Trial Info.

MINN-DAK FARMERS

- <u>Planted:</u> May 10, 2024
- Inoculated: July 10, 2024
- <u>Harvested:</u> September 27, 2024
- Location: Meadows Twp, Wilkin County, MN
- <u>Variety:</u> ACH 290 (*CR*+)
 - CLS Rating = 2.36
- <u>Objective</u>: Evaluate the yield and quality response (if any) of applying fungicide tank mixtures on differing spray intervals.

Treatment List:



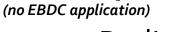
MDFC 1:

(Proline as first triazole)

- 1. Manzate
- 2. Proline + NIS + Manzate
- 3. Agri Tin + Manzate
- 4. Provysol + Manzate

(7/10/24) (7/18/24) (8/13/24) (8/29/24)

No Early:



- Proline + NIS + Manzate
 Agri Tin + Manzate
 - 3. Provysol + Manzate

(7/18/24) (8/13/24) (8/29/24)

MDFC 2:

(Provysol as first triazole)

- 1. Manzate
- 2. Provysol+ Manzate
- 3. Agri Tin + Manzate
- 4. Proline + NIS + Manzate

(7/10/24) (7/18/24) (8/13/24) (8/29/24)

Late Start:

(start in middle of program)

- 1. Proline + NIS + Manzate
- 2. Agri Tin + Manzate

(8/13/24) (8/29/24)

Treatment List:



Spots:

(start when see spots in plot)

- 1. Proline + NIS + Manzate
- 2. Agri Tin + Manzate
- 3. Provysol + Manzate

(7/18/24) 1.

(8/13/24) (8/29/24)

All Short:

(~10–14-day intervals)

Manzate
 Proline + NIS + Manzate
 Agri Tin + Manzate
 Provysol + Manzate

(7/10/24) (7/18/24) (8/6/24) (8/19/24)

1st, 1st

(EBDC @ row closure, beginning of each month)

- 1. Manzate
- 2. Agri Tin + Manzate
- 3. Provysol + Manzate

(7/10/24) (8/6/24) (9/5/24)

All Long:

(~21-day intervals)

- 1. Manzate
- 2. Proline + NIS + Manzate
- 3. Agri Tin + Manzate

(7/10/24) (8/6/24) (8/29/24)

Treatment List:

Short Long Short:

(~10-14-day interval, ~21-day interval, ~10-14-day interval)

- 1. Manzate
- 2. Proline + NIS + Manzate
- 3. Agri Tin + Manzate
- 4. Provysol + Manzate

Long Gap:

(EBDC @ row closure, end of August, ~10-14-day interval)

- 1. Manzate
- 2. Proline + NIS + Manzate
- 3. AgriTin + Manzate

(7/10/24) (8/29/24)

(7/10/24)

(7/18/24)

(8/13/24)

(8/23/24)

(9/9/24)

Untreated Check:

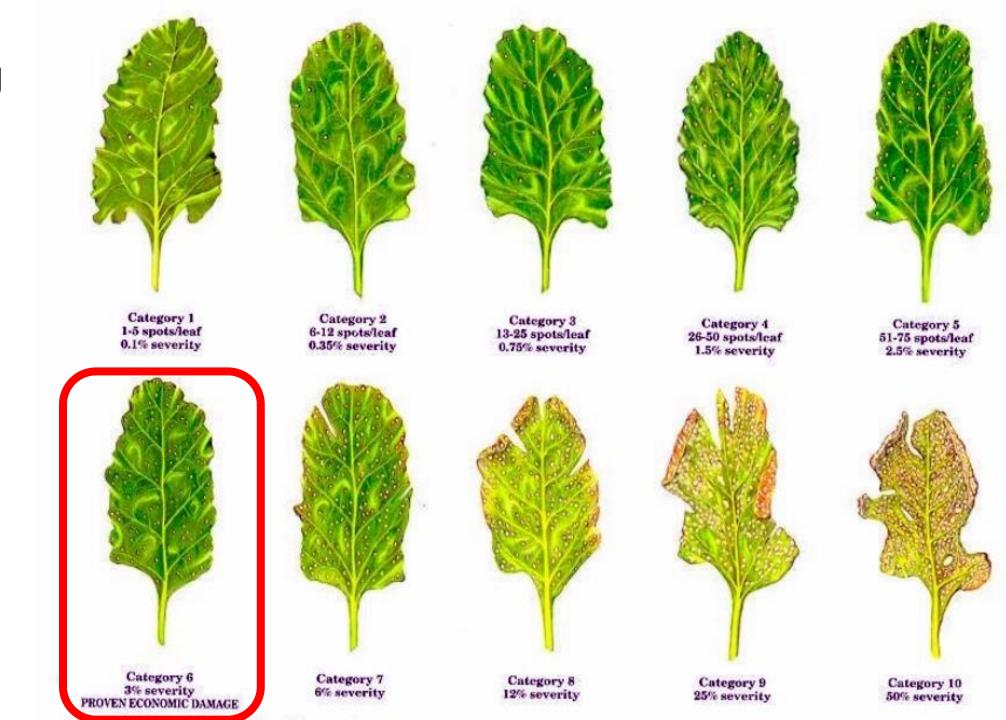
(no fungicide applications)





