

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 830

Trial Info.

- Objective: Determine the effectiveness of a fungicide tank mix relating to sugarbeet yield and quality.
- Due to a late planting date and subsequent delayed row closure, this trial was not inoculated until later in the season.
- Fungicide applications began one week after inoculation (unless noted) and followed a 10-12 day spray interval.

Treatment List

- **MDFC Program:**

- Super Tin + ManKocide
- Provysol + Badge
- Super Tin + Manzate
- Proline + Badge + NIS

- **MDFC Inverse Program:**

- Provysol + Badge
- Super Tin + Manzate
- Proline + Badge + NIS
- Super Tin + Manzate

- **No Tank Mix:**

- Super Tin
- Provysol
- Super Tin
- Proline + NIS

- **Before Inoculation:**

- Manzate (prior to inoculation)
- Super Tin + ManKocide
- Provysol + Badge
- Super Tin + Manzate
- Proline + Badge + NIS

Treatment List

- **Fertileader:**

- Super Tin + ManKocide
- Provysol + Fertileader Copper
- Super Tin + Manzate
- Proline + Fertileader Copper + NIS

- **LifeGard:**

- Super Tin + ManKocide + LifeGard
- LifeGard + Badge
- Super Tin + Manzate
- LifeGard + Badge

- **Biological:**

- Super Tin + ManKocide
- Provysol + Biological
- Super Tin + Manzate
- Proline + Biological + NIS

