



WINE GRAPES

Acadian® contains a complex mix of synergistic bioactive compounds that allow plants to reach their full yield potential. It improves plant quality and productivity by enhancing root growth, improving overall plant nutrition and bolstering tolerance to challenging growing conditions.

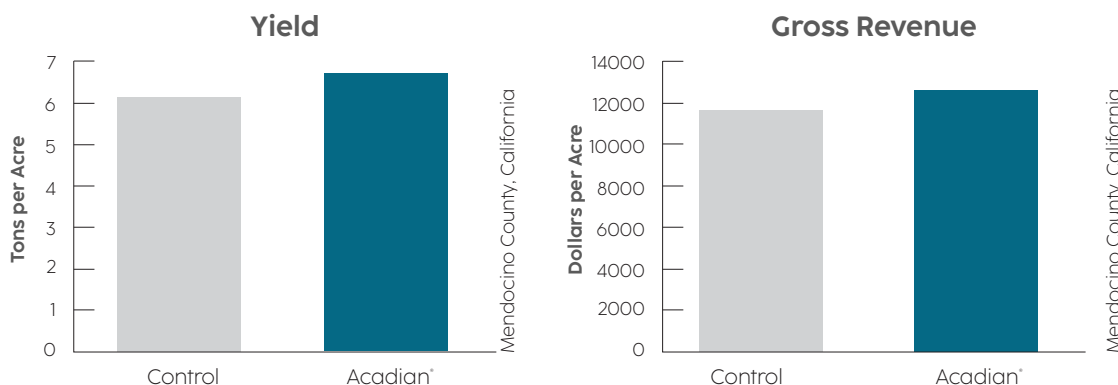
BENEFITS

- Increases nutritional uptake
- Creates looser bunches
- Mitigates environmental stresses
- Improves wine quality

ACADIAN® IMPROVES YIELD AND QUALITY

Acadian® works at a cellular level by improving the nutritional status of your crop. This, combined with the unique stress compound production it elicits, results in great juice quality and beautiful wines.

CABERNET SAUVIGNON



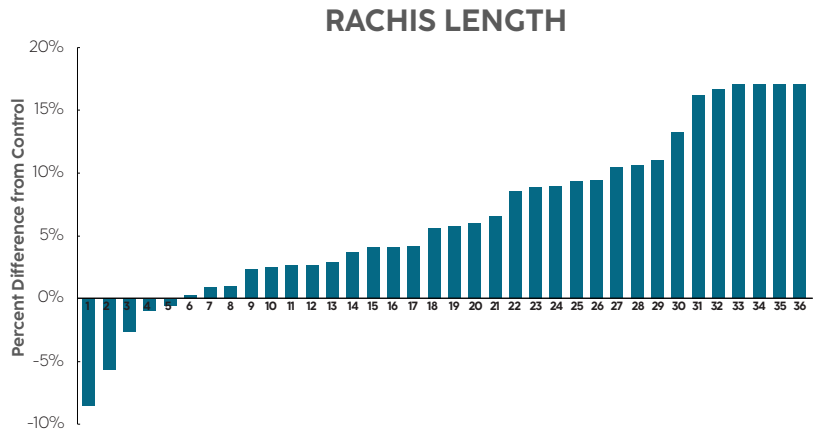
Yield was increased 5%. Prices for Cabernet are approximately US \$1,589 per ton. Gross revenue was increased in the Acadian® treatment by US \$552 per acre.



HOW DOES ACADIAN® BENEFIT GRAPES?

IMPROVES NUTRITIONAL UPTAKE:

Acadian® improves crops' nutrient uptake and drives rachis growth (stretch) for looser clusters and better airflow around the fruit. Acadian® contains natural complexing sugars that bind to micronutrients, thereby improving their translocation and bioavailability within the plant. When you apply Acadian® as part of your regular nutrition program, you're putting nutrients on the fast track and ensuring your plants get the most out of every ounce of fertilizer.



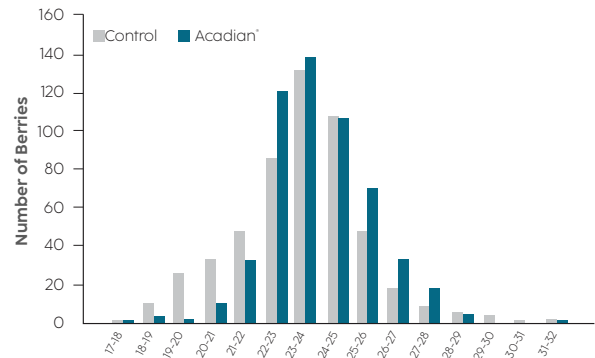
Average of 36 trials: 8.3% increase.

MITIGATES ENVIRONMENTAL STRESSES:

Don't let stress ruin your crop! Acadian® helps your crop better resist tough growing conditions by increasing photosynthesis, resulting in improved growth. This improved growth is apparent from grapes treated with Acadian®, as they have increased rachis length, allowing for improved airflow and spray penetration into the cluster.

With its numerous bioactive compounds such as mannitol, unique polysaccharides and betaines, Acadian improves a plant's tolerance to a variety of stressful growing conditions including drought, heat, chill and salinity stress.

BRIX UNIFORMITY

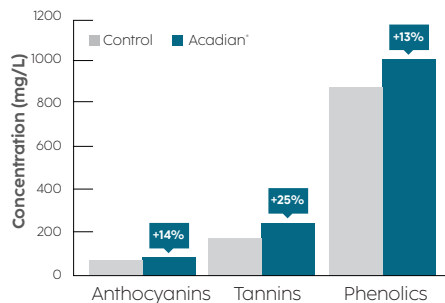


Acadian®-treated grapes had more consistent Brix readings, in a range between 22 and 26. The Control had many berries with Brix measurements that were less than 22.

IMPROVES WINE QUALITY:

Acadian® can be applied to increase yield, while maintaining or increasing wine quality. It increases berry set and reduces crop loss due to stress. In addition, Acadian® elicits the production of naturally occurring stress compounds, such as anthocyanins, which contribute to quality of the juice for high-quality wine.

PINOT NOIR WINE QUALITY



The wine made from Acadian®-treated grapes had higher levels of key quality components such as anthocyanins, tannins and phenolics.

RATES AND TIMINGS

Apply Acadian® at **32 to 96 oz per acre**:

- **1st application:** 1-4 inch shoot growth (foliar and soil)
- **2nd application:** 10-12 inch shoot growth (foliar and soil)
- **3rd application:** 5 days pre-bloom (foliar)
Avoid foliar pre-bloom application in varieties that are prone to under shatter. Use high rate in pre-bloom sprays on varieties that tend to over shatter.
- **4th application:** 'BB' sized berries (2-3 mm) (foliar)
- **5th application:** veraison (foliar and soil)
- **Repeat:** every 2-4 weeks during summer months
- **Post-harvest application:** 2-4 weeks after harvest

Acadian® mixes well with nutrients and other agricultural products.



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