

# 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 effectiveness of a fungicide tank mix relating to sugarbeet yield and quality.
- Fungicide applications followed a 10-12 day interval, unless weather necessitated otherwise.

# Treatment List

- **MDFC Program:**

- Priaxor + NIS
- Provysol + Badge
- SuperTin + Manzate
- Proline + Badge + NIS
- SuperTin + Manzate
- Badge (high rate)

- **MDFC Inverse Program:**

- Priaxor + NIS
- SuperTin + Manzate
- Provysol + Badge
- SuperTin + Manzate
- Proline + Badge + NIS
- Badge (high rate)

- **MDFC No Early:**

- Provysol + Badge
- SuperTin + Manzate
- Proline + Badge + NIS
- SuperTin + Manzate
- Badge (high rate)

- **MDFC Program + Sulfur:**

- Priaxor + NIS + Kumulus DF
- Provysol + Badge + Kumulus DF
- SuperTin + Manzate + Kumulus DF
- Proline + Badge + NIS + Kumulus DF
- SuperTin + Manzate + Kumulus DF
- Badge (high rate) + Kumulus DF

# Treatment List

- **ET-F:**

- Priaxor + NIS
- Inspire + ET-F
- SuperTin + Manzate
- Proline + ET-F + NIS
- SuperTin + Manzate
- Badge (high rate)

- **Fertileader Copper:**

- Priaxor + NIS
- Provysol + Fertileader Copper
- SuperTin + Manzate
- Proline + Fertileader Copper + NIS
- SuperTin + Manzate
- Badge (high rate)

- **Lucento:**

- Priaxor + NIS
- Lucento + Badge
- SuperTin + Manzate
- Proline + Badge + NIS
- SuperTin + Manzate
- Badge (high rate)

- **Provysol Early:**

- Provysol + Badge
- SuperTin + Manzate
- Proline + Badge + NIS
- SuperTin + Manzate
- Badge (high rate)
- Manzate

# Treatment List



- **Certis:**

- Priaxor + NIS
- Double Nickel LC
- SuperTin + Manzate
- Double Nickel LC
- SuperTin + Manzate
- Badge (high rate)