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

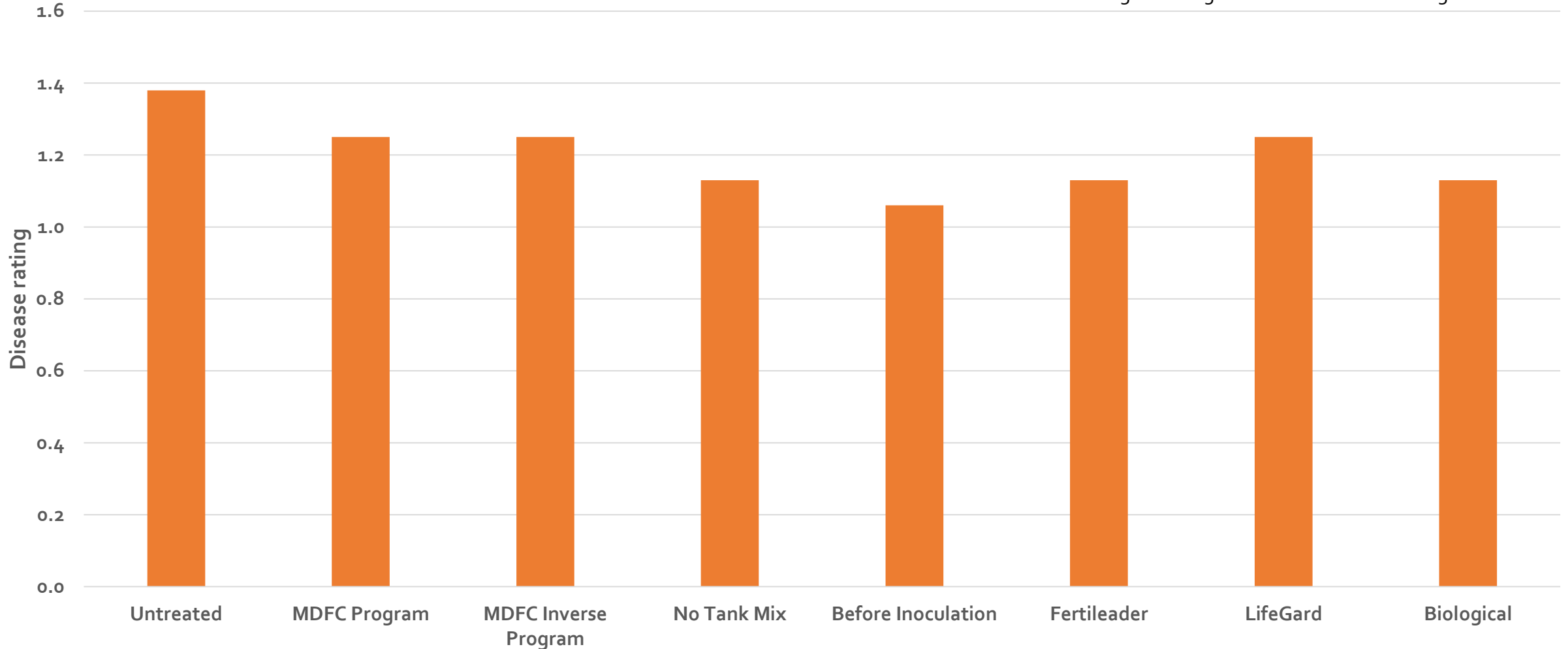
CLS Program Comparison



LSD ($p=0.10$): NS
CV: 14.55

CLS Rating ~ August 16, 2019

* A higher rating indicates more CLS damage *



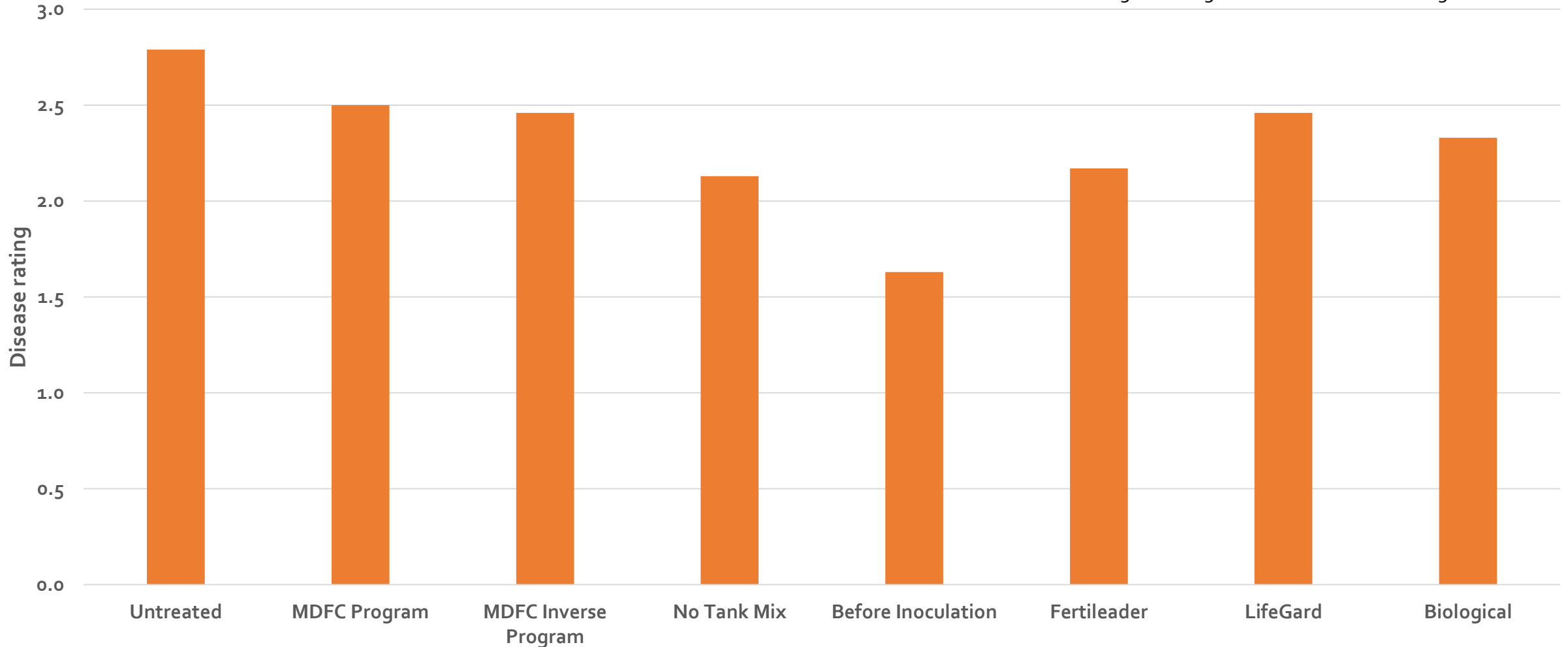
