



POST Rhizoc Control

Greg Krause

Gorder District Agriculturist

Rhizoctonia Management

- Seed treatments are standard on all varieties
 - ~5-6 weeks of protection
- Genetic tolerance
 - Kicks in when sugarbeet ~6 weeks old
- In-furrow application
- Postemergence application
 - 4-6 leaf sugarbeet stage

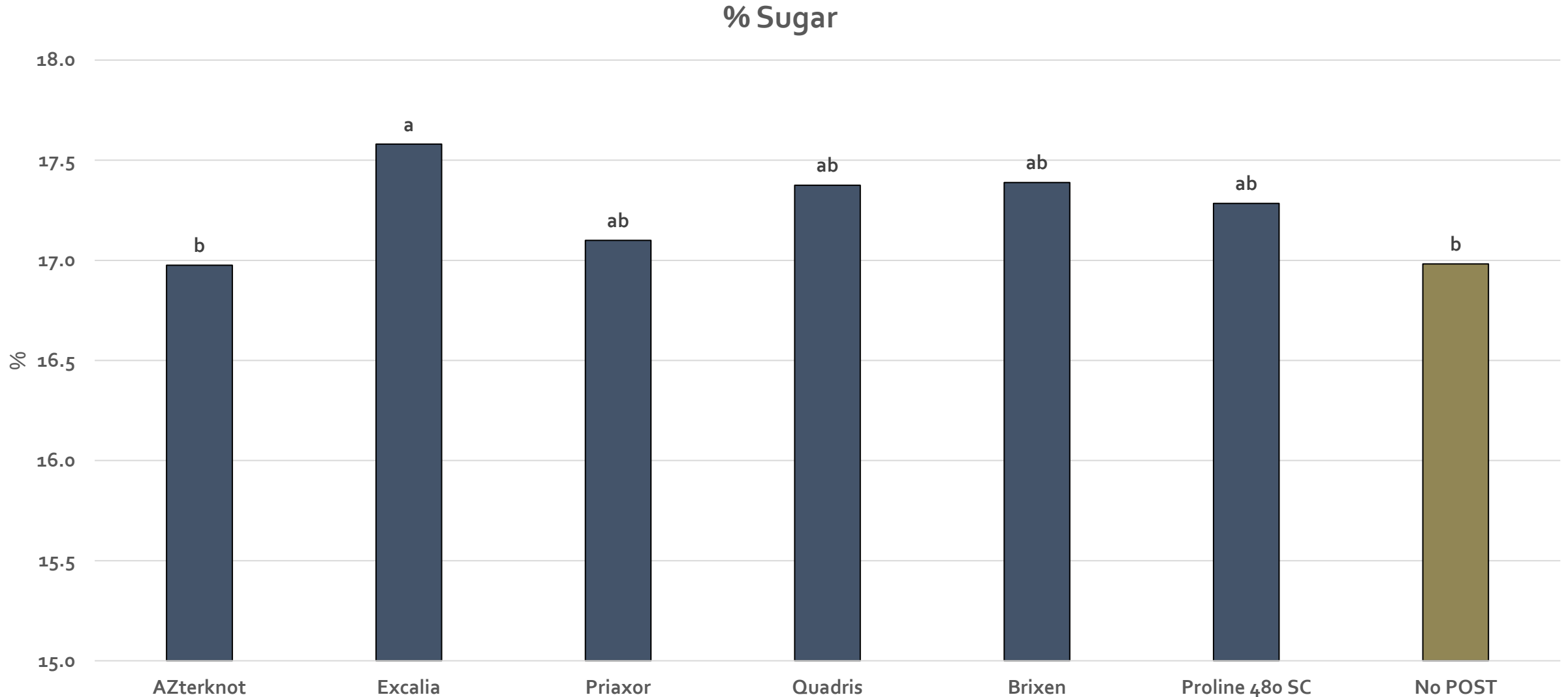
Trial Info.

