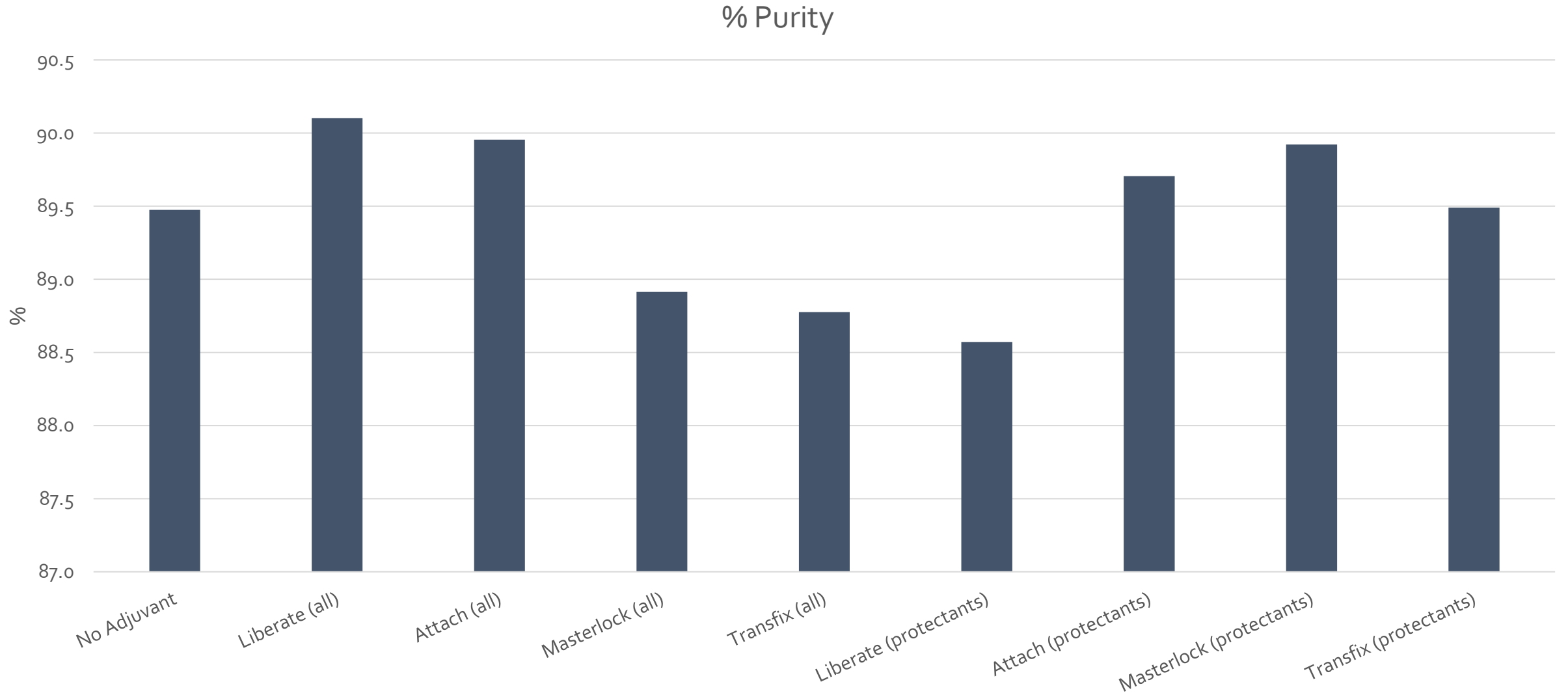
LSD (p=0.10): NS
CV: 4.71



Adjuvant Study



LSD (p=0.10): NS
CV: 1.26

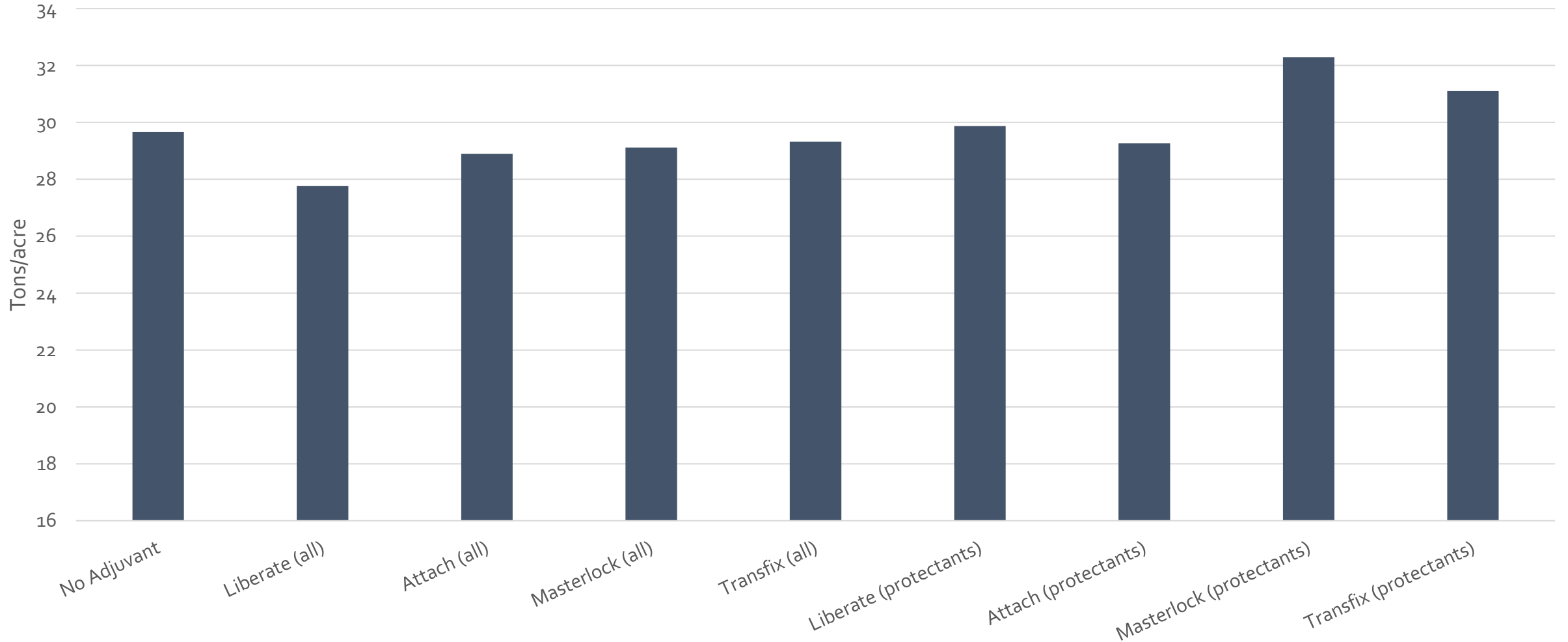


Adjuvant Study



LSD (p=0.10): NS
CV: 7.55