CLS Program Comparison



LSD (p=0.10): NS
CV: 23.49

CLS Rating ~ August 22, 2019

* A higher rating indicates more CLS damage *



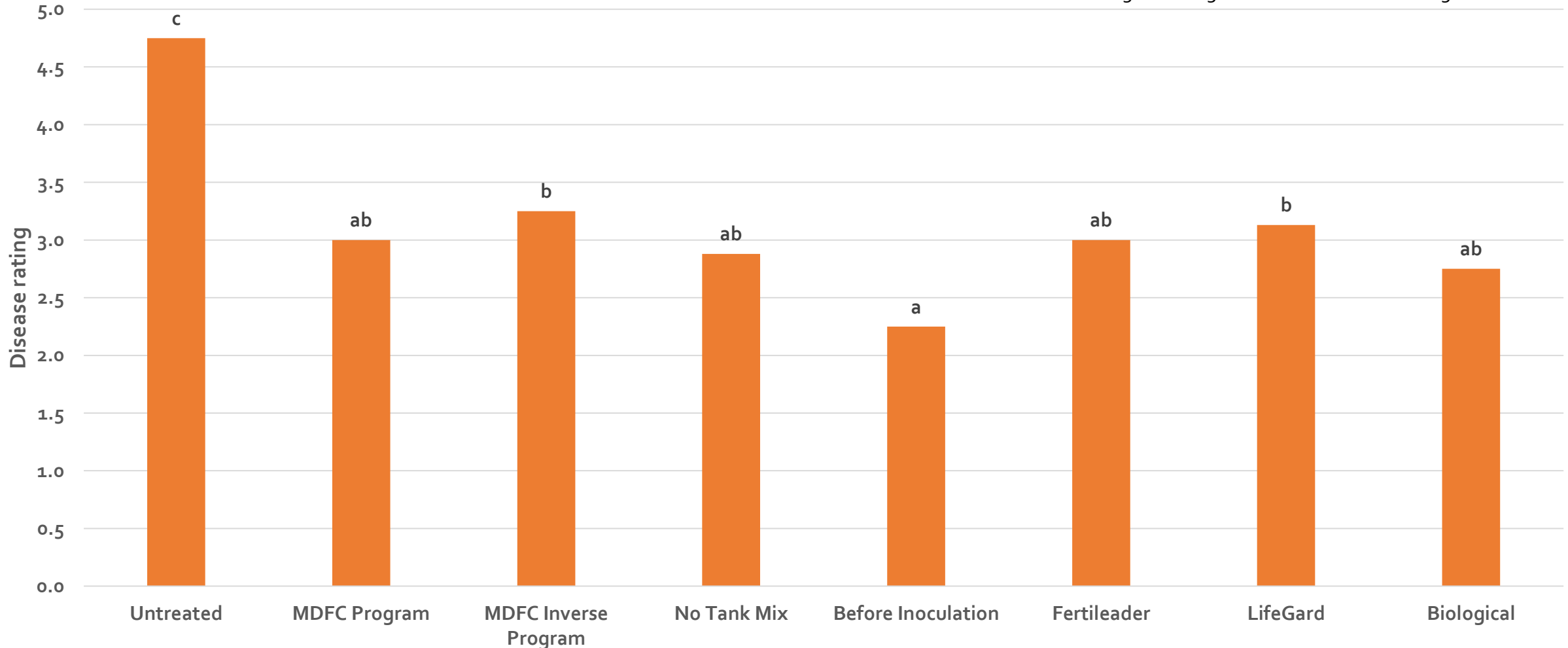
CLS Program Comparison



LSD (p=0.10): 0.84
CV: 22.15

