

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 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 Trad. Rec.:**

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

- **Inverse MDFC Trad. Rec.:**

1. Manzate Max
2. AgriTin + Manzate Max
3. Proline + Manzate Max + NIS
4. AgriTin + Manzate Max
5. Provysol + Badge SC
6. AgriTin + Badge SC
7. Minerva + Badge SC

- **MDFC Trad. Rec. No Early:**

1. Proline + Manzate Max + NIS
2. AgriTin + Manzate Max
3. Provysol + Badge SC
4. AgriTin + Manzate Max
5. Minerva + Badge SC
6. AgriTin + Badge SC

- **MDFC Trad. Rec. No Tank-mix:**

1. Manzate Max
2. Proline + NIS
3. AgriTin
4. Provysol
5. AgriTin
6. Minerva
7. AgriTin

Treatment List

- **MDFC Trad. Rec. + Sulfur:**

1. Manzate Max + Kumulus DF
2. Proline + Manzate Max + NIS + Kumulus DF
3. AgriTin + Manzate Max + Kumulus DF
4. Provysol + Badge SC + Kumulus DF
5. AgriTin + Manzate Max + Kumulus DF
6. Minerva + Badge SC + Kumulus DF
7. AgriTin + Badge SC + Kumulus DF

- **ET-F:**

1. Manzate Max
2. Proline + Manzate Max + NIS
3. AgriTin + Manzate Max
4. Inspire XT + ET-F
5. AgriTin + Manzate Max
6. Minerva + Badge SC
7. AgriTin + ET-F

- **OxiDate 5.0:**

1. Manzate Max
2. Proline + Manzate Max + NIS
3. AgriTin + Manzate Max
4. Provysol + OxiDate 5.0
5. AgriTin + Manzate Max
6. Minerva + Badge SC
7. AgriTin + OxiDate 5.0

- **REGEV:**

1. Manzate Max
2. Proline + Manzate Max + NIS
3. AgriTin + Manzate Max
4. REGEV + Badge SC
5. AgriTin + Manzate Max
6. Minerva + Badge SC
7. AgriTin + Badge SC

Treatment List

- **MDFC Trad. Rec. Provysol Early:**

1. Provysol
2. Proline + Manzate Max + NIS
3. AgriTin + Manzate Max
4. Inspire XT + Manzate Max
5. AgriTin + Manzate Max
6. Minerva + Badge SC
7. AgriTin + Badge SC

- **Mixing Triazole:**

1. Manzate Max
2. Proline + Minerva + Badge SC + NIS
3. AgriTin + Manzate Max
4. Provysol + Manzate Max
5. AgriTin + Manzate Max
6. Badge SC
7. AgriTin + Badge SC