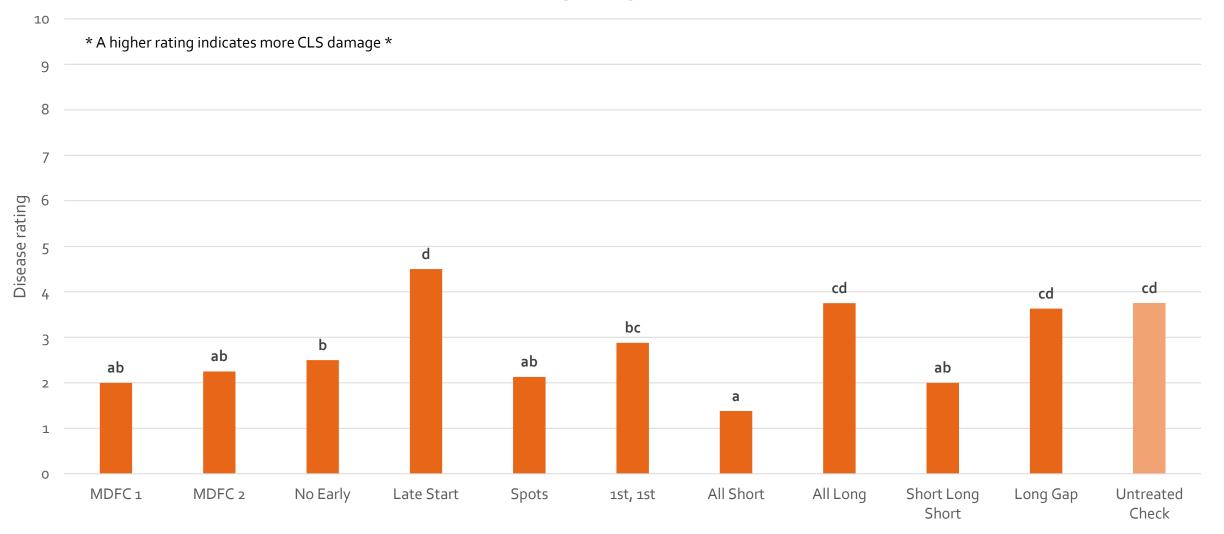
Applications									
Date:	Jul-10-2024	Jul-18-2024	Aug-6-2024	Aug-13-2024	Aug-19-2024	Aug-23-2024	Aug-29-2024	Sep-5-2024	Sep-9-2024
Start Time:	11:35 AM	2:06 PM	2:20 PM	10:10 AM	11:05 AM	9:55 AM	8:10 PM	10:05 AM	10:00 AM
End Time:	11:50 AM	2:37 PM	3:55 PM	10:50 AM	11:10 AM	10:00 AM	8:40 PM	10:10 AM	10:05 AM
Application Method:	Spray	Spray	Spray	Spray	Spray	Spray	Spray	Spray	Spray
Application Timing:	Preventative	Fixed Interval							
Application Placement:	Foliar	Foliar	Foliar	Foliar	Foliar	Foliar	Foliar	Foliar	Foliar
Temperature (F):	78	78	76	70	79	77	67	62	68
Humidity (%):	60	51	52	71	69	86	69	76	67
Wind Velocity (MPH):	6	6	7	4	2	2	2	7	6
Wind Direction:	N	SSW	SSW	SSE	SW	SE	WNW	NNW	SSE