CLS Rating ~ September 6, 2019

* A higher rating indicates more CLS damage *



Treatments with the same letter are not statistically different

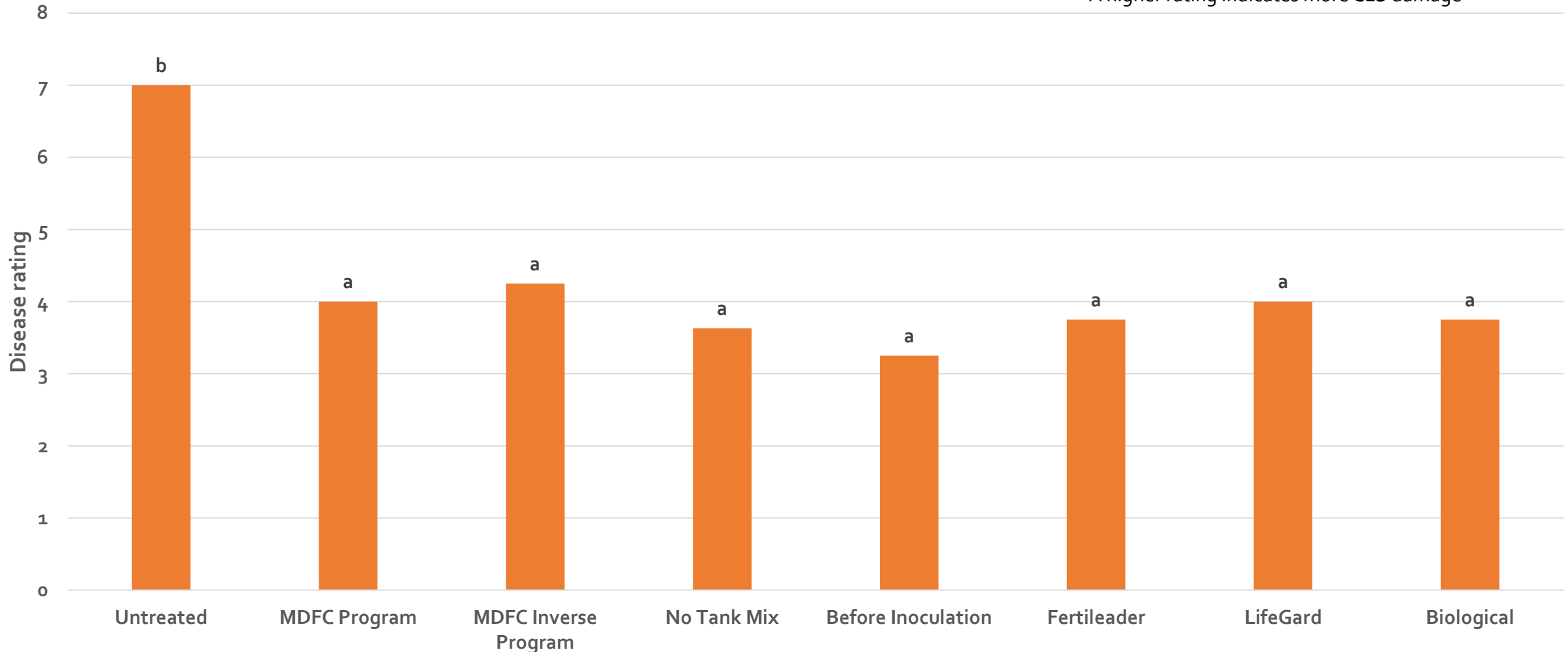
CLS Program Comparison



LSD (p=0.10): 1.03
CV: 20.09

CLS Rating ~ September 18, 2019