- **Untreated Check:**

- *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



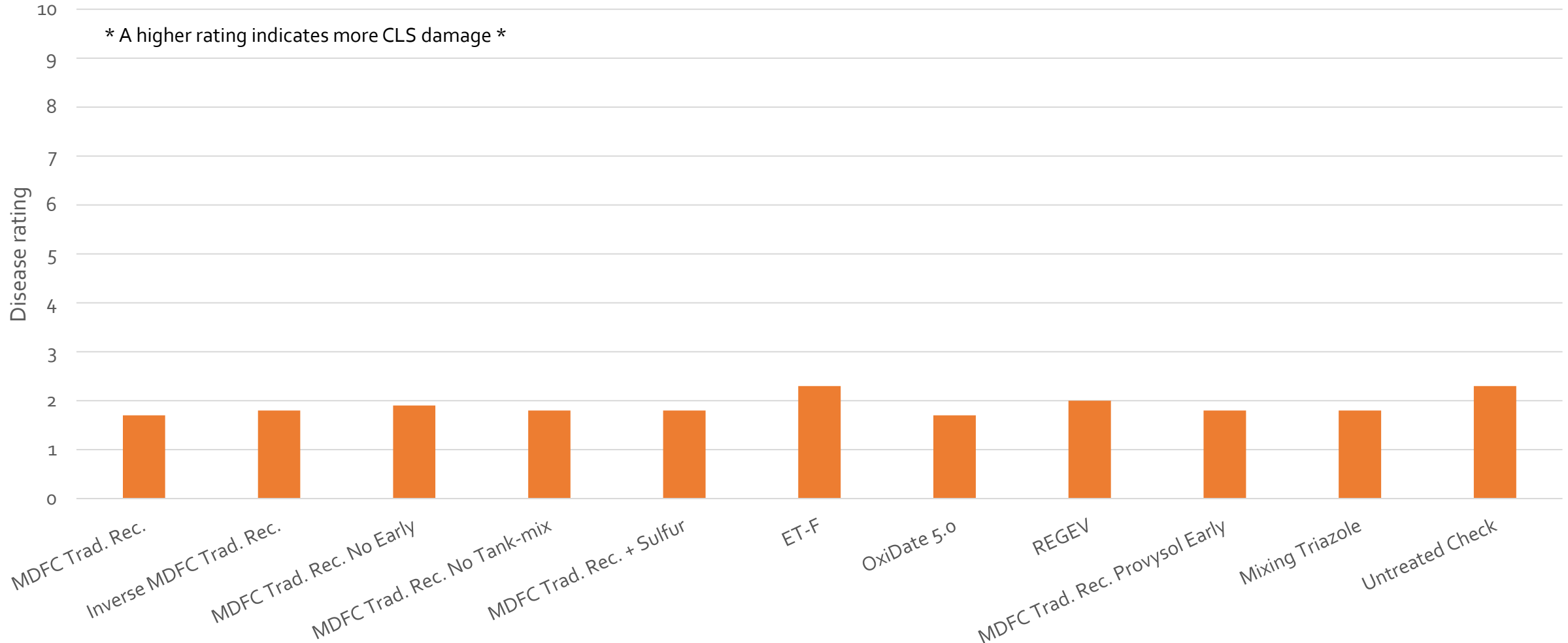
Category 10
50% severity

CLS Program Comparison



LSD (p=0.10): NS
CV: 18.96

CLS Rating ~ August 4, 2021