- Planted: May 5, 2023
May 11, 2024
- Harvested: September 30, 2023
September 20, 2024
- Location: Wilkin County, MN
- Variety: ACH 125, *RHC Rating = 4.10*
BTS 7068, *RHC Rating = 3.74*
- Objective: Evaluate effectiveness of fungicides against Rhizoctonia. Fungicides were applied at the 4-6 leaf stage. Trial was non-inoculated; moderate disease pressure at this location.
 - 6-leaf BAND application: 6/5/2023 and 6/17/2024

Fungicide	Rate
AZterknot	12 fl oz/a
Excalia	0.64 fl oz/a
Priaxor	6.4 fl oz/a
Quadris	10 fl oz/a
Brixen	21 fl oz/a
Proline + NIS	5.7 fl oz/a + 0.125% v/v

Rhizoc POST (non-inoculated site)

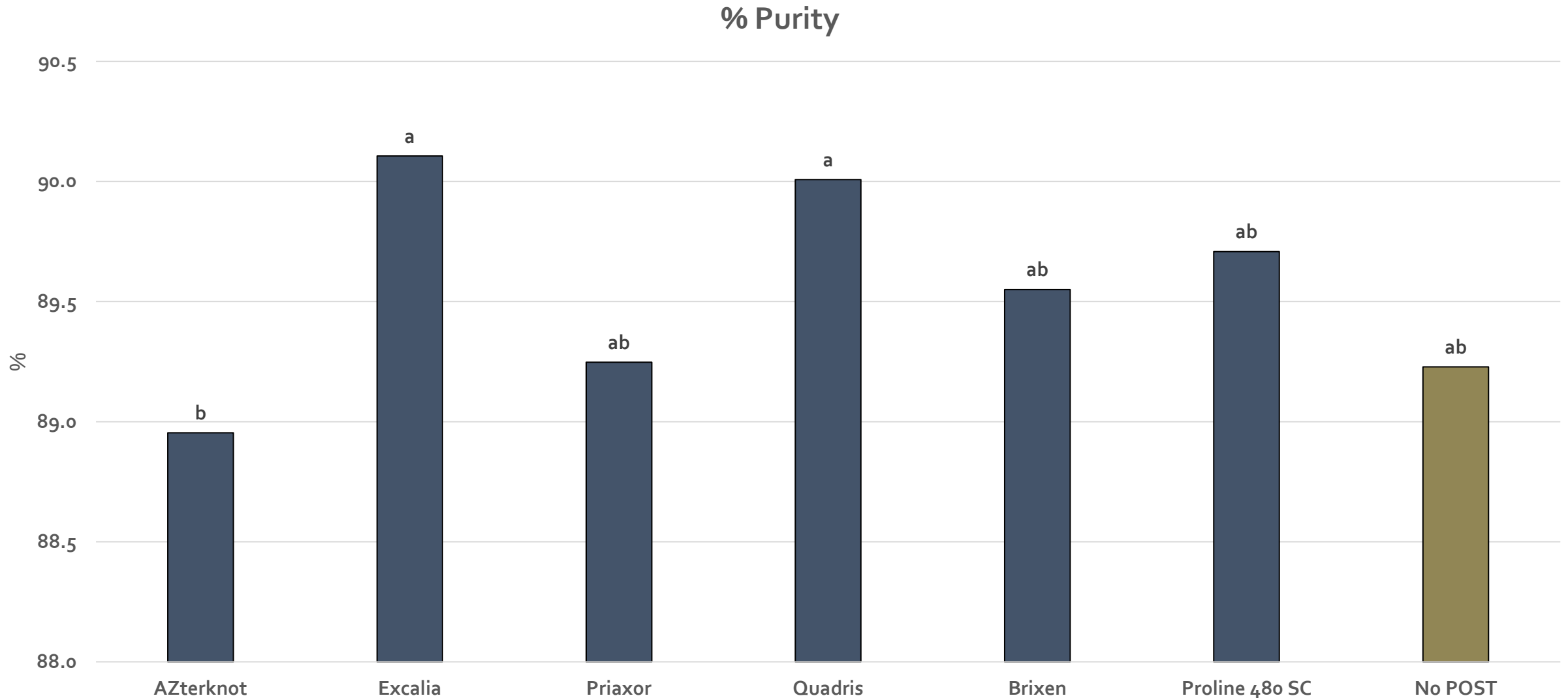
LSD (p=0.10): 0.40
CV: 2.99



Treatments with the same letter are not statistically different

Rhizoc POST (non-inoculated site)

LSD (p=0.10): 0.60
CV: 0.96



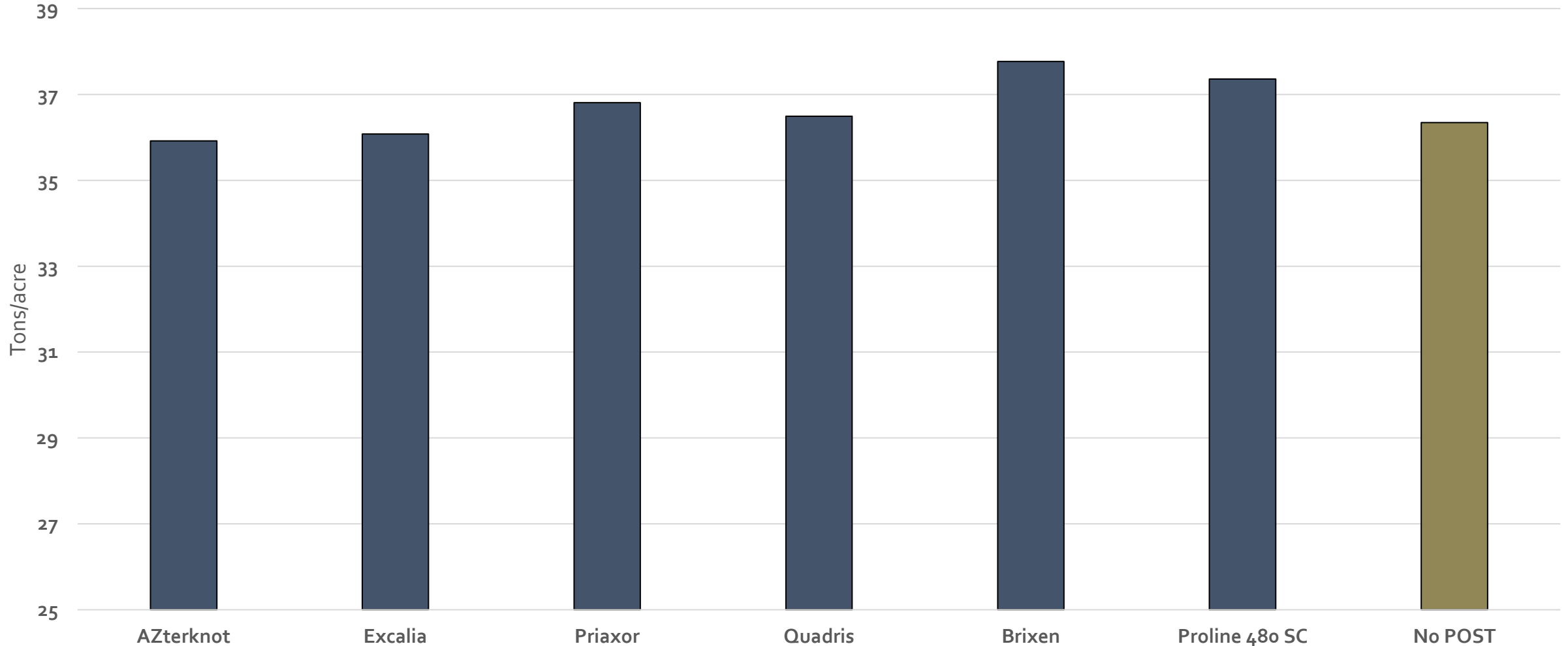
Treatments with the same letter are not statistically different