* A higher rating indicates more CLS damage *



Treatments with the same letter are not statistically different

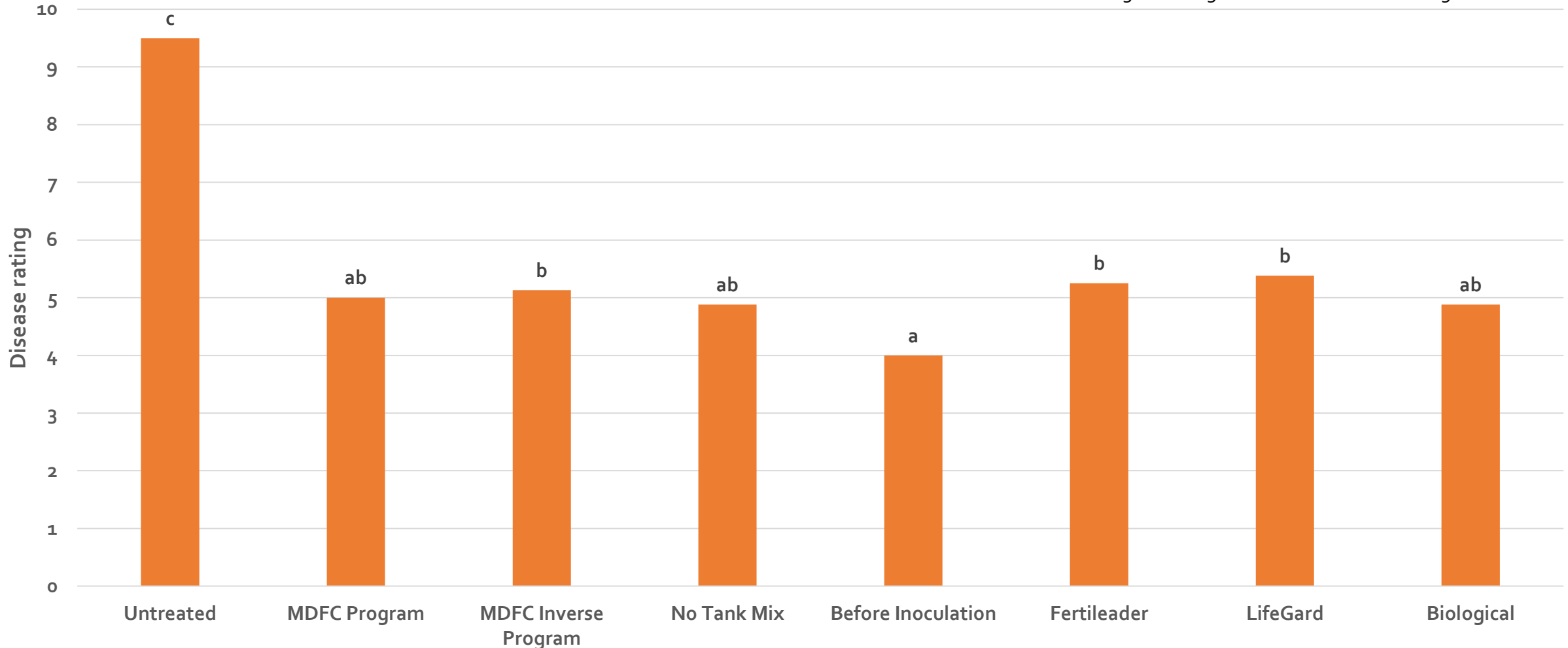
CLS Program Comparison



LSD (p=0.10): 1.00
CV: 14.98

CLS Rating ~ September 26, 2019