- **Untreated:**

- \*No fungicides were sprayed\*

# 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



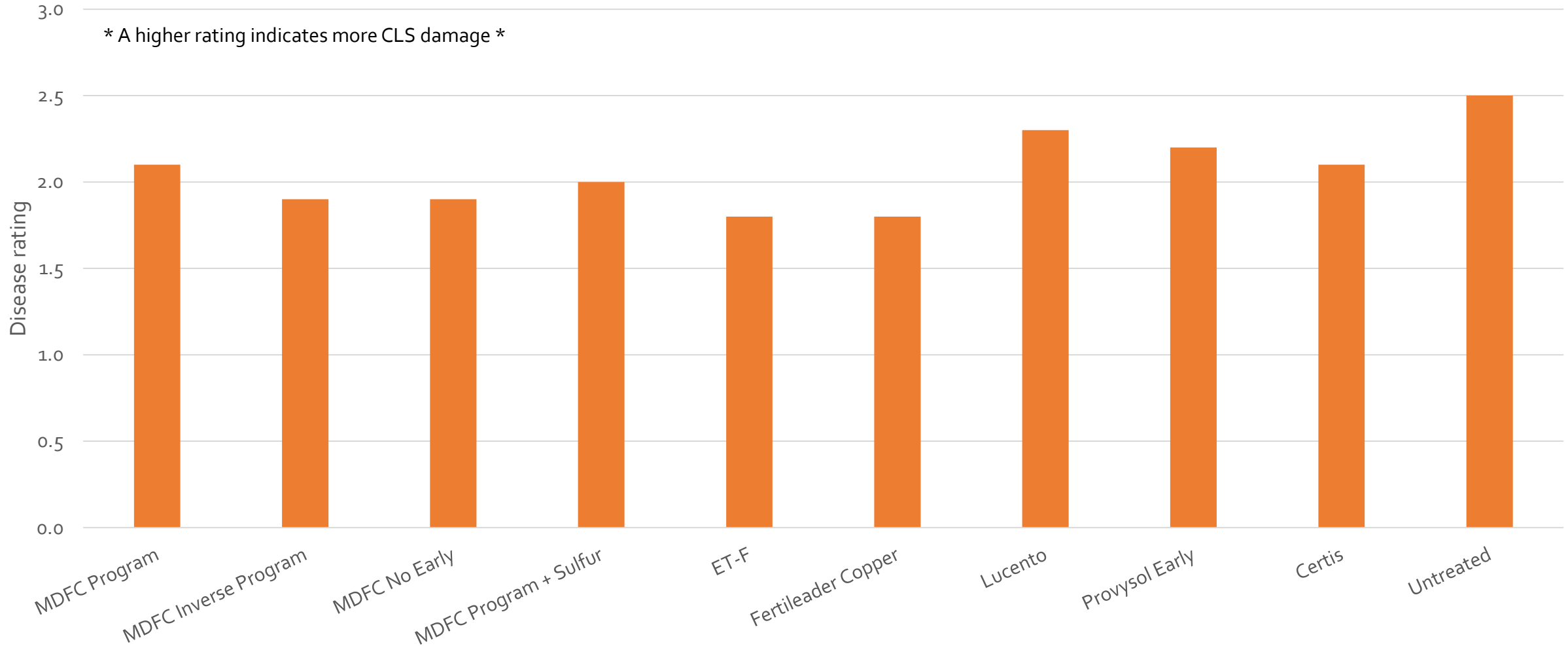
**Category 10**  
50% severity

# CLS Program



LSD (p=0.10): NS  
CV: 18.64

CLS Rating ~ August 11, 2020