CLS Rating Scale



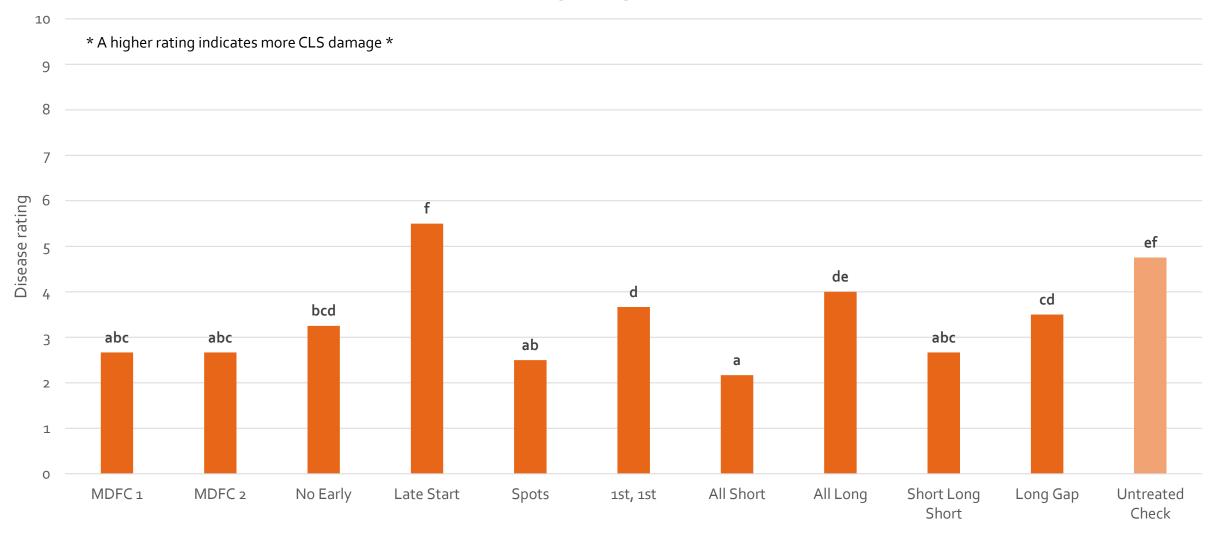


CLS Rating – August 7, 2024



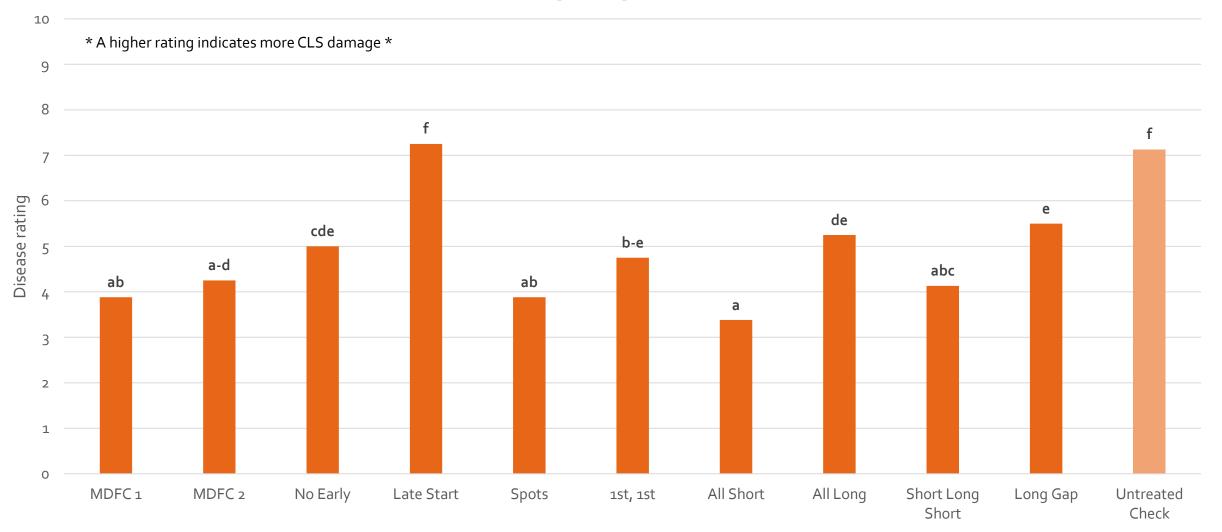


