



Beyond Fertilizer™

2025 PRAIRIE STAR WHITE WINE GRAPE TRIALS

Location: Absaraka, North Dakota

Conducted by North Dakota State University



Pounds/Vine

● BF4

● Grower STD*

TRIAL DESIGN

- The 'Prairie Star' vineyard was planted in 2009 with 8 ft spacing between plants and 10 ft between rows.
- Each plot was a single vine (80 square feet) arranged as a randomized complete block design with four replicates.
- The BF4 foliar applications occurred at first bloom on June 26 and July 17. Grapes were harvested on Sept. 16.

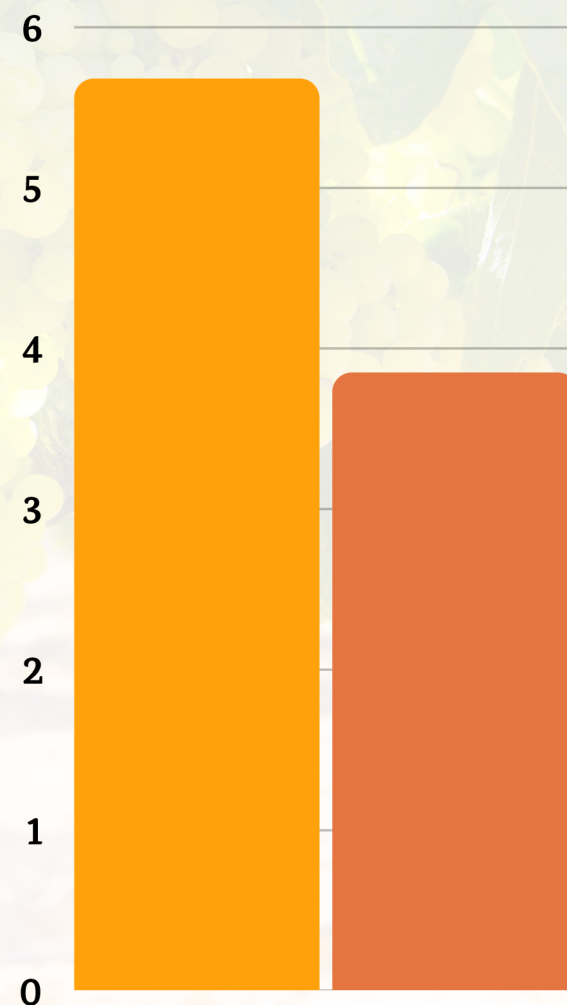
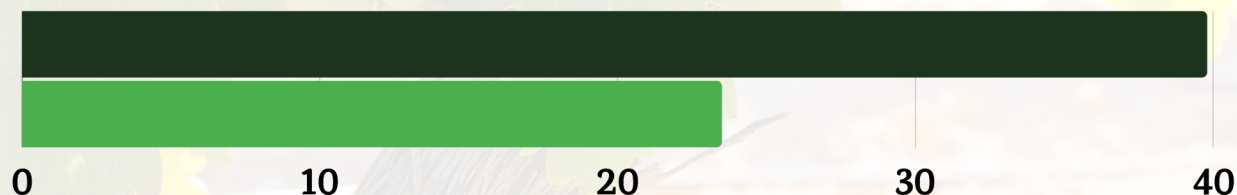
RESULTS

- **Increased clusters/vine** by 69.4%.
- **Increased Pounds / vine** by 47.5%.

Clusters/Vine

● BF4

● Grower STD*



*Grower standard: 50# NPK; BF₄ trial: 37.5# NPK + BF₄