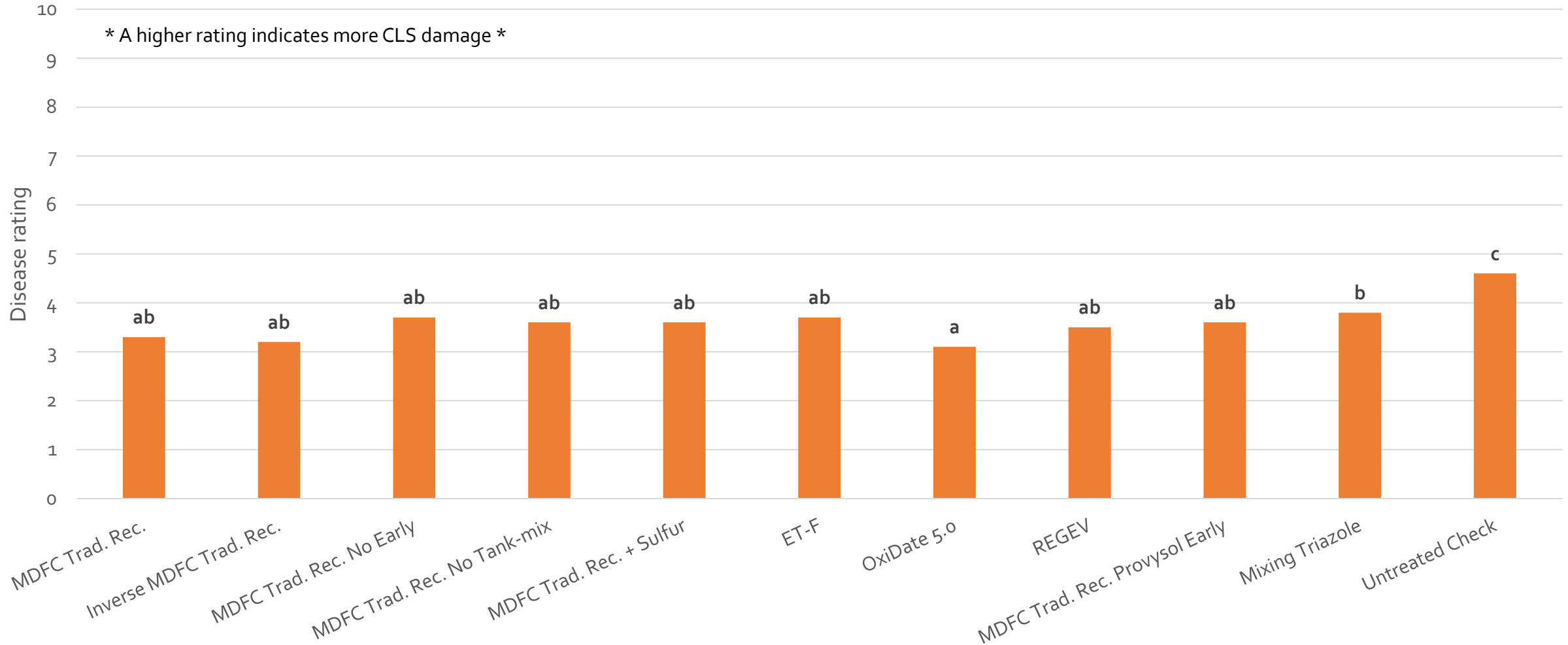


CLS Program Comparison



LSD (p=0.10): 0.67
CV: 15.64

CLS Rating ~ August 11, 2021



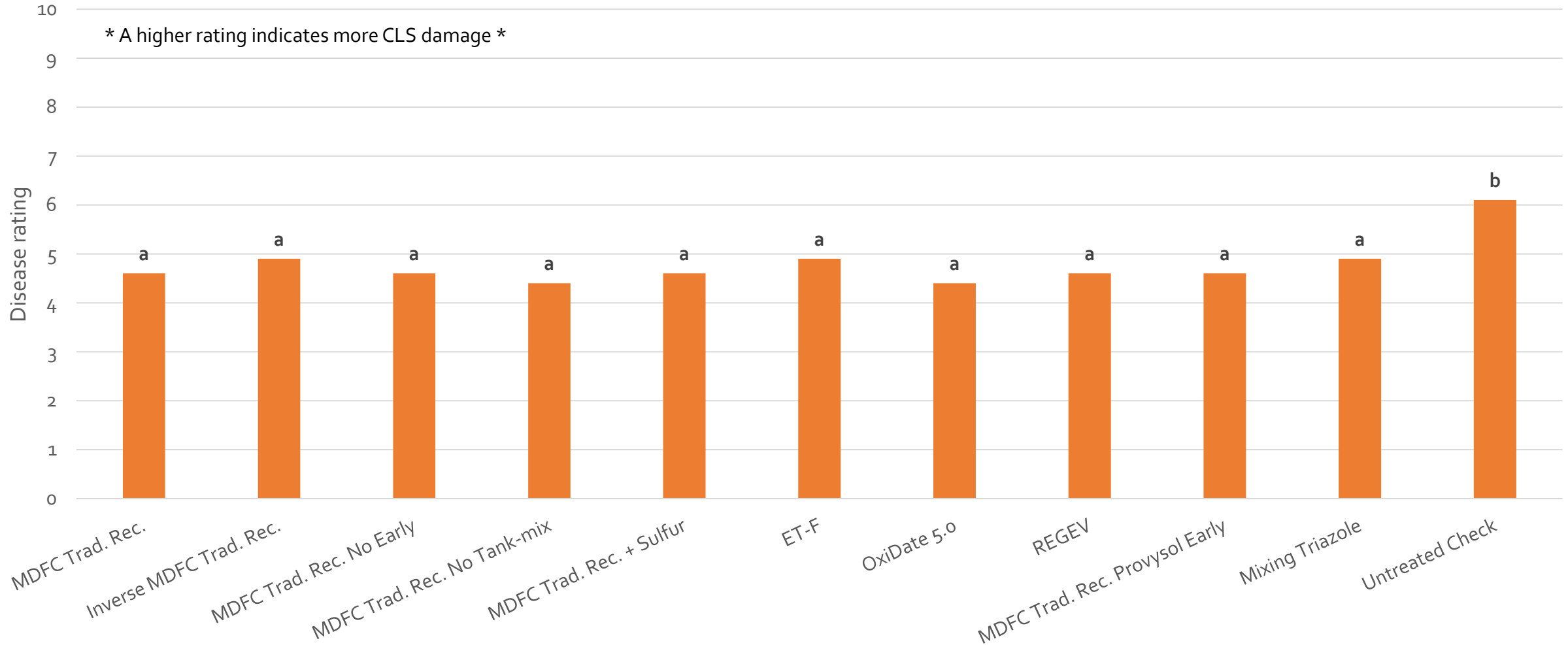
Treatments with the same letter are not statistically different

