

STRETTA™

IRRIGATION WATER OPTIMIZER



STRETTA™ is the first patented plant-derived irrigation water optimizer with fertilizer compatibility. STRETTA improves the availability and performance of irrigation water, nutrients, and other soil-applied products throughout the plant root zone, optimizing the growing environment.

STRETTA FORMULATION

- Compatible with most fertilizer products including ammonium or potassium thiosulfate, ammonium nitrate, urea solutions, UAN, and phosphate-based fertilizers
- Enhances soil-applied input performance by maintaining ideal moisture levels in the plant root zone
- Holds water in the root zone, reducing stress and optimizing the moisture environment for plant growth
- Improves crop quality and increases yield
- Maximizes growers' return on investment

USE RATES & APPLICATION INTERVAL

- Apply 2 quarts per acre at crop establishment and every four weeks to crop harvest
- Number of applications will vary depending on crop and climate conditions

APPLICATION METHOD

IRRIGATION INJECTION IS THE PREFERRED METHOD: Apply through an irrigation system using drip tubes, tape, micro emitters or overhead sprinklers. Do not apply STRETTA through earthen ditches. While compatible with most commonly used products, a jar test should be performed to ensure compatibility. Agitate as needed in fertigation tanks to ensure uniform injection of nutrients and STRETTA. Always use back-flow prevention when injecting STRETTA or other injectable products.

STRETTA™

FERTILIZER AND PESTICIDE COMPATIBILITY

- ✓ Superior compatibility with common fertilizer and pesticide products
- ✓ Ready to use formulation without need for pre-dilution
- ✓ Mixes uniformly with fertilizers and pesticides with no required agitation
- ✓ Does not plug screens, strainers, lines, or nozzles

FERTILIZER COMPATIBILITY



10-34-0 naturally separates even without combining with other products.



STRETTA stays in solution with common fertilizer products. 10-34-0 requires agitation with or without STRETTA.

PESTICIDE COMPATIBILITY



Common pesticide products without STRETTA.



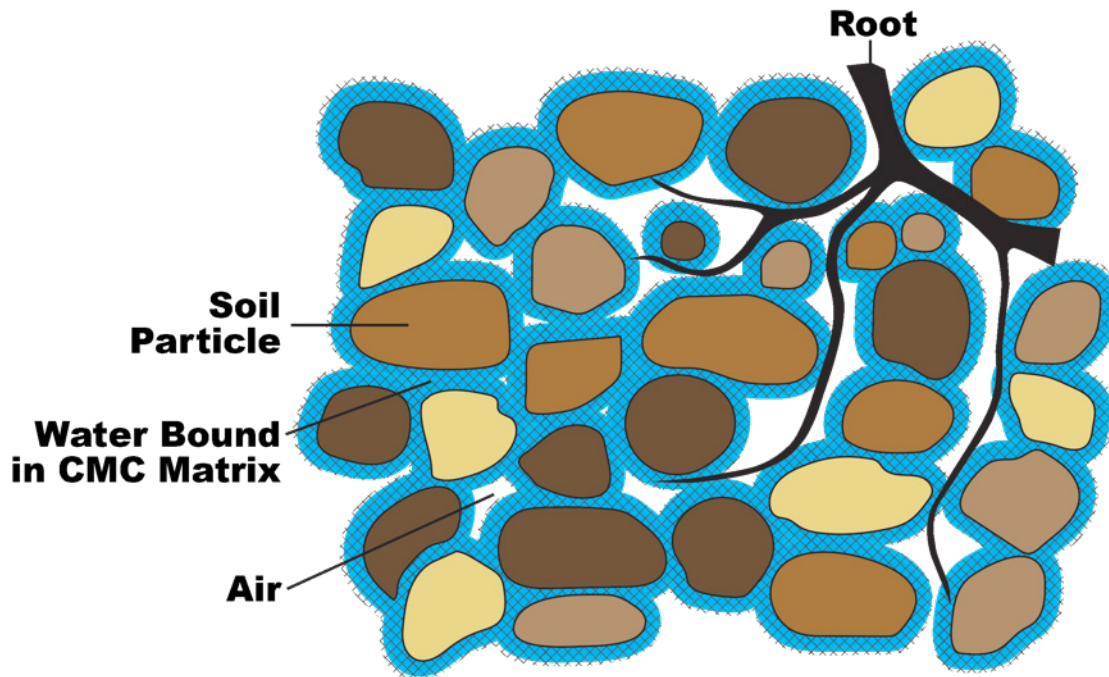
STRETTA adds a darker, amber color, but mixes easily.