* A higher rating indicates more CLS damage *

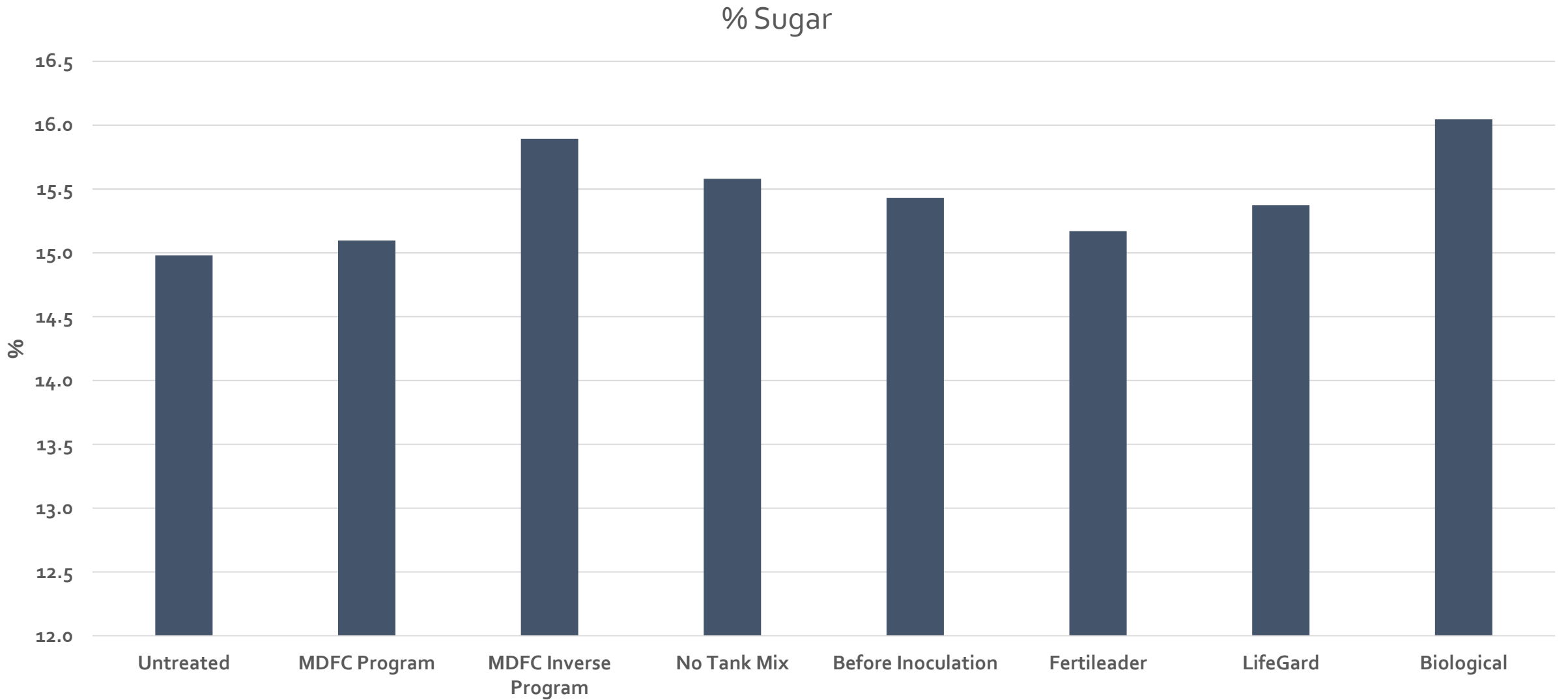


Treatments with the same letter are not statistically different

CLS Program Comparison



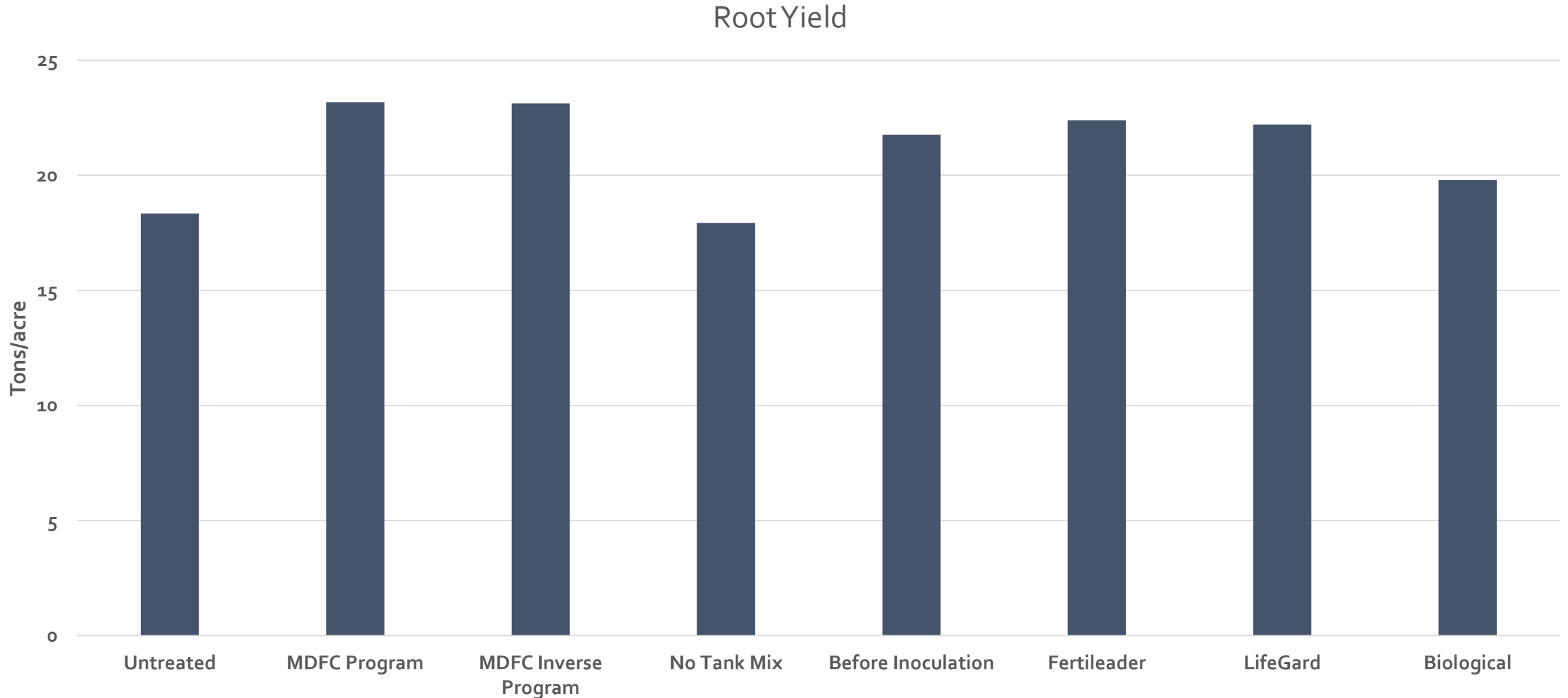
LSD (p=0.10): NS
CV: 4.04