CLS Rating – August 13, 2024



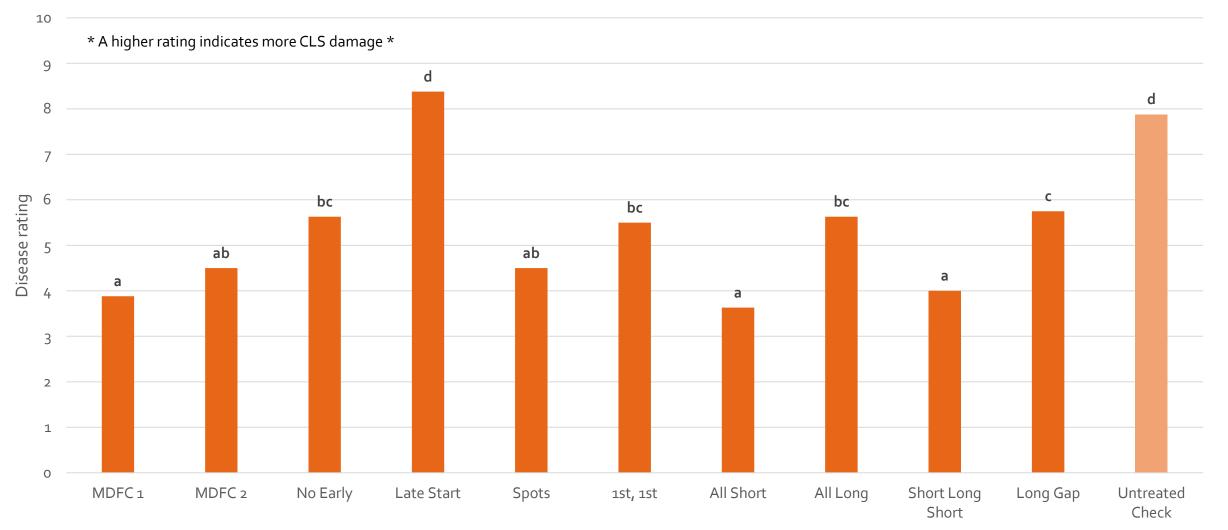


CLS Rating – August 20, 2024



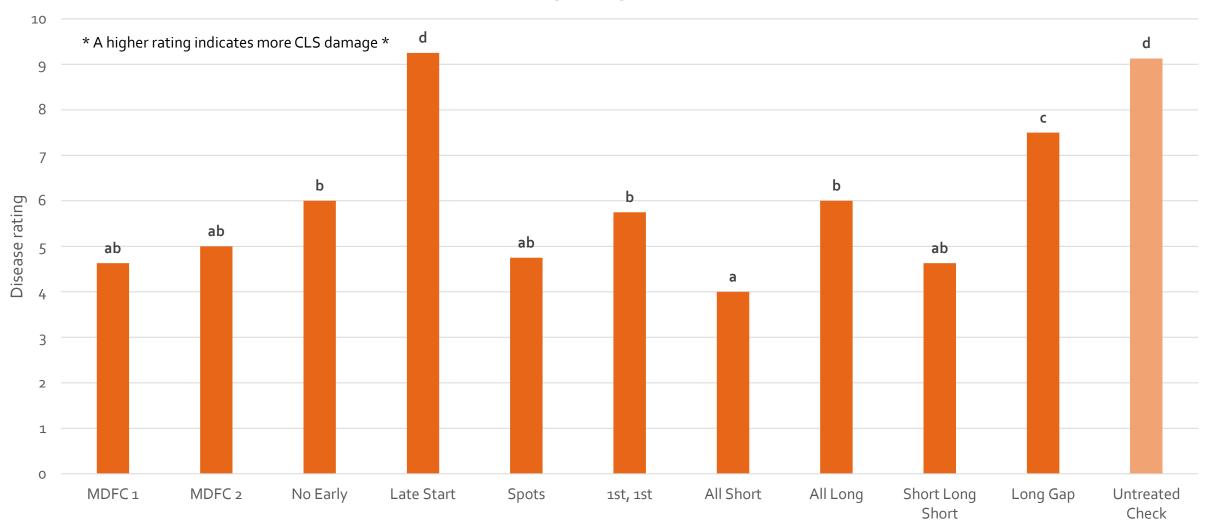