STRETTA™

HOW IT WORKS

The carboxymethyl cellulose (CMC) active ingredient in STRETTA is derived from cellulose, which is a polysaccharide compound that is a component of plant cell walls. In its natural form, cellulose is insoluble. It is made soluble through a chemical process called carboxylation, resulting in formation of CMC. In its soluble form, CMC is hydrophilic or water loving.

When STRETTA is irrigation injected into the soil, it interacts with the soil, air, water interface to form a matrix, where it binds and absorbs water and loose soil particles, as well as nutrients and other soil-applied inputs injected via irrigation.



With formation of the matrix, CMC improves soil physical properties such as soil porosity, water holding capacity and infiltration rate. The water, nutrients, and other soluble inputs absorbed in the soil matrix are then released to the plant root as needed.

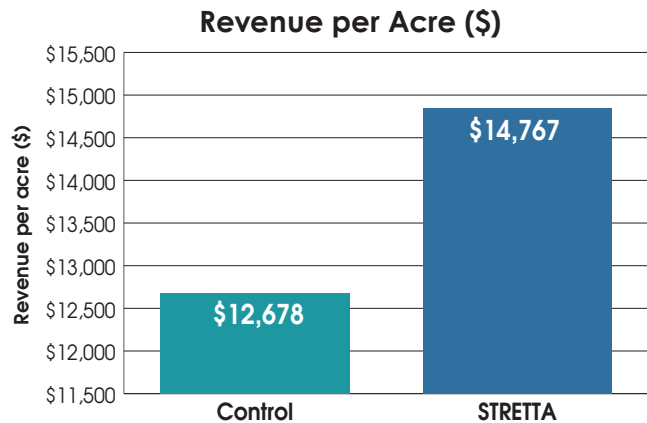
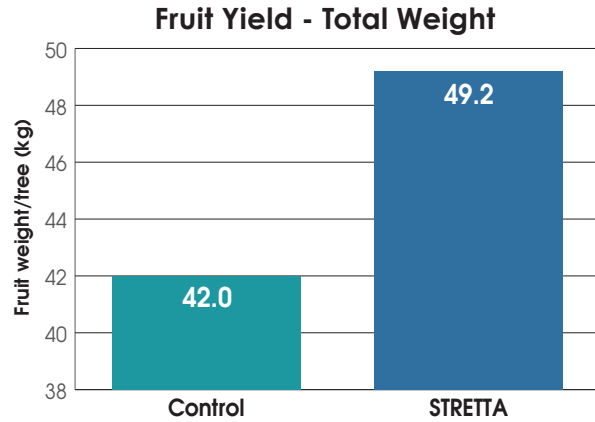
STRETTA™