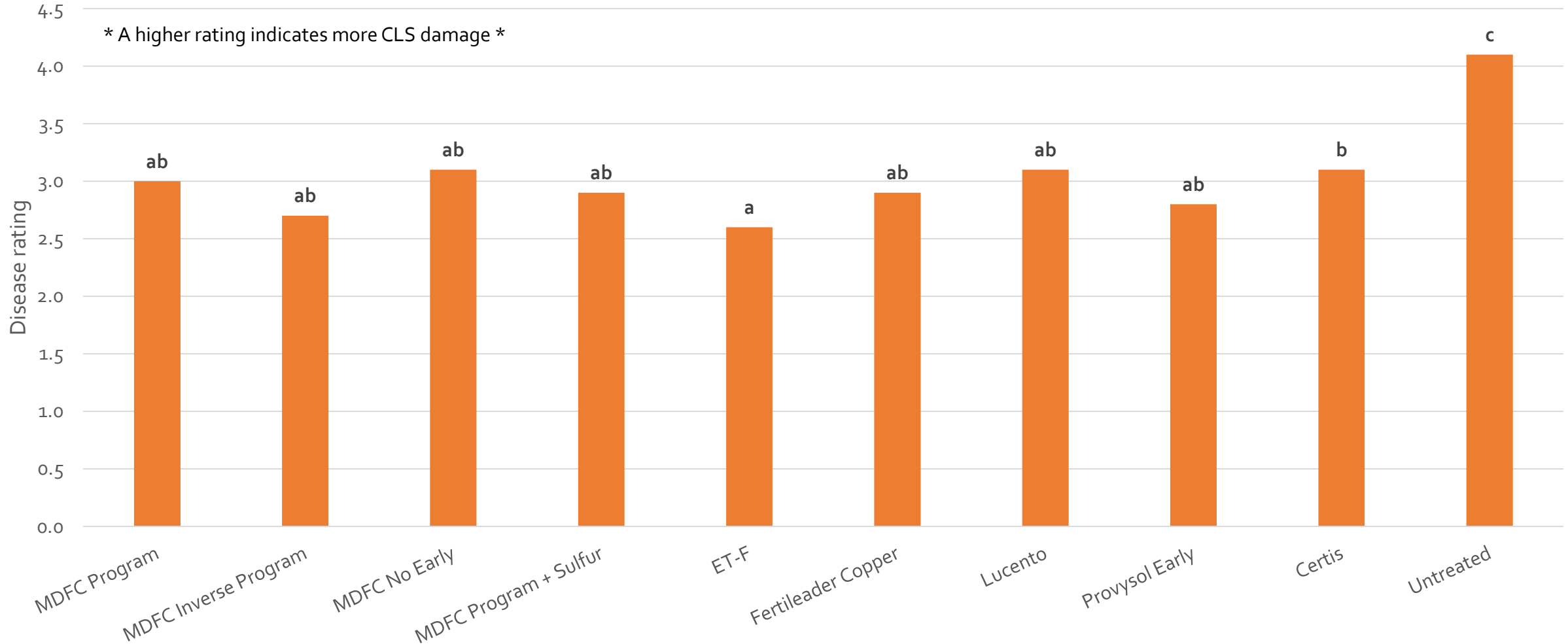


# CLS Program



LSD (p=0.10): 0.46  
CV: 12.71

CLS Rating ~ August 19, 2020



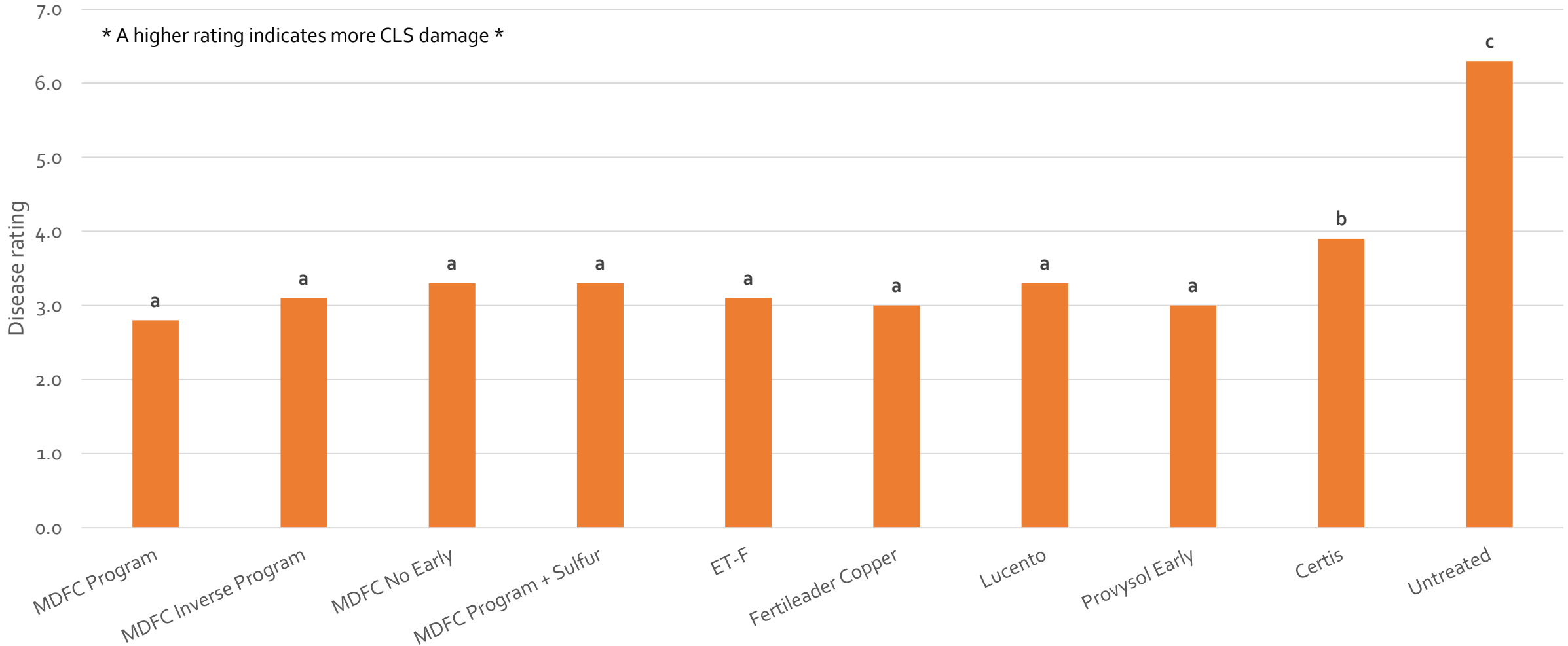
\*Treatments with the same letter are not statistically different\*