CLS Rating – August 23, 2024



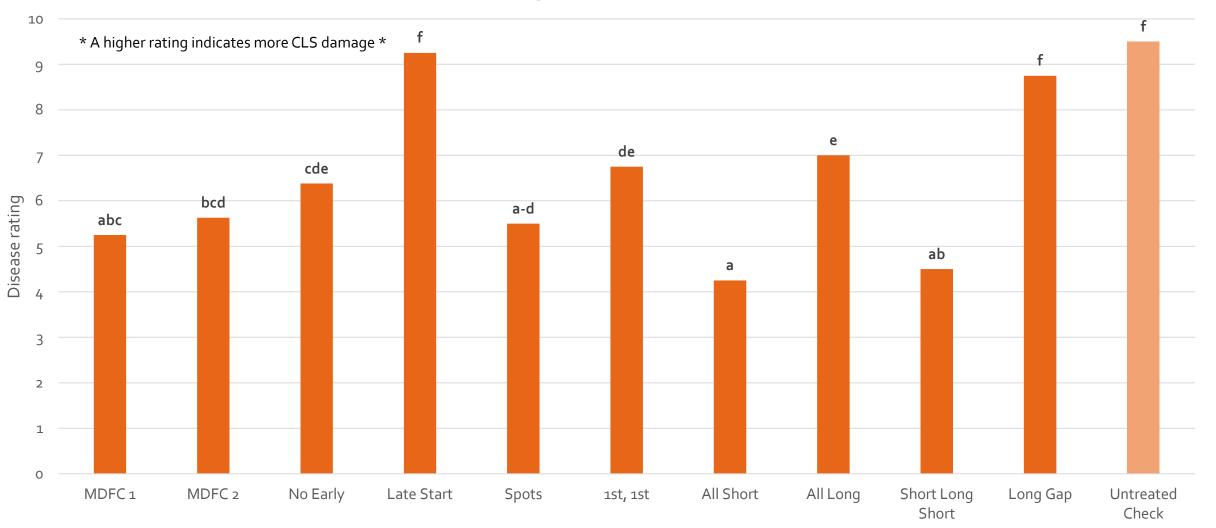


CLS Rating – August 27, 2024

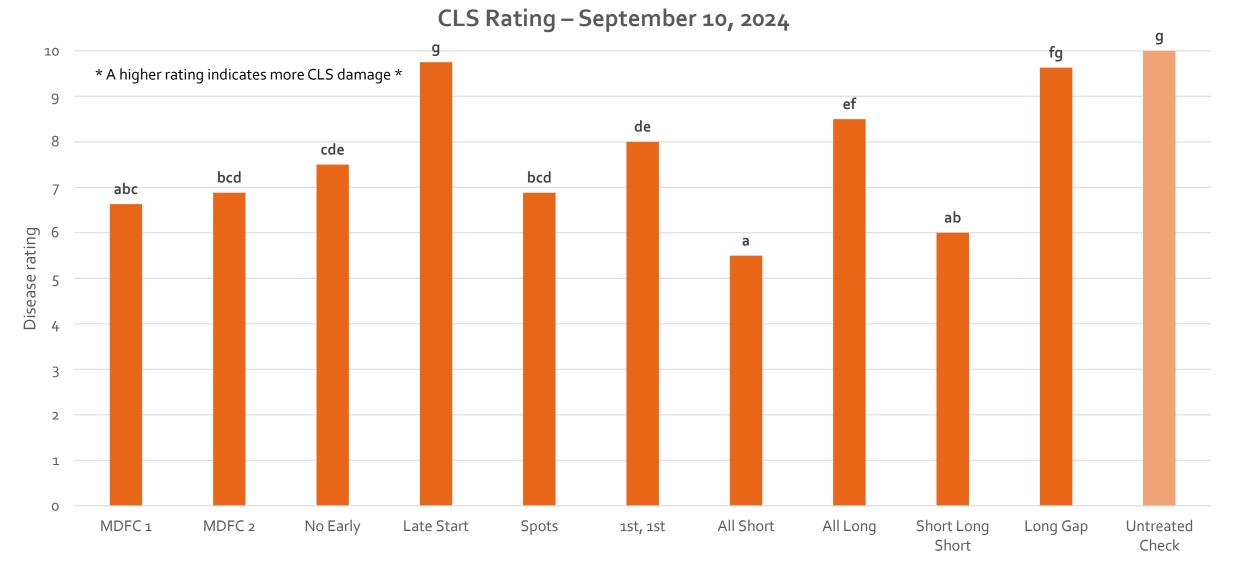




