



# Trial Info.

- Planted: May 24, 2022
- Harvested: September 22, 2022
- Location: Andrea Twp, Wilkin County
- Variety: BTS 7068 (CR+)
  
- Objective: Determine if a liquid fertilizer tank mixed with CLS fungicide application(s) will increase % sugar, % purity, RST, and/or RSA.
  
- *All results are NOT statistically significant.*



# Trial Info.

- This site had both Traditional and CR+ varieties planted amongst the trials. Therefore, the MDFC Traditional CLS Program Recommendation was followed:

1. Manzate
2. Proline + NIS + Manzate
3. Agri Tin + Manzate
4. Inspire XT + Badge
5. Agri Tin + Manzate
6. Brixen + Badge

<i>Applications</i>				
<i>Date:</i>	Jul-8-2022	Jul-18-2022	Aug-15-2022	Sep-11-2022
<i>Start Time:</i>	1:01 PM	3:10 PM	1:40 PM	1:45 PM
<i>End Time:</i>	1:27 PM	3:18 PM	1:50 PM	1:55 PM
<i>Application Method:</i>	Spray	Spray	Spray	Spray
<i>Application Timing:</i>	Fixed Interval	Fixed Interval	Fixed Interval	Fixed Interval
<i>Application Placement:</i>	Broadcast	Broadcast	Broadcast	Broadcast
<i>Temperature (F):</i>	79	93	78	70
<i>Humidity (%):</i>	55	50	63	31
<i>Wind Velocity (MPH):</i>	6	16	8	7
<i>Wind Direction:</i>	NE	S	NNW	SE

- Since the variety planted for this trial was CR+, the liquid fertilizers could have been tank mixed with a maximum of 4 applications (*following the MDFC CR+ CLS Program Recommendation "One, Two, Skip a Few"*).
  - Liquid fertilizer(s) possible with applications 1, 2, 4, and 6

