

# Acadian™

## The Gold Standard in Biostimulants

Acadian is a premium *Ascophyllum nodosum* biostimulant produced through a proprietary alkaline extraction process that preserves and concentrates key bioactive compounds.

The result is a pure, fully soluble, and highly consistent formulation with 3+ years of shelf stability—delivering stronger abiotic stress resilience, improved nutrient use efficiency, and higher quality yields season after season.

Acadian provides consistent, reliable performance for table grape growers by delivering three critical advantages that directly impact your investment:

### Powerful

It strengthens stress tolerance, improves nutrient uptake, and supports stronger root development—driving healthier growth and contributing to higher yield potential even under challenging conditions.



### Versatile

It integrates seamlessly into any production program with broad tankmix compatibility, supports soil health and microbial activity, and offers a sustainable solution suitable for both conventional and organic systems.



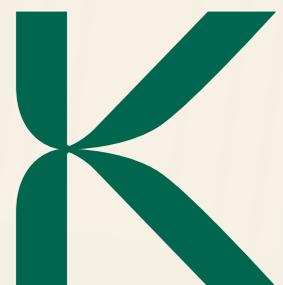
### Consistent

It delivers dependable performance thanks to its pure *Ascophyllum nodosum* extract and a proprietary alkaline process that ensures high bioactive content, full solubility, and a stable 3+ year shelf life without settling or clogging.



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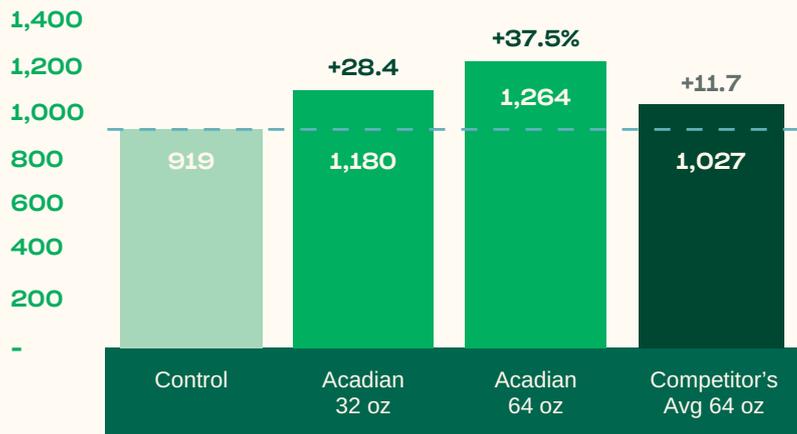
**Koppert**

## Proven Marketable Yield Advantage

Independent field trials conducted in Terra Bella (Allison) and Ducor (Krissy), California, showed that Acadian at 32 oz/acre consistently matches or outperforms competing seaweed products applied at 64 oz/acre. Across trials, Acadian delivered higher marketable yields—boosting production by 28.4% over the control, compared with 11.7% from competing treatments.

These results demonstrate that Acadian at 32 oz/acre provides table grape growers with a stronger, more reliable increase in productivity per acre.

Table Grapes: Marketable Yield (box / acre)



Acadian increased the total number of boxes harvested per acre by 28.4%. Based on average market prices at harvest (\$16 per box), this translated into an additional US\$4,176 in gross revenue per acre.

Table Grapes: Leaf Area (in cm<sup>2</sup>)



## Trial Highlights

### Bigger leaves support better fruit development

Acadian increases leaf area, enhancing the table grape vine's photosynthetic capacity. A larger, healthier canopy supports berry sizing, more uniform ripening, and stronger sugar accumulation—all contributing to higher marketable yields and improved ROI.

### Longer rachis bunches improve cluster quality

Acadian treated table grape vines produced longer rachis bunches. Rachis length influences cluster compactness, affecting airflow, berry health, and susceptibility to Botrytis. Longer, looser clusters reduce berry to berry contact, improve air movement, and support more uniform ripening and fruit quality.

### Support performance under stress

High temperatures and soil salinity can limit table grape vine productivity. Acadian improves water-use efficiency and helps table grape vines manage excess salts, supporting berry sizing and leaf function under stress.

### Enhances fruit quality

Berry size and sugar levels are key drivers for market grade in table grapes. Acadian supports higher Brix and improved fruit set, helping a larger proportion of the crop meet premium quality standards with consistent sizing.

Table Grapes: Bunch Length (in cm)



# Why Growers Choose Acadian

Acadian provides a concentrated blend of synergistic bioactive compounds that help table grapes express their full yield and quality potential. It supports stronger, more productive vines by stimulating root development, enhancing nutrient uptake, and improving tolerance to challenging growing conditions.

## Problem–Solution Fit

Problem Faced	Solution / Benefit	Why It Matters
Drought (Water stress)	Improves root growth and water use efficiency	Maintains table grape vine function and fruit development under dry conditions
Low fruit set / flower drop	Supports reproductive energy and fruit initiation	Increases yield potential and improves cluster uniformity
Heat stress	Antioxidants support heat tolerance	Reduces berry damage and helps maintain fruit quality
Uneven ripening	Supports balanced sugar and nutrient uptake	Promotes uniform ripeness across the cluster
Compact clusters / disease risk	Improves canopy strength and airflow	Reduces disease pressure by enhancing ventilation
Post-harvest	Replenishes reserves and supports root health	Helps table grape vines recover and prepare for next season (fall root flush)

## Rates and Application Timings

Apply Acadian at 32 to 64 fl oz per acre (label rate: 32 to 96 fl oz):

**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 prone to under-shatter. Use higher rates pre-bloom on varieties prone to over-shatter.

**4th–6th applications:** Sizing sprays (foliar)

**7th 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.*



### Contact & Support

For program recommendations, trial data, and local support, contact your regional representative or visit [koppertus.com](https://koppertus.com)



*Results may vary by variety, environment, and management. Always follow label directions.*

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