CLS Program Comparison

LSD (p=0.10): 0.63
CV: 10.90



CLS Rating ~ August 19, 2021



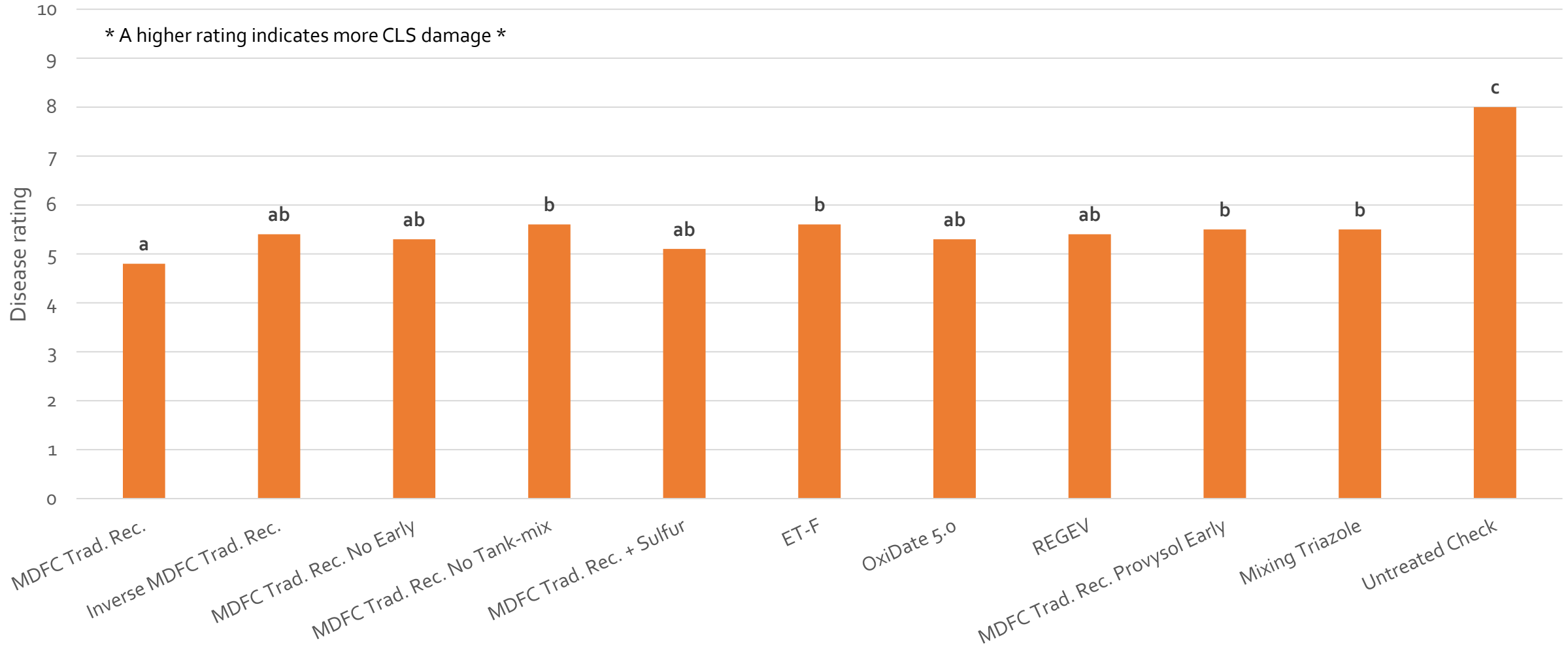
Treatments with the same letter are not statistically different