# Treatment List

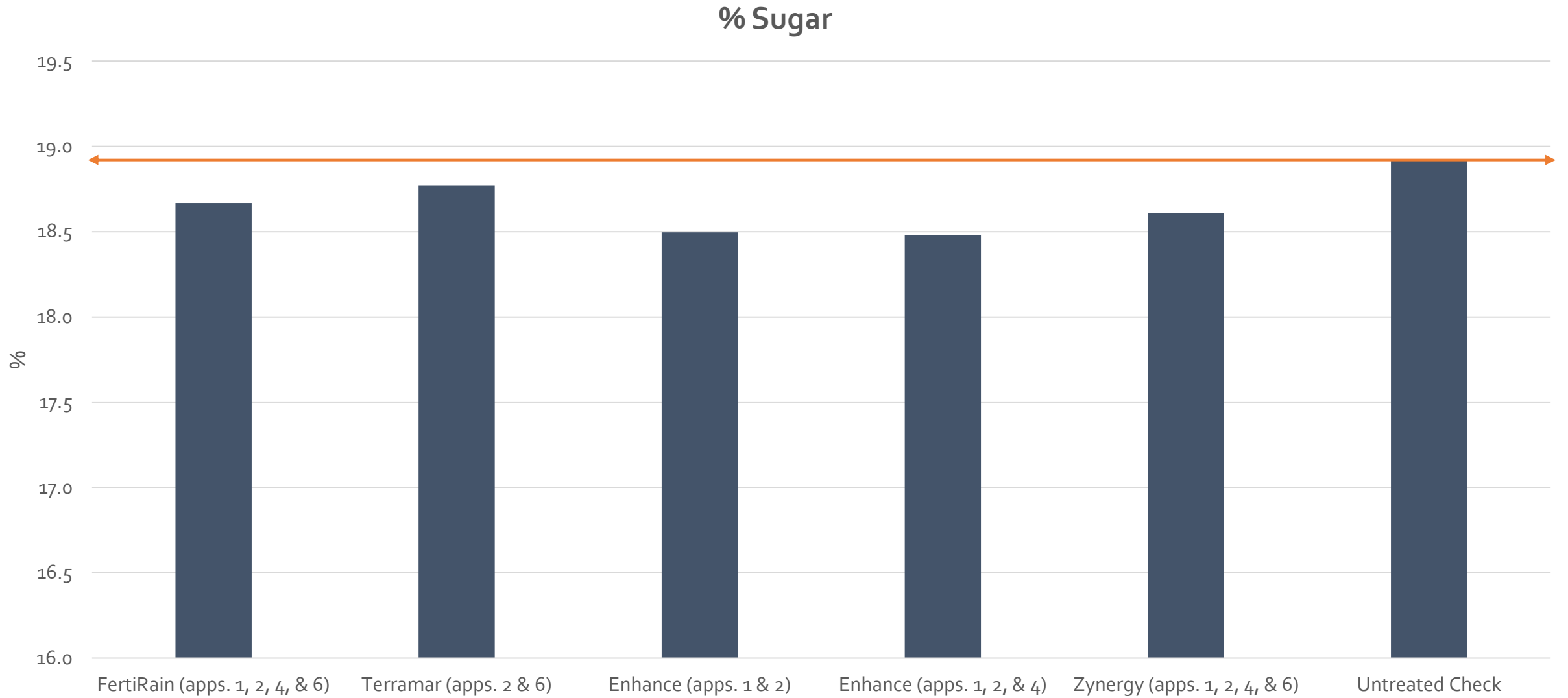


Treatment	Application Timing	Rate
FertiRain	Apps. 1, 2, 4, & 6	1 gal/a
Terramar	App. 2 ; App. 6	1 gal/a ; 2 qt/a
Enhance	App. 1 ; App. 2	1 qt/a
Enhance	App. 1; App. 2; App. 4	1 qt/a ; 1 qt/a ; 2 qt/a
Zynergy	Apps. 1, 2, 4, & 6	0.5 pt/a
Untreated Check	<i>*No liquid fertilizer was applied with CLS applications*</i>	