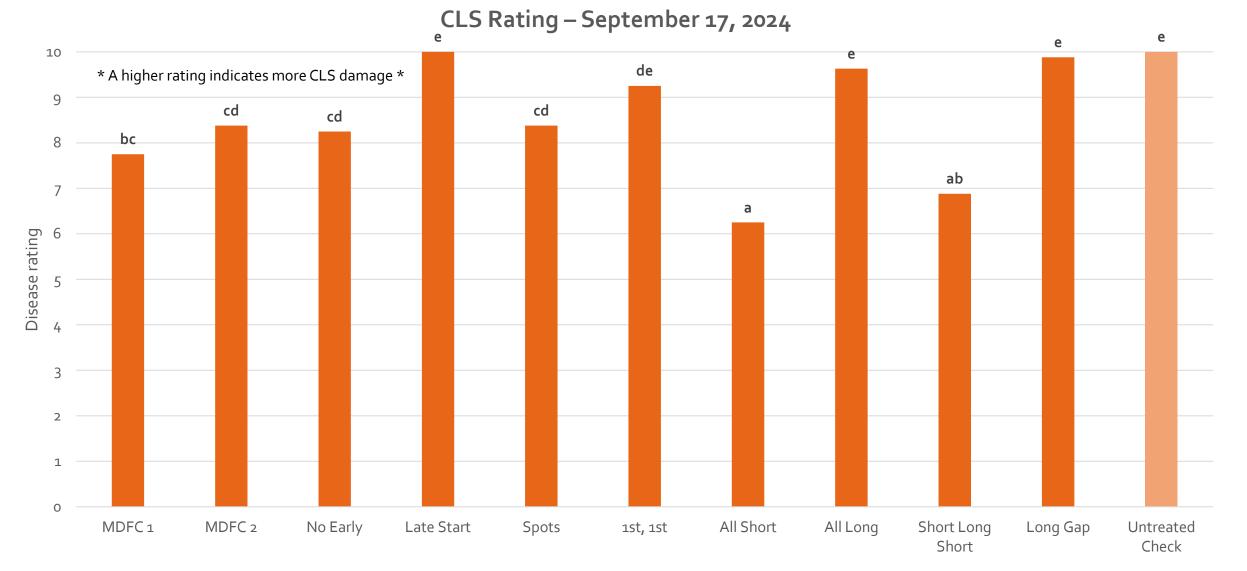
CLS Rating – September 3, 2024





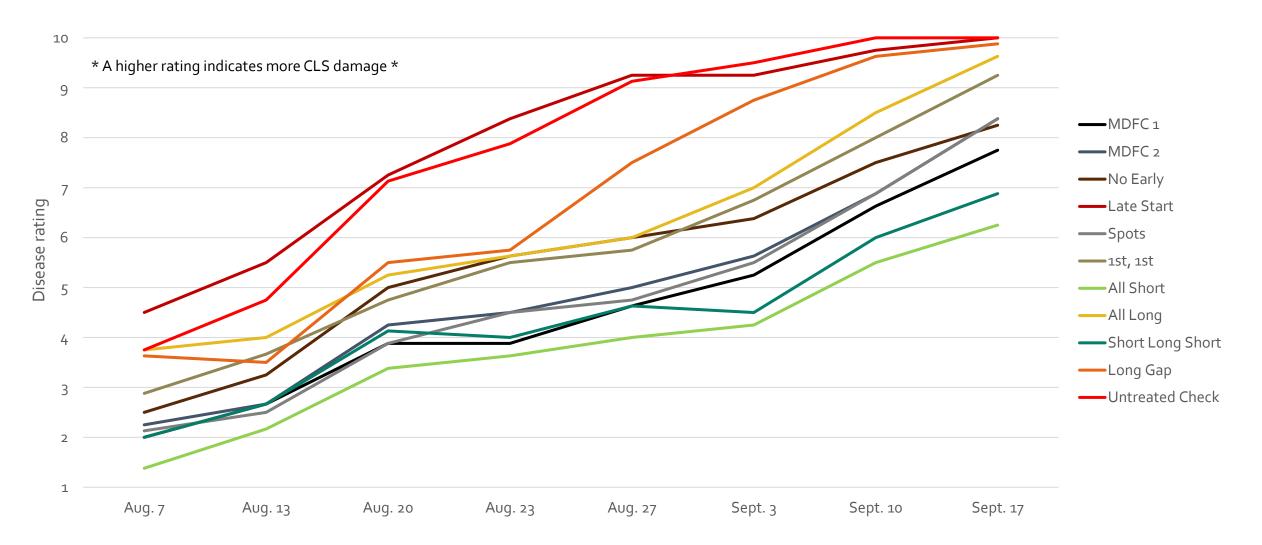






