dober.com
info@dober.com
+1 (630) 410-7306

Improved Almond Yield & Grower Returns with Soltellus™

California Almond Case Study

Soltellus™ is a multifunctional, water-soluble, biodegradable polymer designed to enhance nutrient retention, soil health, water quality, and crop performance. Soltellus™ helps retain and release nutrients to growing plants while fostering a thriving soil microbiome. Soltellus™ is a sustainable solution for improving soil health and crop yields.

Performance Proven on California Almonds

6% Increased Yield and Quality Gains

Soltellus™ was tested in Terra Bella, CA against an untreated check in a mature almond orchard (Independence variety). The trial was conducted by Sawtooth Ag Research under a randomized complete block design with six replications of five trees per treatment.

Soltellus™ 2000L was applied at 2qt/acre via drip irrigation on three occasions: petal fall (March 10), nut retention (April 16), and nut sizing (May 26).

Yield and nut quality data were collected at harvest. Treatments did not differ in average nut weight, but did for other parameters, as follows:

Measurement	Untreated	Soltellus-Treated	Soltellus Advantage
Nuts per Acre	8,914	9,653	**+8%**
Turnout (Meat %)	28.3%	29.6%	+1.3 pts
Nut Meat Yield (lb/A)	2466	2620	+6% (154 lb/A)
Estimated ROI*	—	+$370/A	—

*Assuming $2.60/lb almond price minus $10/ac/application product cost.

GROWER OBSERVATIONS

Observations from the trial indicated healthy tree vigor and good nut fill across all replications.

INTERPRETATION

Soltellus™ increased nut count per tree while maintaining kernel weight, **resulting in a 6% yield gain** and an estimated **$370 per acre increase** in grower returns.

Treated trees also exhibited slightly better vigor and higher kernel turnout, supporting the potential of Soltellus™ to enhance yield and quality in California almond production.