CLS Program Comparison



LSD (p=0.10): 0.73
CV: 10.96

CLS Rating ~ August 25, 2021



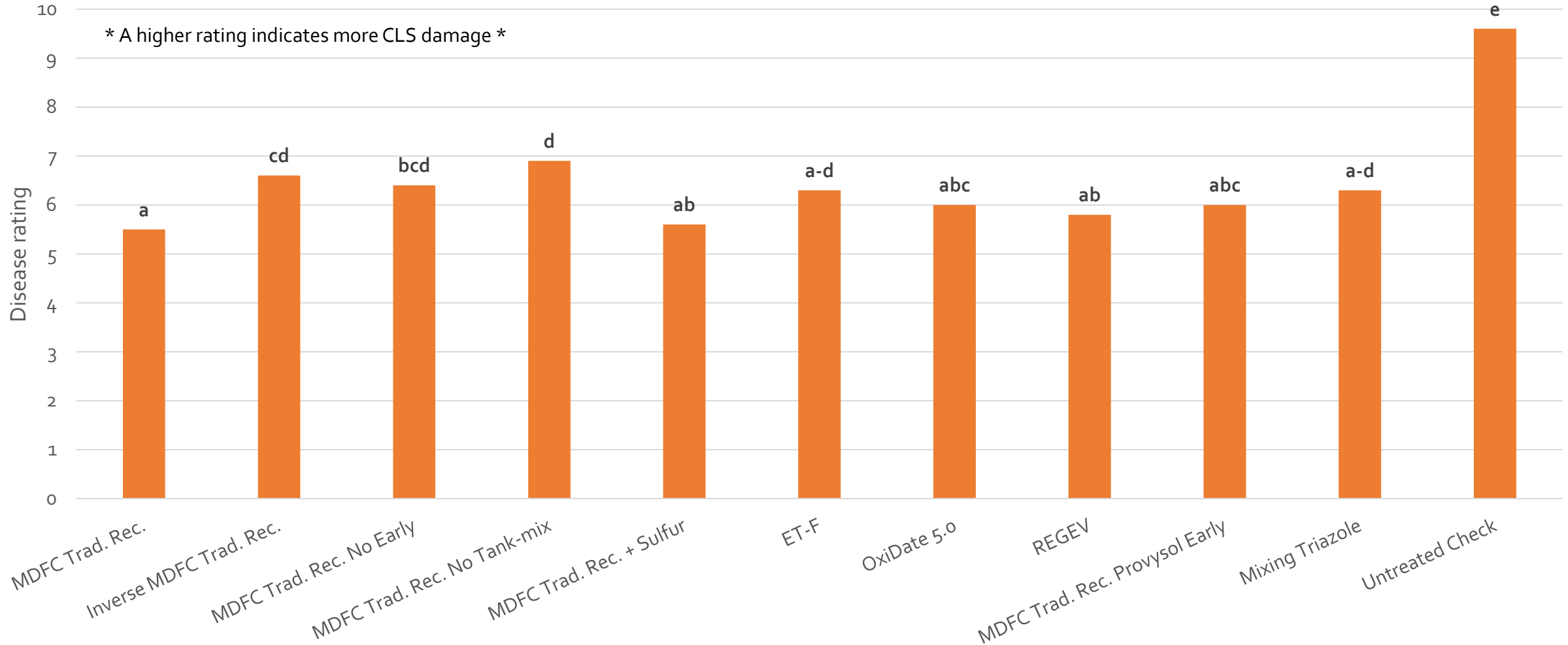
Treatments with the same letter are not statistically different