Rhizoc POST (non-inoculated site)

LSD (p=0.10): NS
CV: 5.62



Root Yield

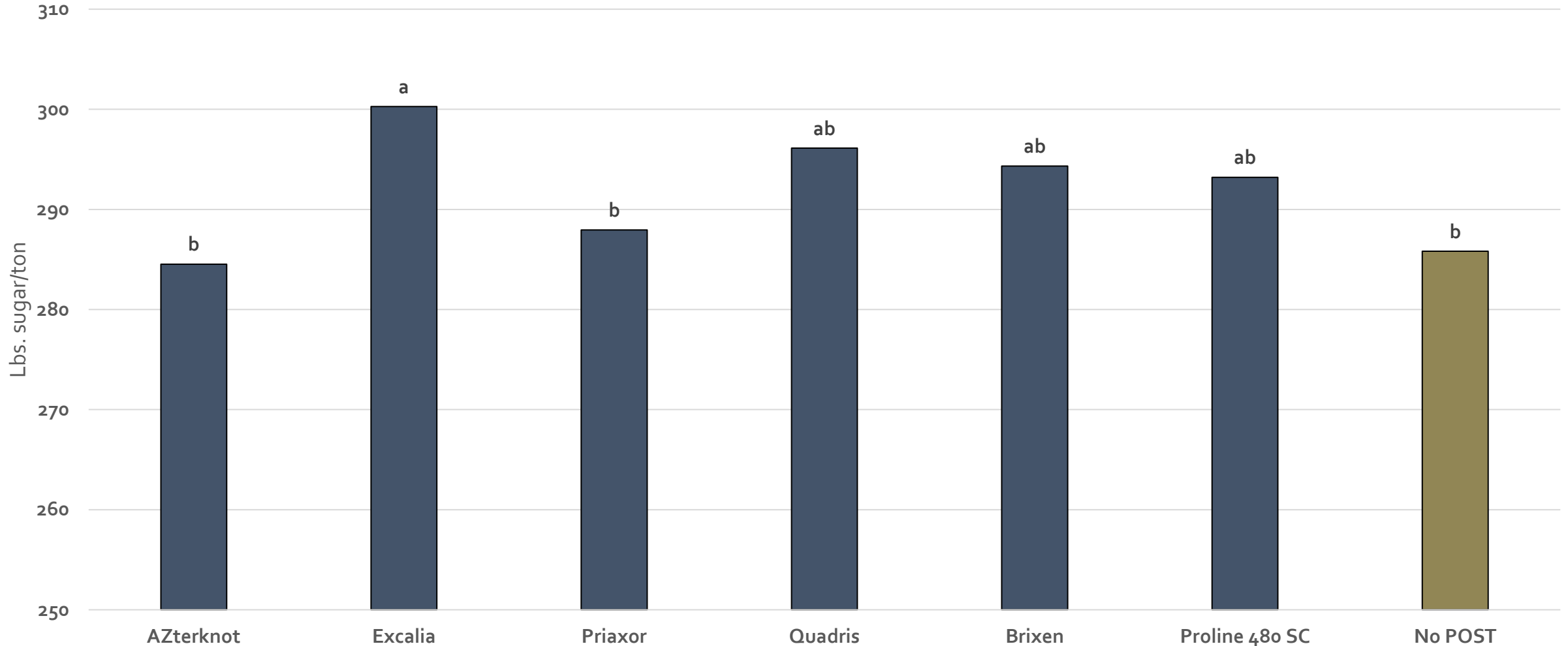


Rhizoc POST (non-inoculated site)