# CLS Program



LSD (p=0.10): 0.60  
CV: 14.28

CLS Rating ~ August 26, 2020



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

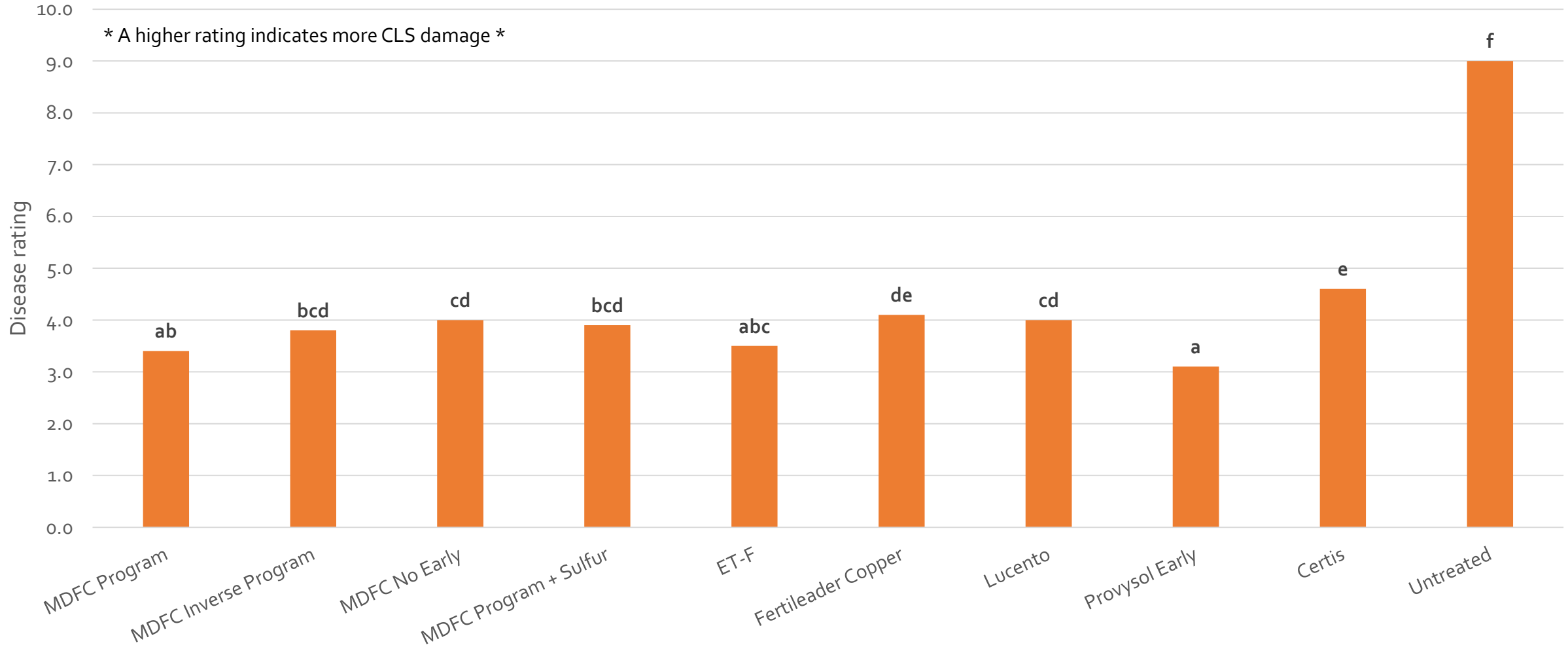


# CLS Program



LSD (p=0.10): 0.52  
CV: 9.99

CLS Rating ~ September 2, 2020



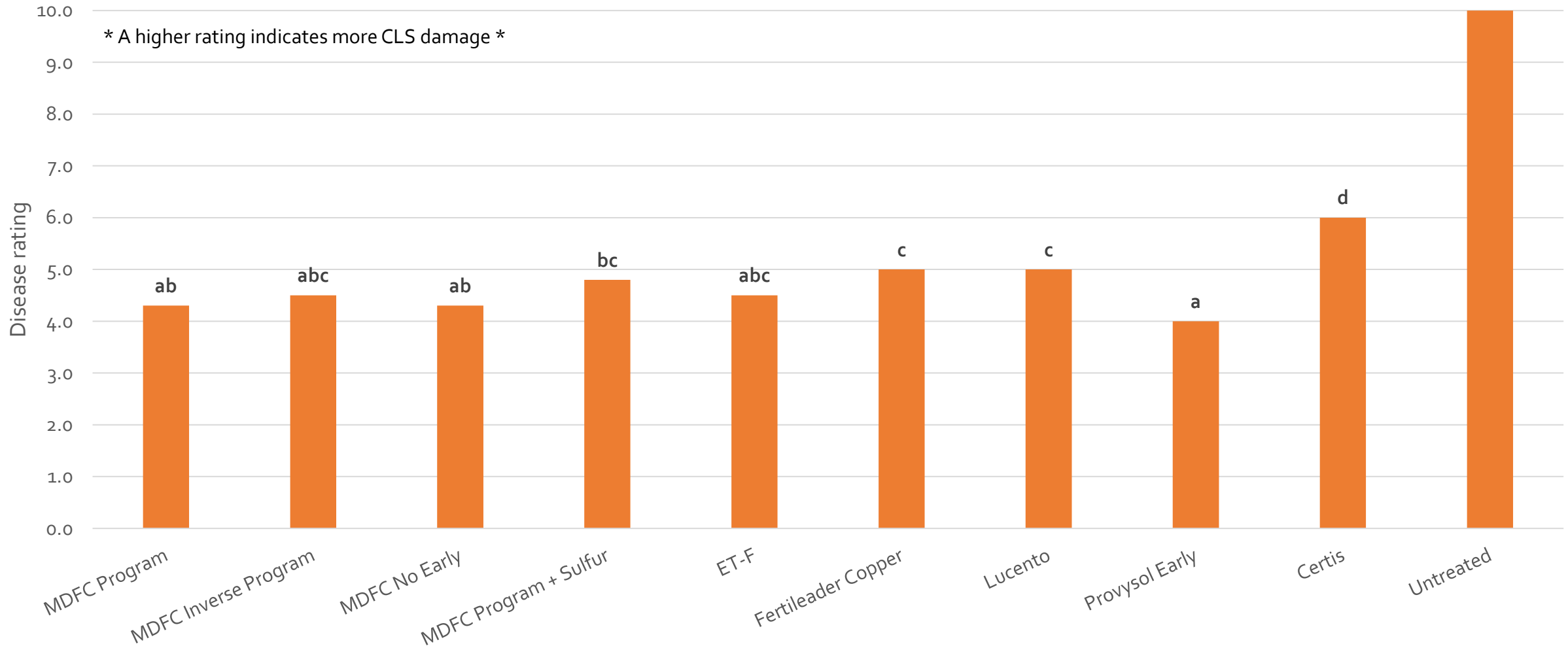
\*Treatments with the same letter are not statistically different\*