CLS Program Comparison



LSD (p=0.10): 0.76
CV: 9.85

CLS Rating ~ September 3, 2021

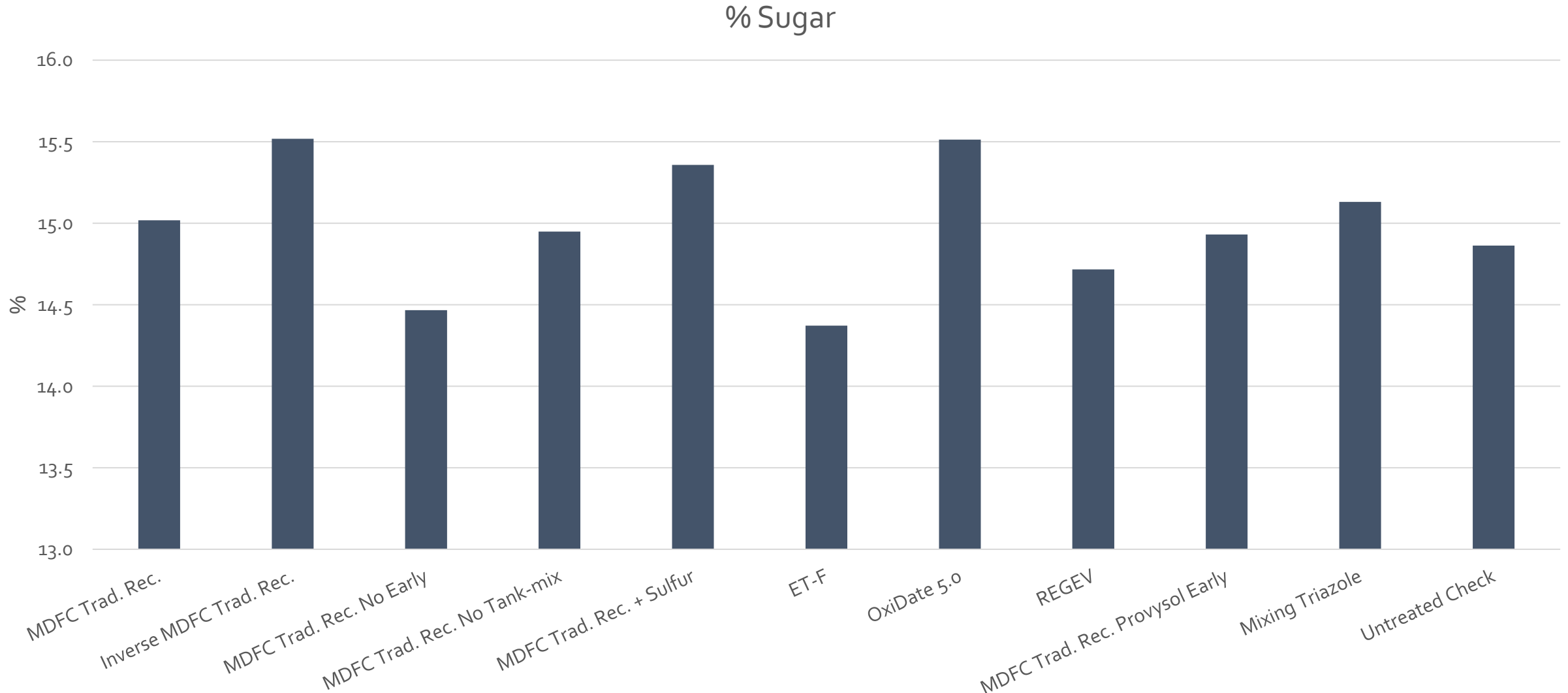


Treatments with the same letter are not statistically different

CLS Program Comparison