# Quality + CLS



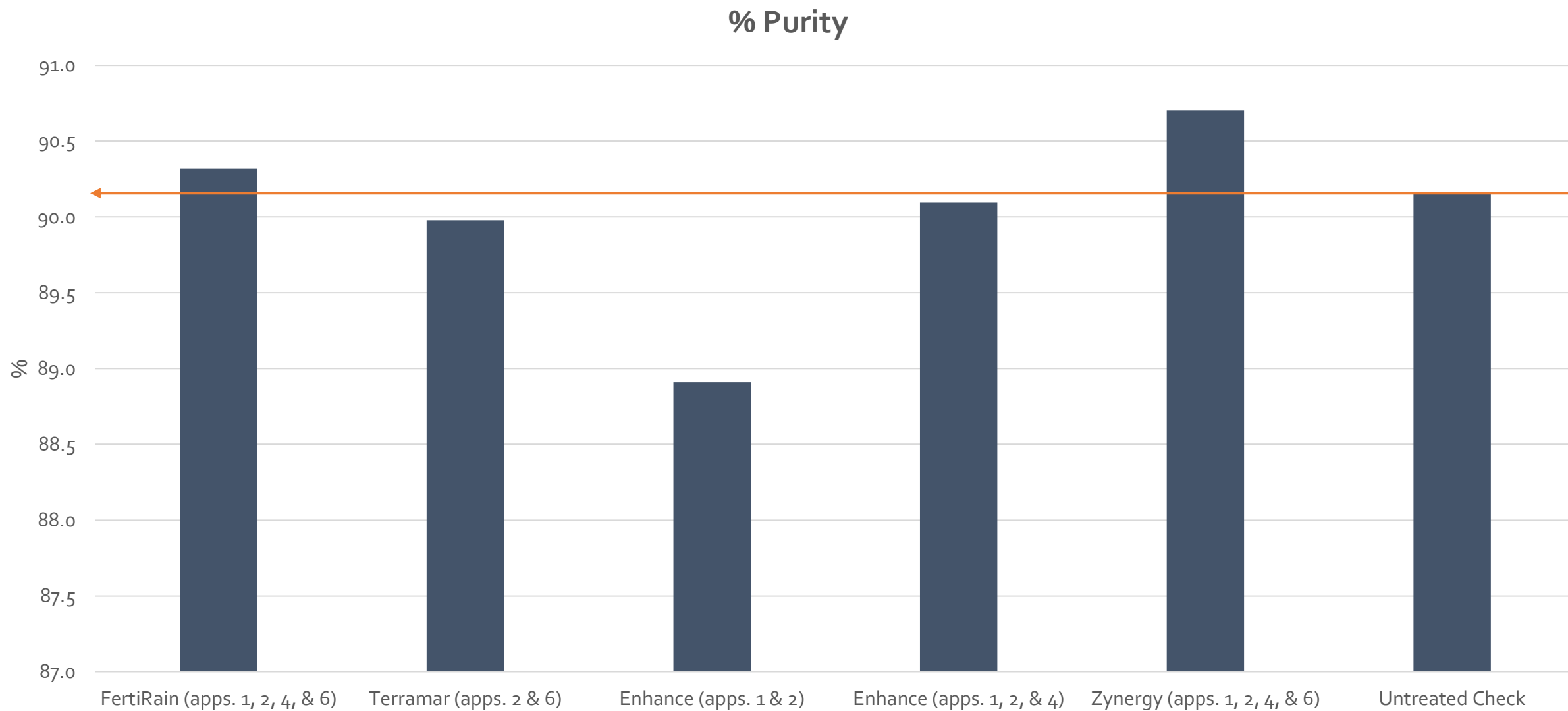
LSD (p=0.10): NS  
CV: 3.50



# Quality + CLS



LSD (p=0.10): NS  
CV: 0.76

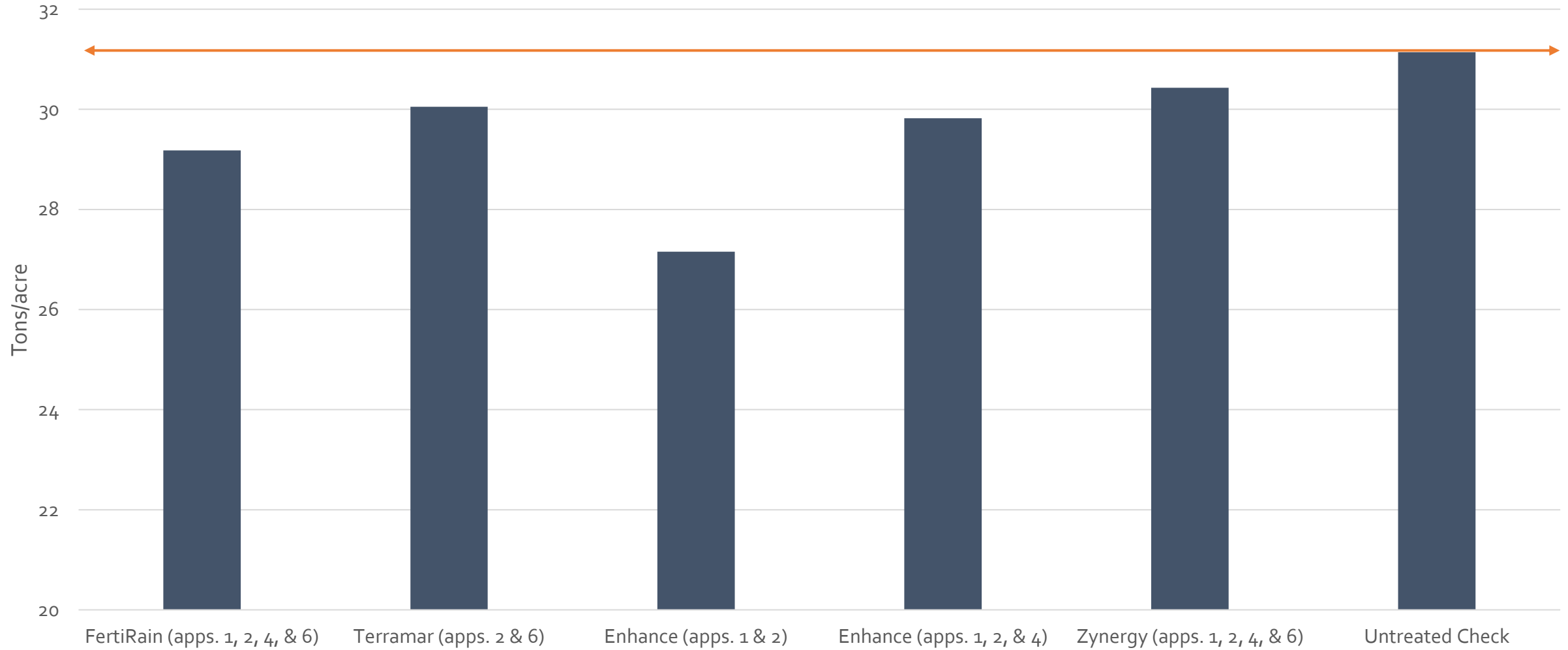


# Quality + CLS



LSD (p=0.10): NS  
