



# STELLA MARIS

## STRAWBERRIES

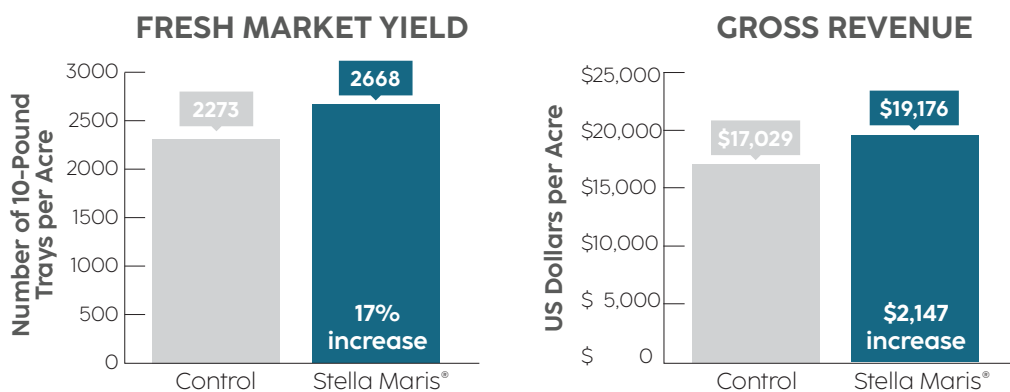
Stella Maris® contains Acadian Plant Health™'s unique technology that helps crops to reach their full yield potential. It enhances crop quality and productivity by enhancing root growth, improving plant nutrition and bolstering tolerance to challenging growing conditions.

### BENEFITS

- Improves rooting
- Increases crown division
- Mitigates environmental stresses
- Improves yield quality and quantity

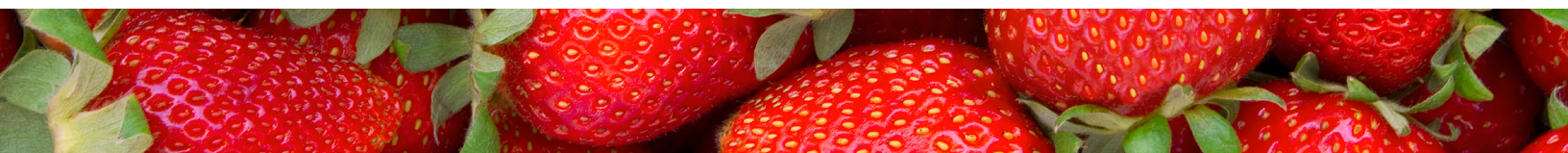
## STELLA MARIS® IMPROVES YIELD AND QUALITY

Stella Maris® allows your crop to make the most of the nutritional program by promoting robust root growth. This results in more marketable fruit, which is demonstrated not only by higher yield but also increased gross revenue.



### AVERAGE OF FIVE TRIALS, California, United States

Stella Maris® promotes a better crop from planting to harvest. Over a series of five different trials, Stella Maris® increased the total number of trays harvested per acre by 17%. Based on the market price on the day picked, it increased gross revenue per acre by US \$2,147.



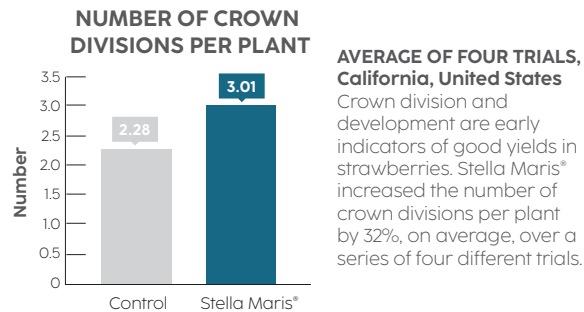
# HOW DOES STELLA MARIS® BENEFIT STRAWBERRIES?

**IMPROVES ROOTING** Stella Maris® contains beneficial compounds such as fucose-rich sulphated polysaccharides and alginates, which enhance formation of small absorptive roots, root tips and total root surface area.



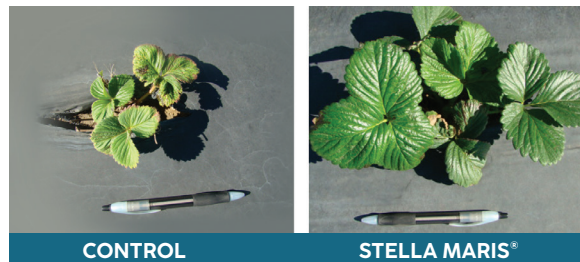
Plants on the bottom row were treated with Stella Maris® at 2 qt/A through drip irrigation every two weeks. The Stella Maris®-treated plants had larger and healthier root systems. In particular, they had more small absorptive roots.

**INCREASES CROWN DIVISION** Healthier root systems improve the uptake of nutrients and water, leading to stronger plants and improved crown division.



In the trial featured in the photo (left), Stella Maris®-treated plants were better developed and had stronger early vigor than the Control plants. Plants with strong early vigor have better yield potential.

**MITIGATES ENVIRONMENTAL STRESSES** Betaines have been shown to help plants adjust their water and salinity levels. When high salt levels are present in the soil, betaines and other osmotic substances found in Stella Maris® help plants sequester excessive salts in non-leaf tissues, allowing for healthier transpiration and photosynthesis for consistent growth and better berry set and sizing.



In this trial, soil salinity was 5.22 mmhos/cm while the ideal range is 0 - 2.00 mmhos/cm. Three evaluations throughout the trial showed that Stella Maris®-treated strawberry plants had less sodium present in leaf tissues than Control plants growing in the same saline conditions.

This suggests that Stella Maris® prevents salt from moving into the leaves, where it can cause damage. In the same trial, Stella Maris®-treated plants yielded 19% more trays per acre compared to the Control. As shown in the photos, Stella Maris® plants grew more vigorously and showed fewer symptoms of salt burn.

## IMPROVES YIELD QUALITY AND QUANTITY

Strawberry plants that grow strong, full root systems take up more key nutrients and resist stress better. This allows for more crown development, maximized fruit set and improved yields.

## RATES AND TIMINGS

### FIELD

- **Pre-Plant:** dip roots in a 0.4% solution of Stella Maris®.
- Apply to the soil every 7-30 days at 2.5-5 liters per hectare (1-2 liters per acre).
- Additional applications can be made 3-5 days prior to anticipated plant stress.

### HYDROPONIC

Dilute Stella Maris® to a ratio of 0.035 ml/L to 0.070 ml/L. In a recirculation system, replace solution regularly (every 1-2 weeks). In a non-recirculation system, apply solution with every pulse.

Stella Maris® mixes well with nutrients and other agricultural products.



**ACADIAN**™  
**PLANT HEALTH**  
**SEA BEYOND**

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