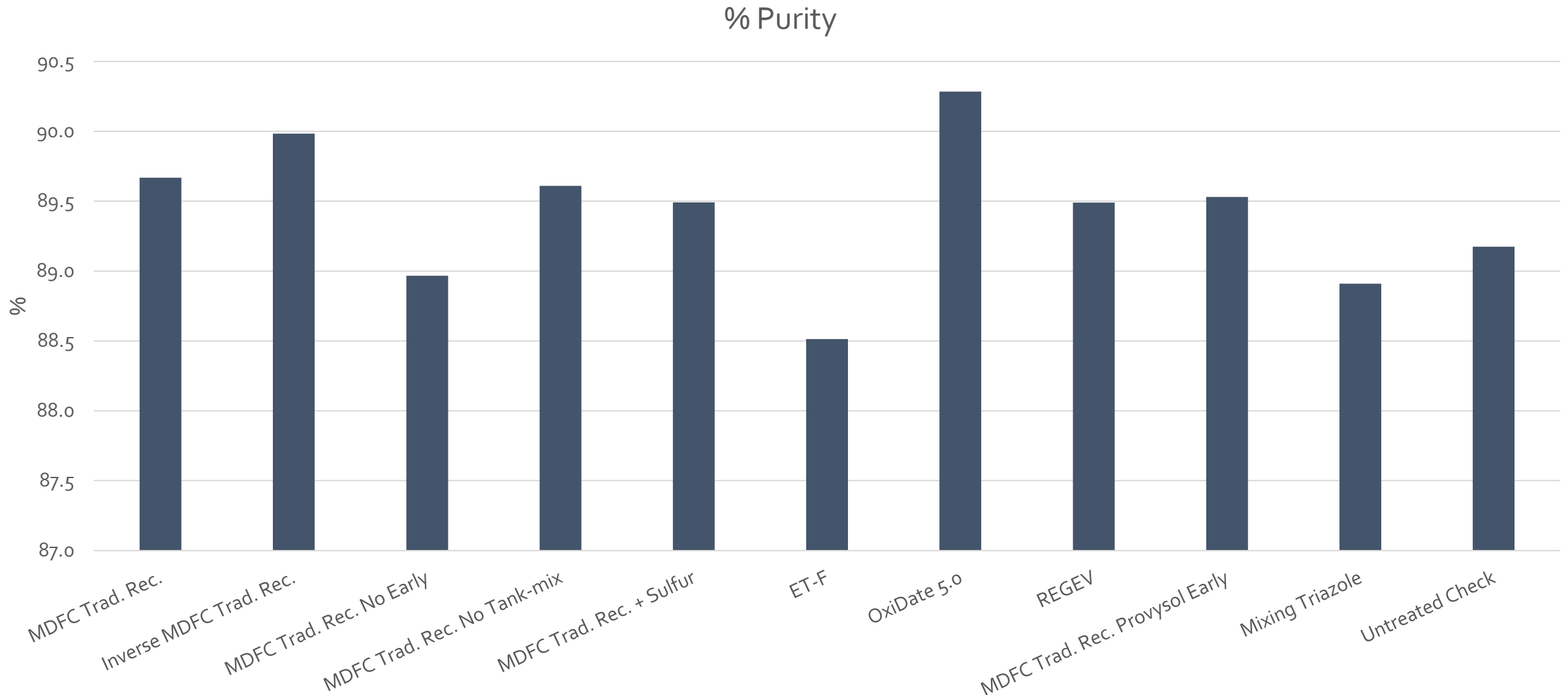
LSD (p=0.10): NS
CV: 5.18



CLS Program Comparison



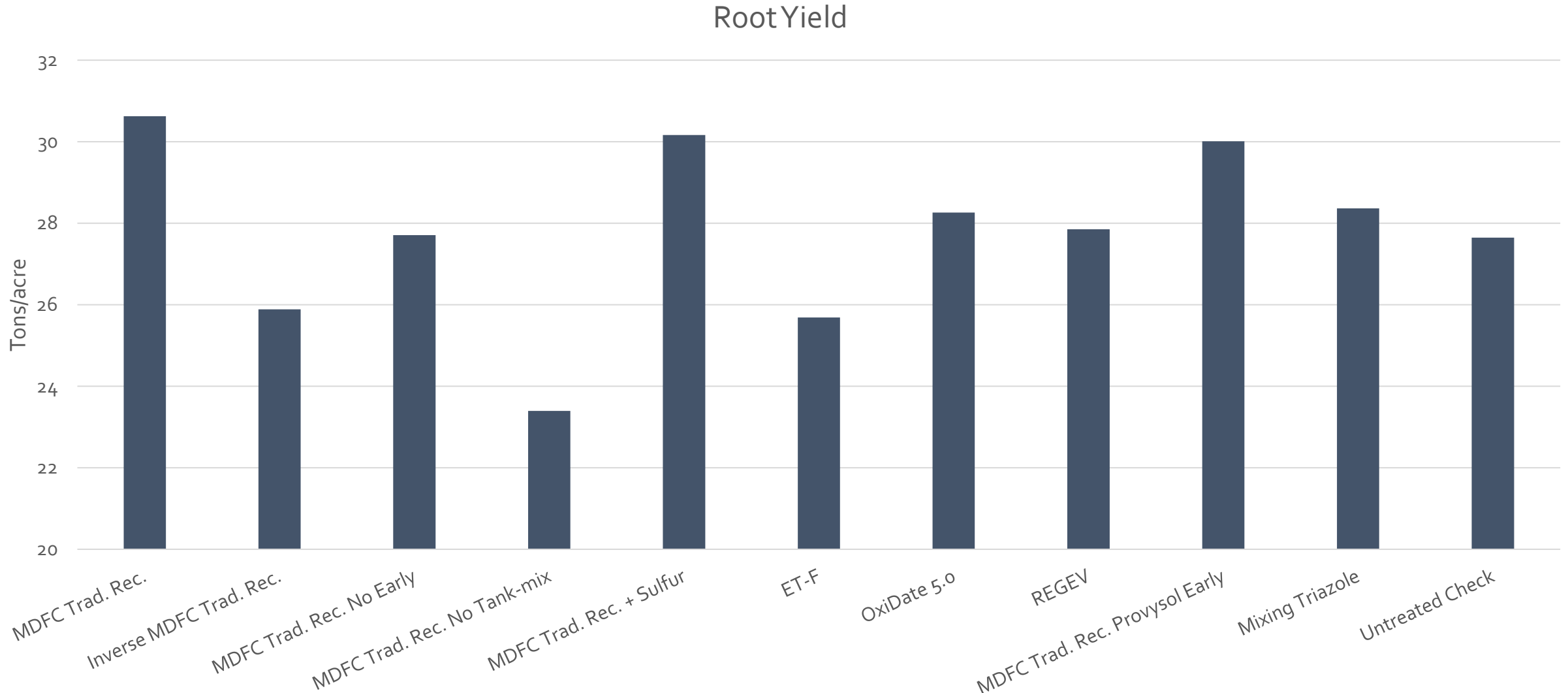
LSD (p=0.10): NS
CV: 1.35



CLS Program Comparison



LSD (p=0.10): NS