CV: 7.83

## Root Yield

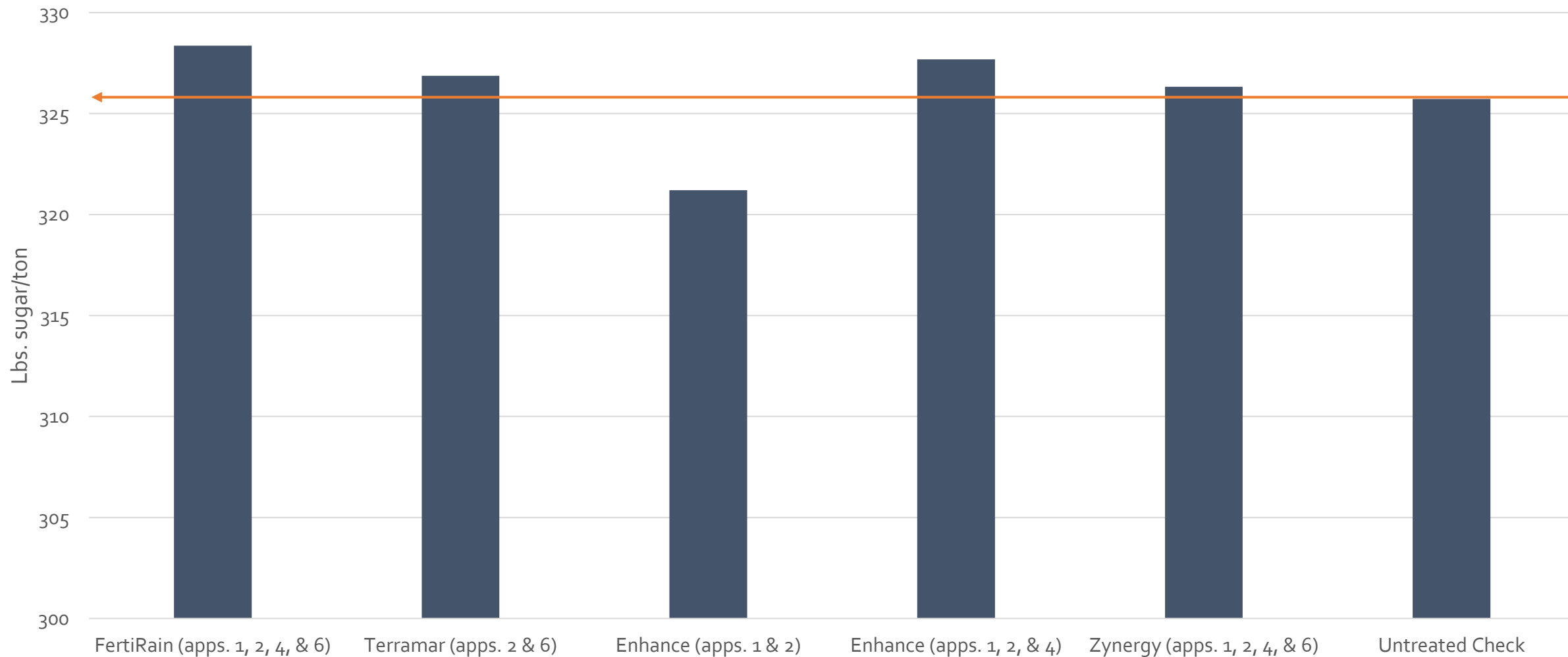


# Quality + CLS



LSD (p=0.10): NS  
CV: 3.59

## Recoverable Sugar per Ton



# Quality + CLS



LSD (p=0.10): NS  
CV: 7.37

## Recoverable Sugar per Acre