# CLS Program



LSD (p=0.10): 0.69  
CV: 11.03

CLS Rating ~ September 8, 2020



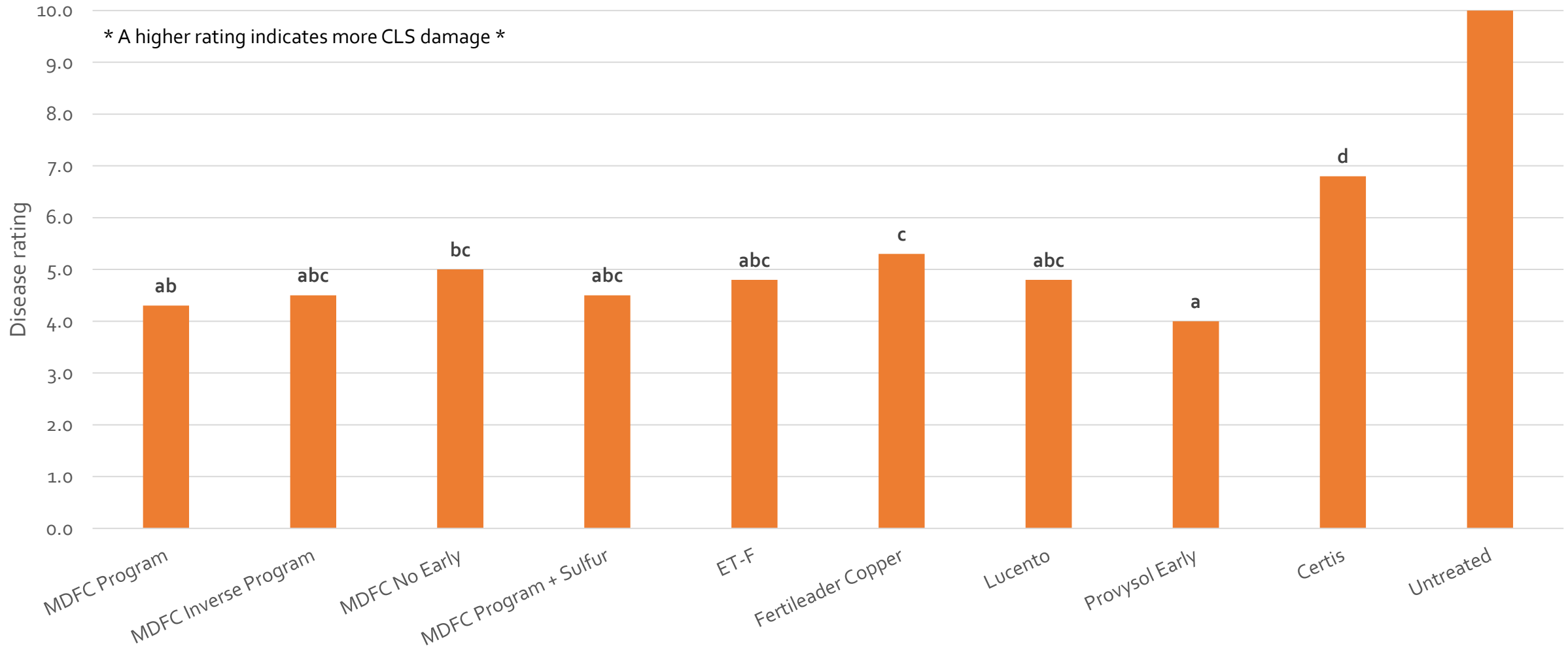
\*Treatments with the same letter are not statistically different\*