CLS Program Comparison



LSD (p=0.10): NS
CV: 19.95

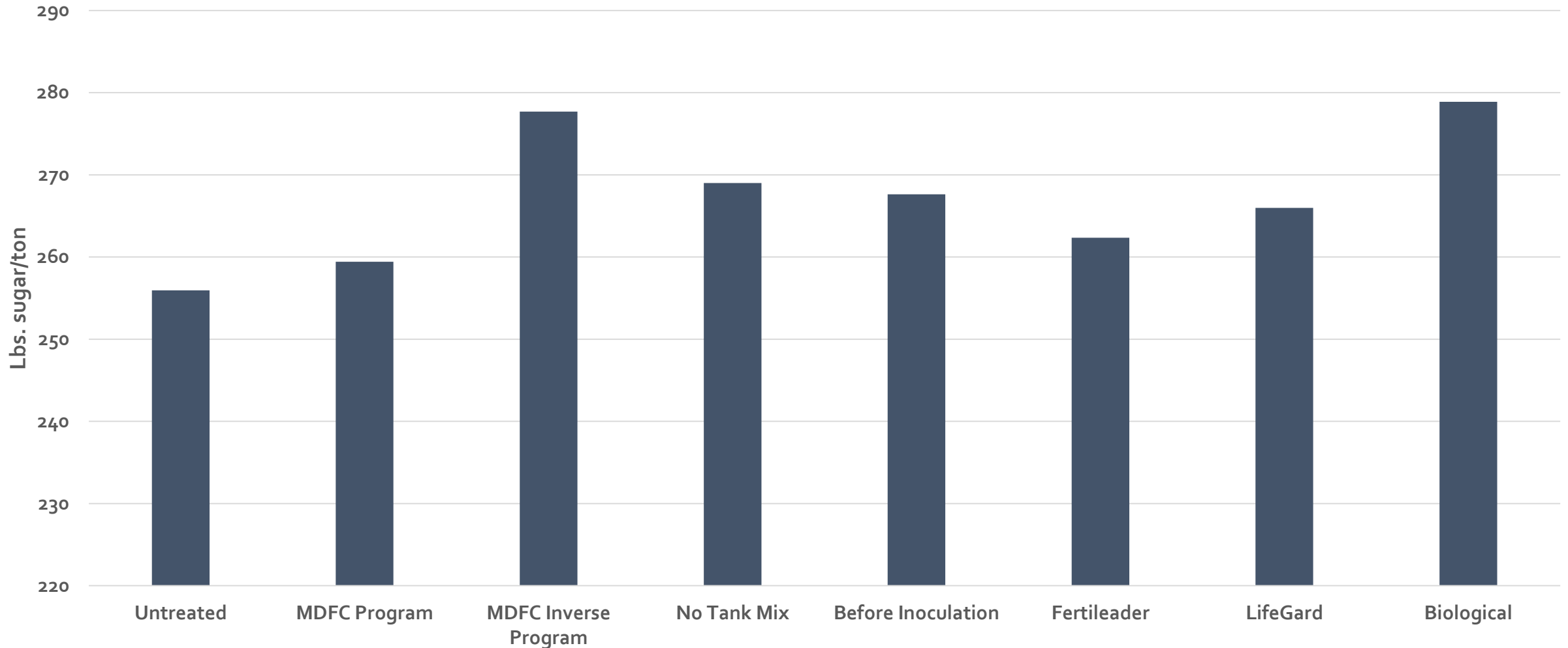


CLS Program Comparison



LSD (p=0.10): NS
CV: 4.56

Recoverable Sugar per Ton



CLS Program Comparison



LSD (p=0.10): NS
CV: 19.79

Recoverable Sugar per Acre