LSD (p=0.10): 7.60
CV: 3.82



Recoverable Sugar per Ton



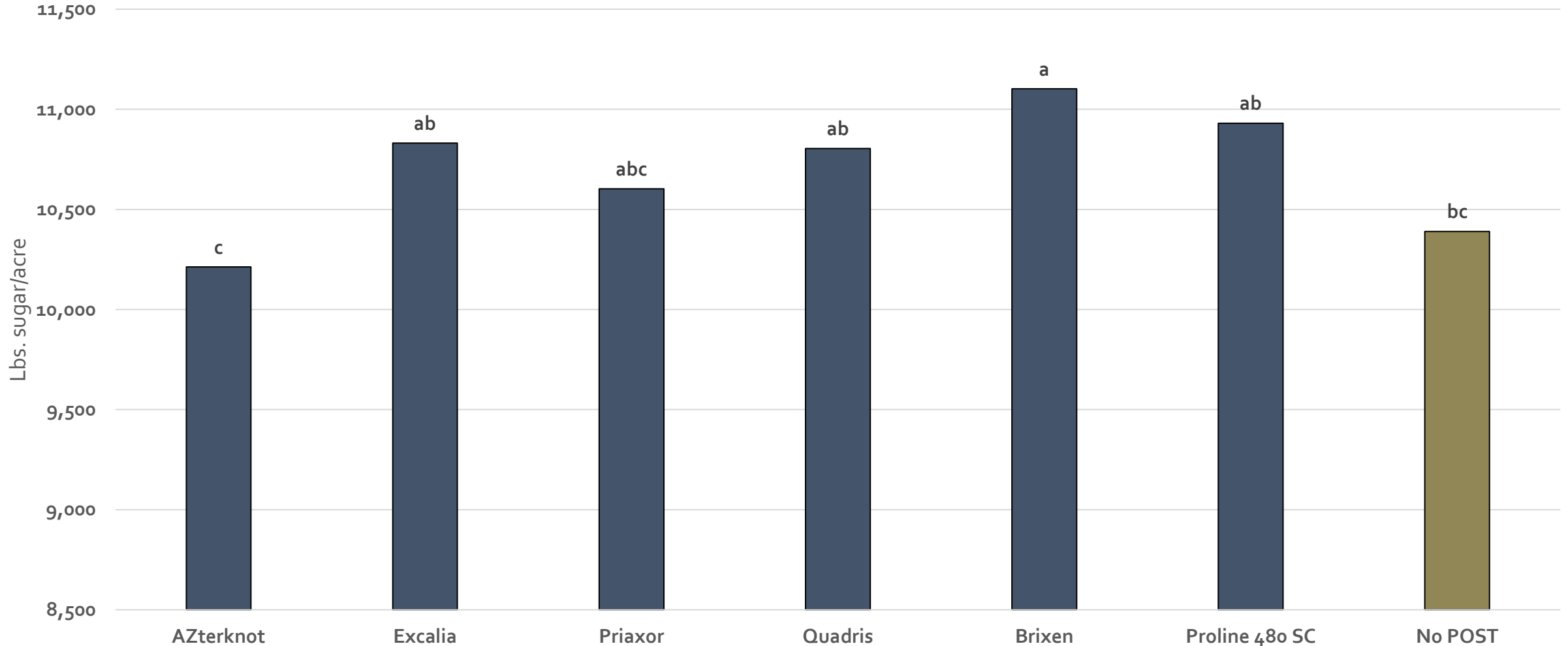
Treatments with the same letter are not statistically different

Rhizoc POST (non-inoculated site)

LSD (p=0.10): 383
CV: 5.25



Recoverable Sugar per Acre



Treatments with the same letter are not statistically different

Bottom Line

- Excalia is a good option if you need to make a POST application for rhizoctonia
 - Fields with moderate to high pressure
- Timing = 6-leaf sugarbeet
- University trials show no difference in band vs. broadcast application
- Tank mix applications will be tested going forward
 - “Complex mixtures”