Root Yield

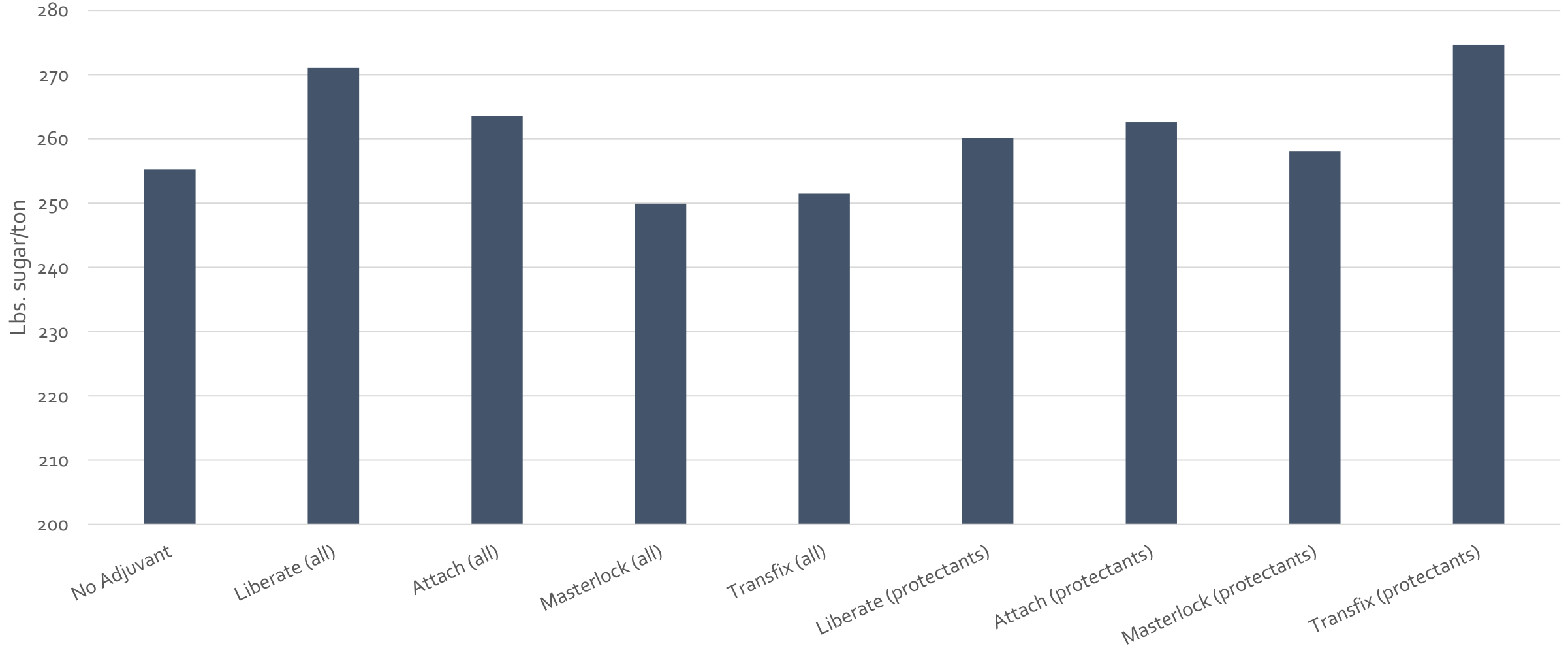


Adjuvant Study



LSD (p=0.10): NS
CV: 5.88

Recoverable Sugar per Ton



Adjuvant Study



LSD (p=0.10): NS
CV: 8.79

Recoverable Sugar per Acre