# CLS Program



LSD (p=0.10): 0.96  
CV: 14.88

CLS Rating ~ September 15, 2020

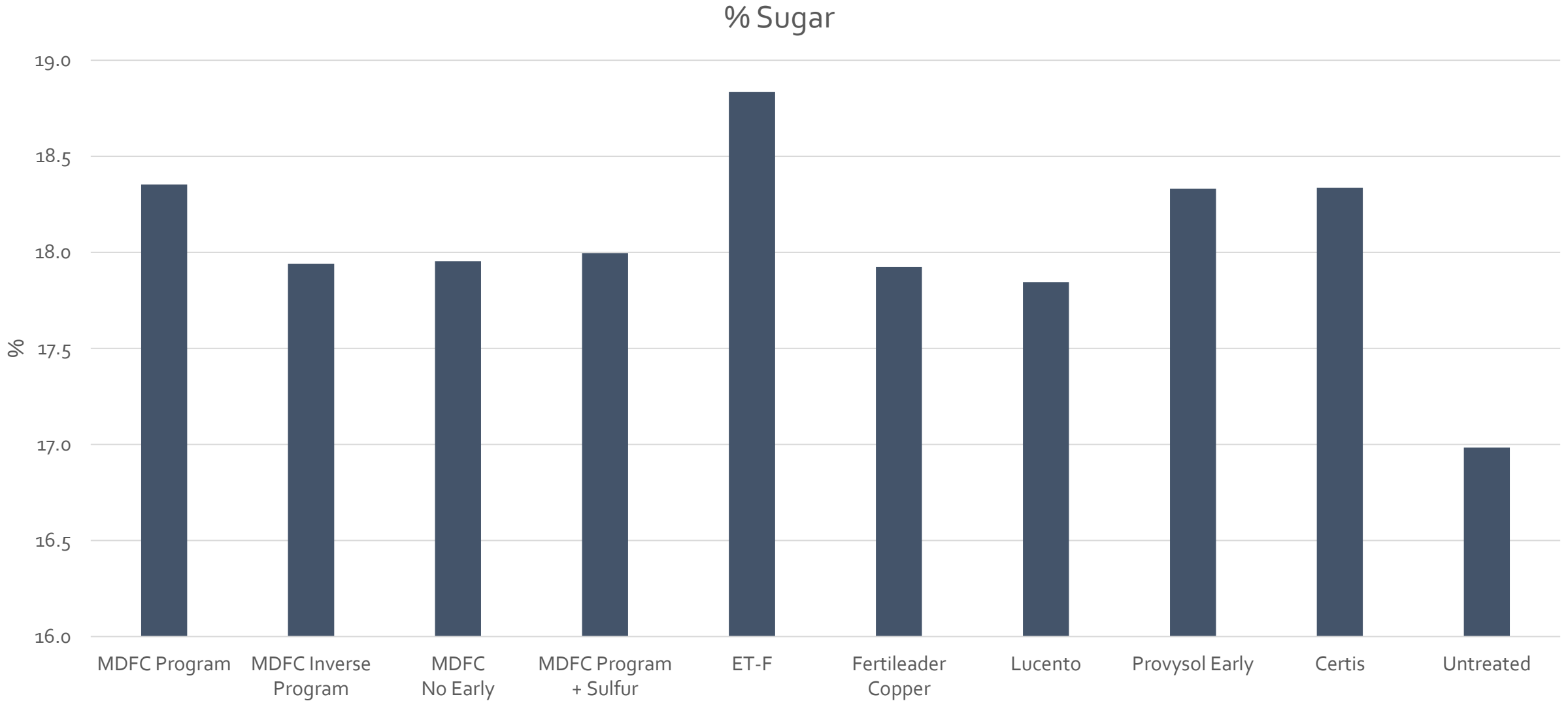


\*Treatments with the same letter are not statistically different\*

# CLS Program



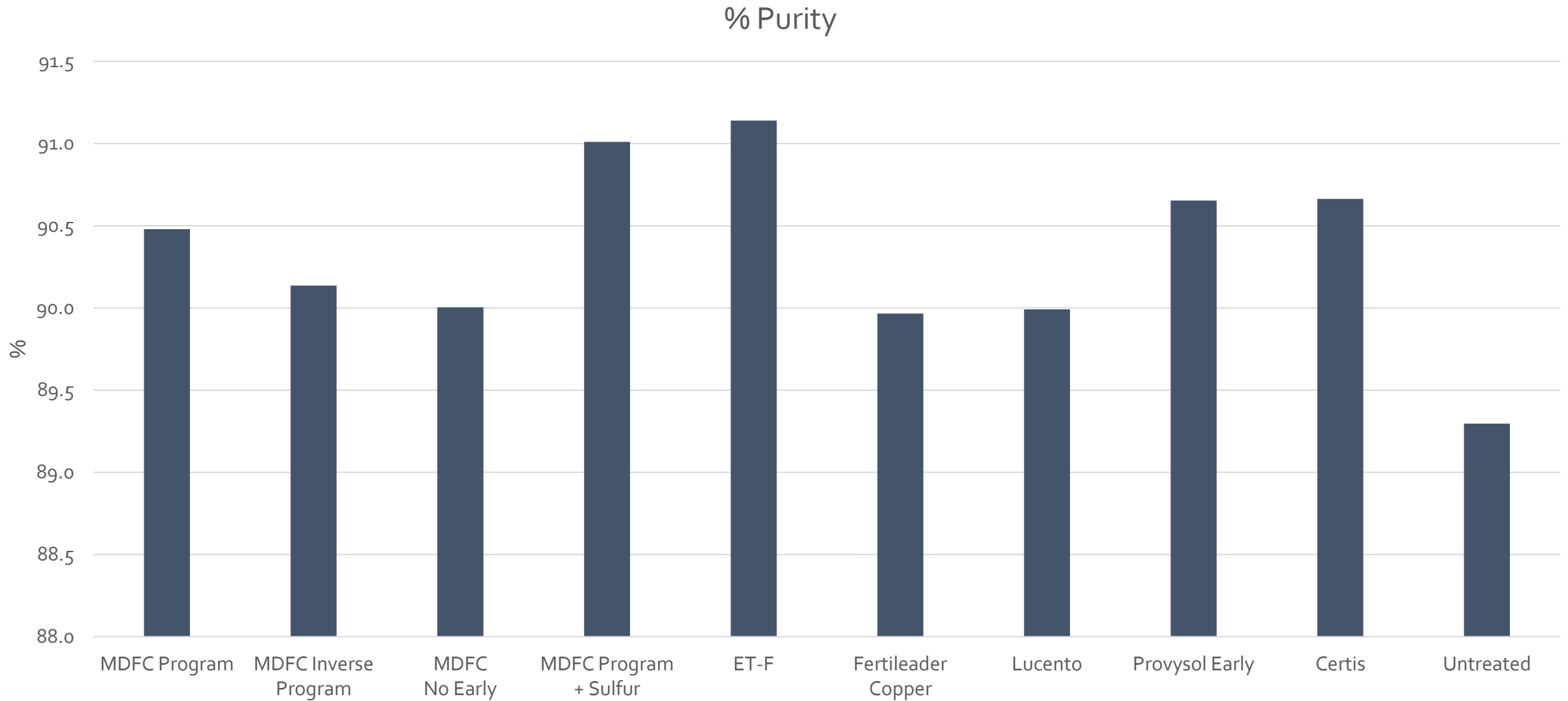
LSD (p=0.10): NS  