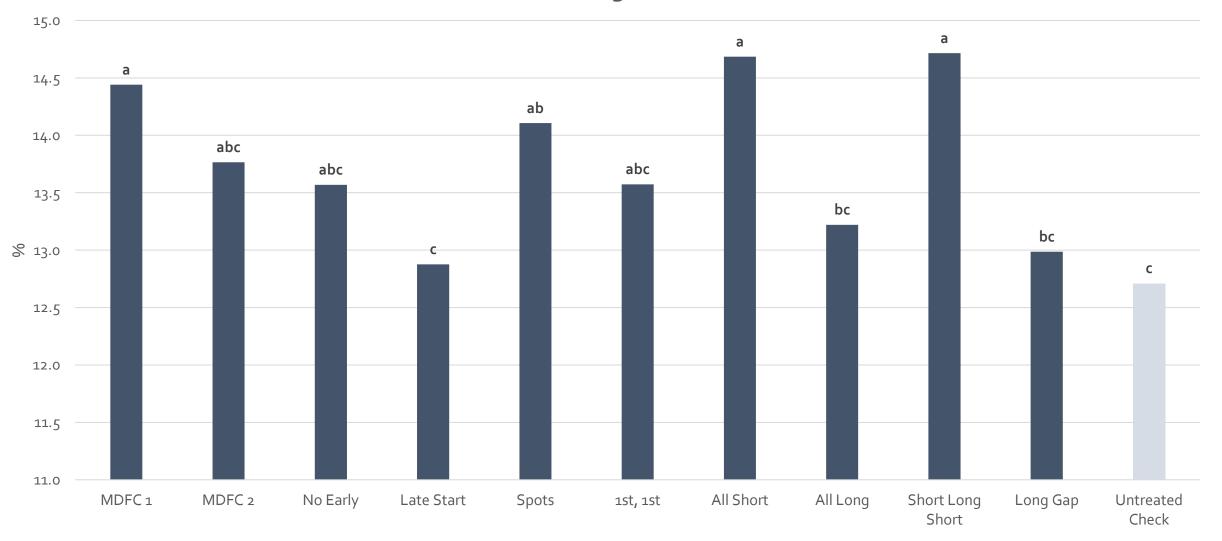


CLS Rating – Season-long



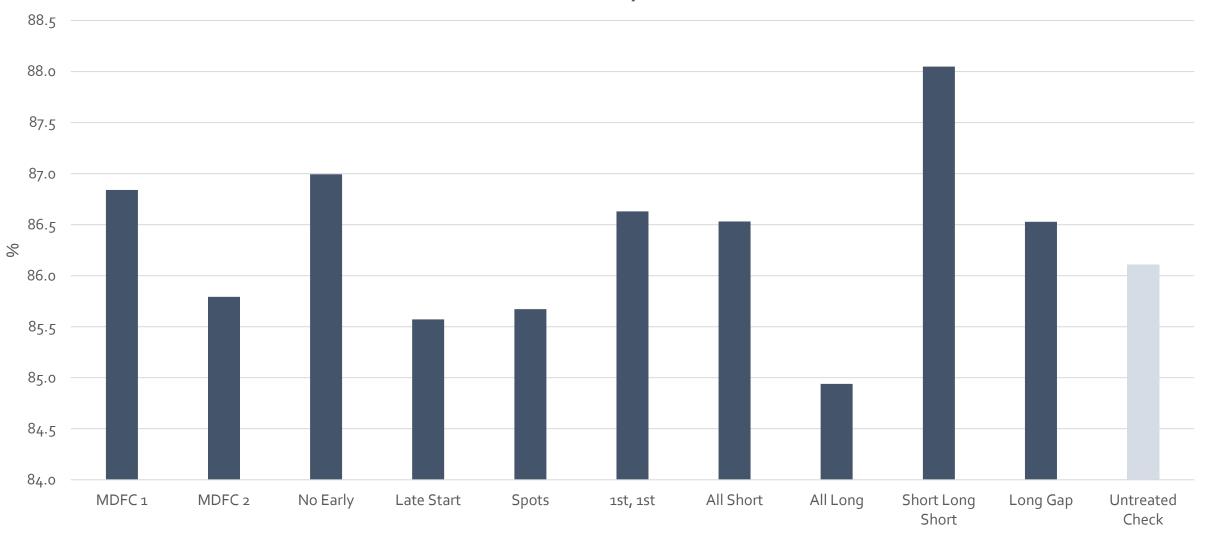


% Sugar



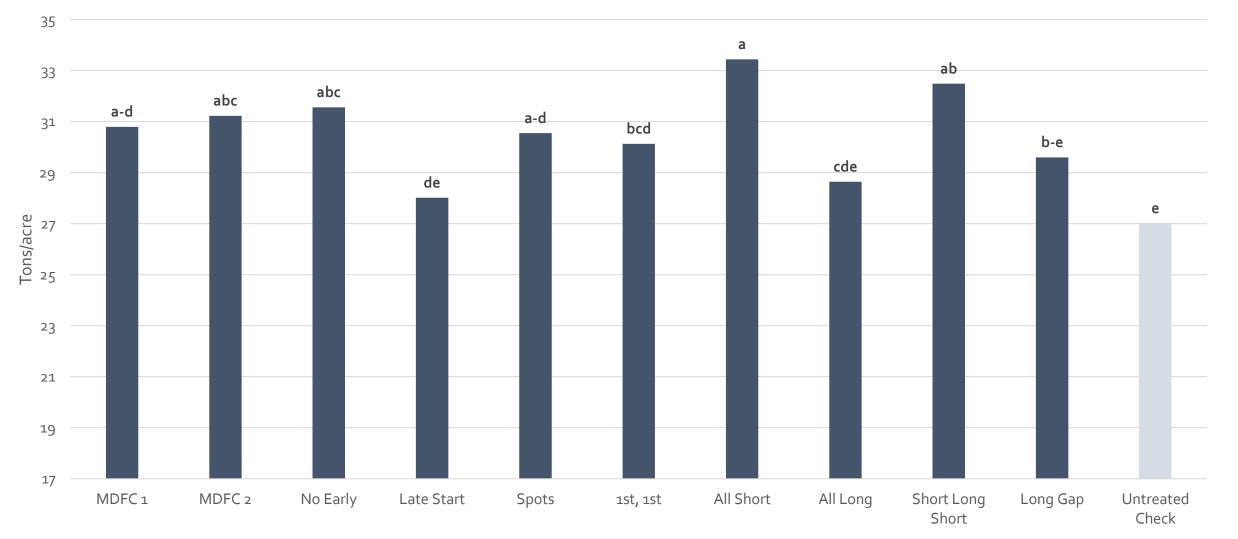