CV: 11.81

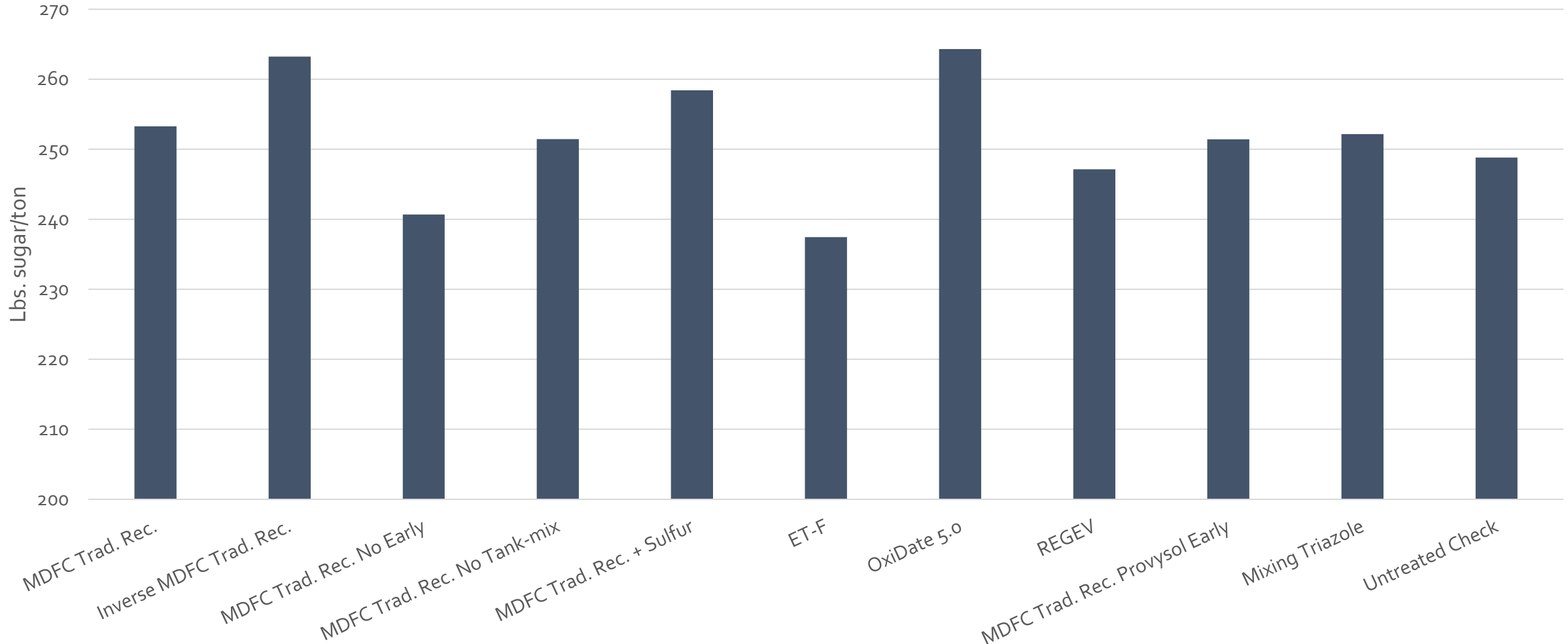


CLS Program Comparison



LSD (p=0.10): NS
CV: 6.44

Recoverable Sugar per Ton



CLS Program Comparison



LSD (p=0.10): NS
CV: 14.49

Recoverable Sugar per Acre