CV: 4.39



# CLS Program



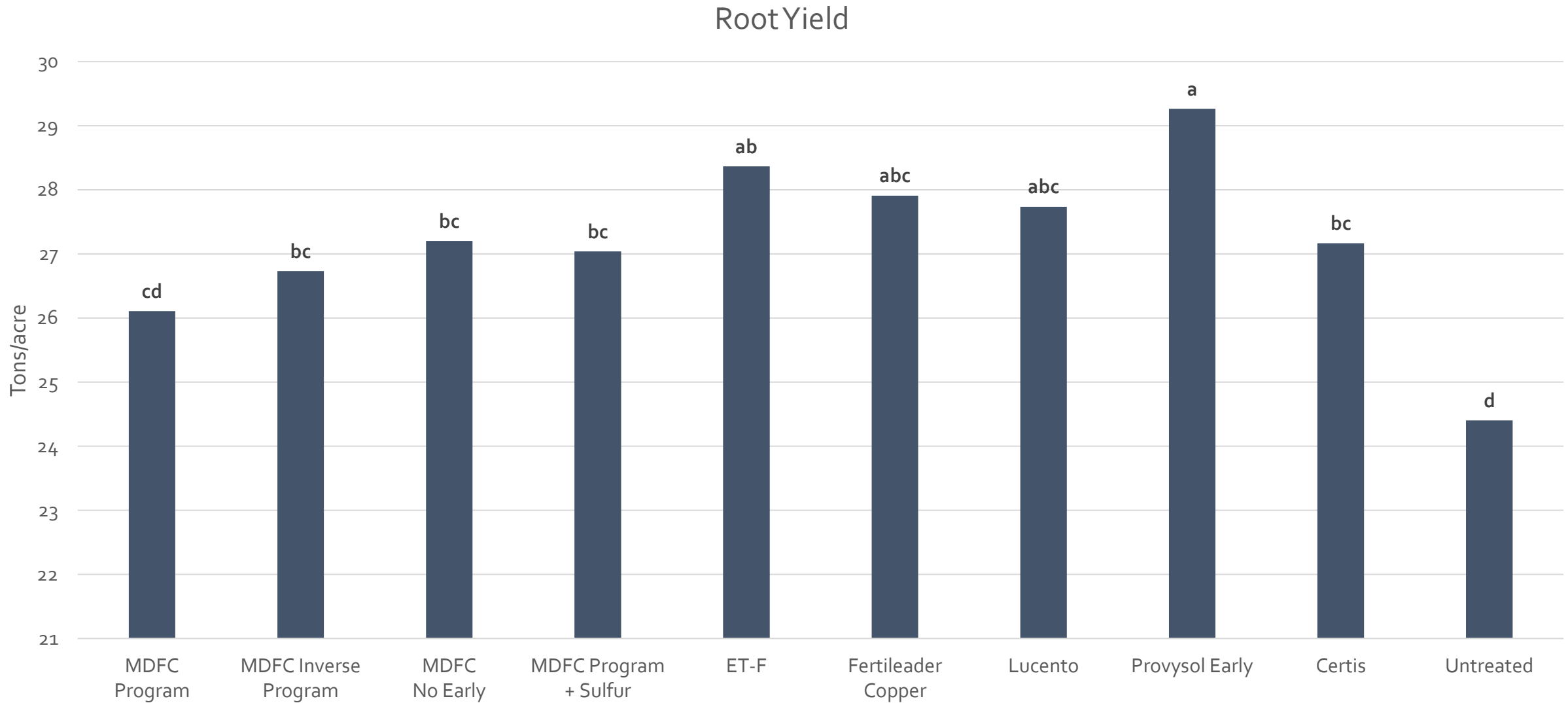
LSD (p=0.10): NS  
CV: 1.12



# CLS Program



LSD (p=0.10): 1.89  
CV: 5.74



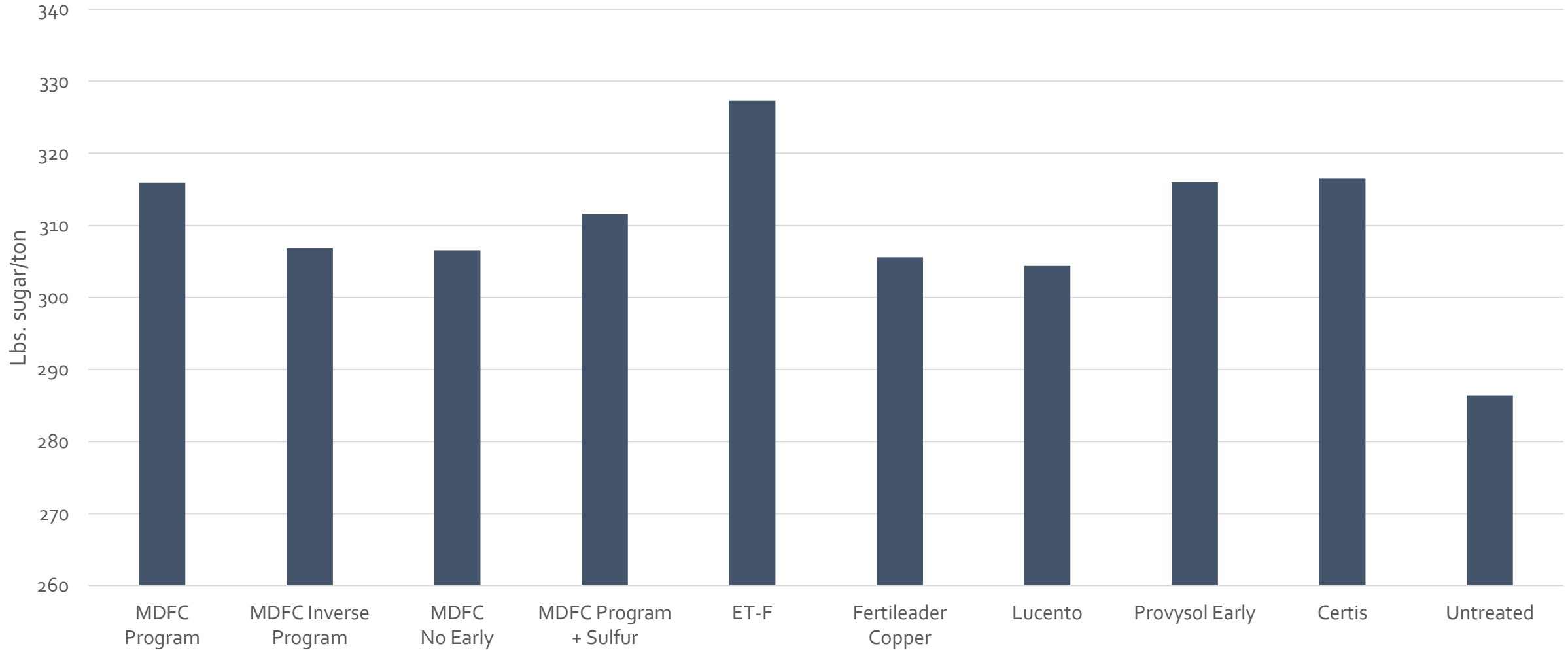
\*Treatments with the same letter are not statistically different\*