% Purity



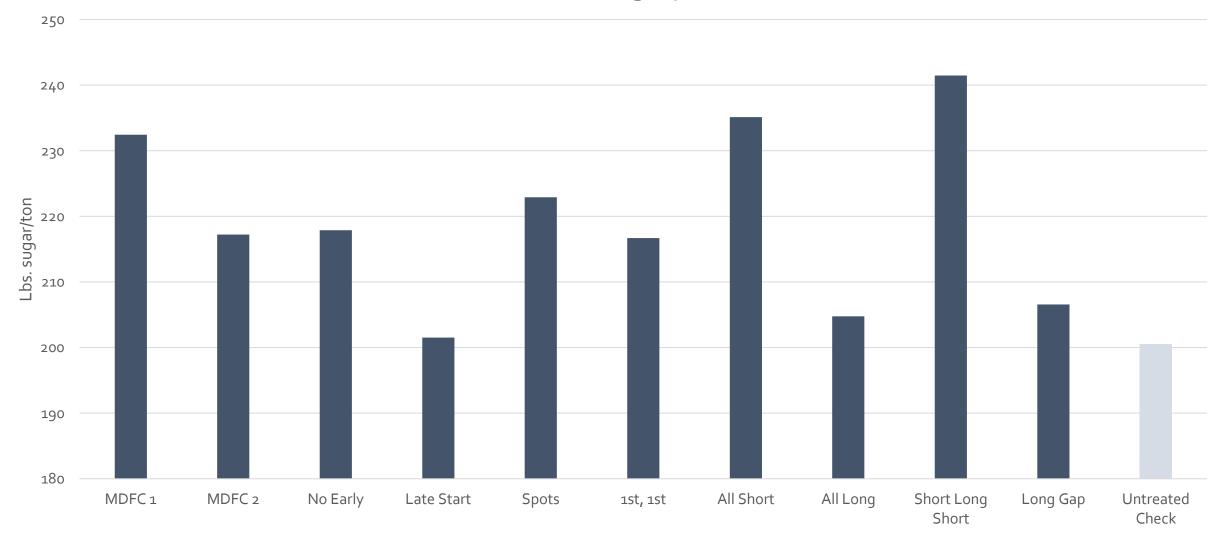








Recoverable Sugar per Ton





Recoverable Sugar per Acre