# CLS Program



LSD (p=0.10): NS  
CV: 5.73

Recoverable Sugar per Ton

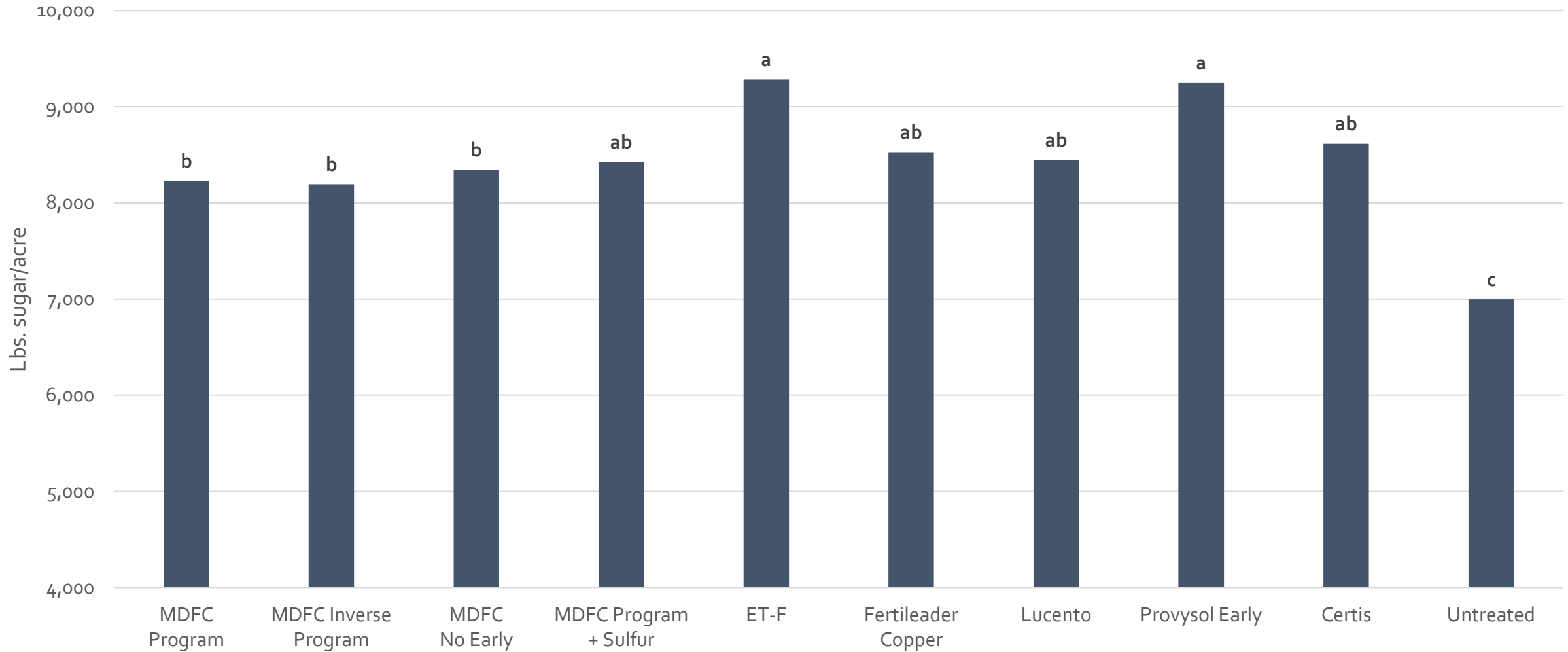


# CLS Program



LSD (p=0.10): 866.23  
CV: 8.53

## Recoverable Sugar per Acre



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