FOR MANDARIN ORANGES



17%

increase in Fruit Yield
with STRETTA



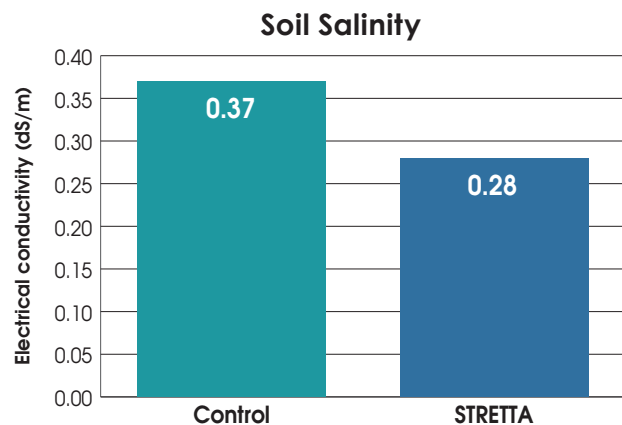
25.9x

or **\$2,089** increase per acre
in ROI with STRETTA



24%

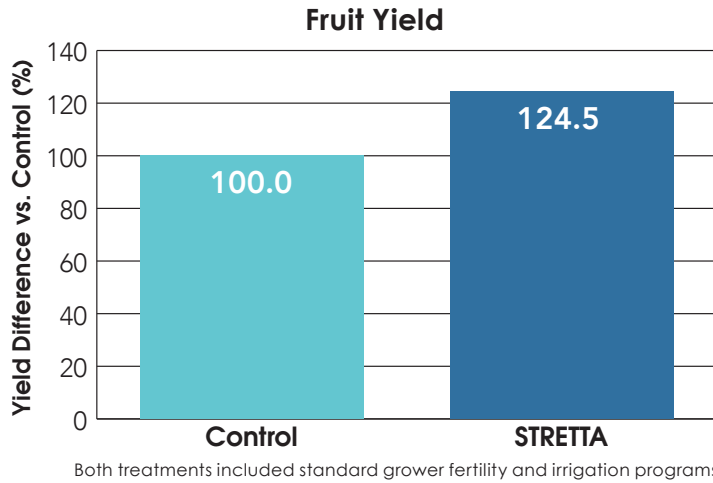
decrease in Soil Salinity
with STRETTA



Research was conducted by Dr. Ashraf El-kereamy, University of California Riverside Cooperative Extension, on Tango mandarin oranges grown on a sandy loam soil. Stretta was applied during a micro-sprinkler irrigation cycle at an initial rate of 2 quarts per acre, followed by subsequent applications at 1 quart per acre. Stretta was applied in four-week intervals for a total of six applications. Both treatments included standard grower fertility and irrigation programs. Soil analysis showed a significant reduction of salinity along with similar reductions in sodium, calcium, and magnesium salts. ROI calculation assumes 388 trees/acre, 80 pounds/box, and \$28.29/box according to 2019 NASS Ag statistics and is based on the suggested retail price of STRETTA.

STRETTA™

FOR STRAWBERRIES



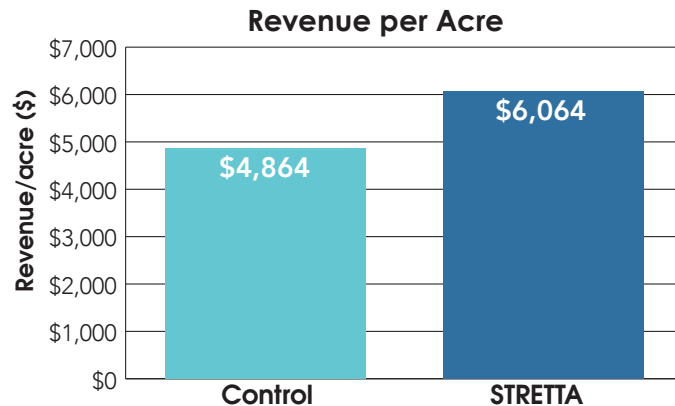
24.5%

increase in strawberry yield with STRETTA



16.7x

or a **\$1,128** increase in ROI per acre with STRETTA



Research was conducted by Al Herndon with Agri-Help Inc. in a commercial field of strawberries in Citrus County, FL in which STRETTA was applied through the drip irrigation system. Five applications were made at three-week intervals in fine, sandy loam soil. The first application was 2 quarts, followed by four 1-quart applications. Irrigation was applied at the grower standard for 60 minutes once or twice per day depending on the environmental conditions. Strawberries were harvested ten times over the two-month period beginning in early December through the end of January. Revenue calculations were made based on the strawberry market pricing at the time when the trial was conducted.

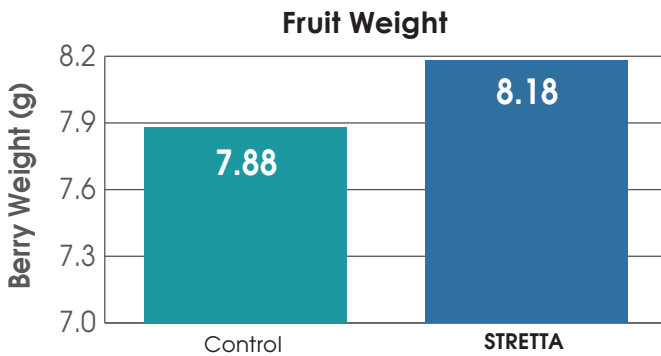
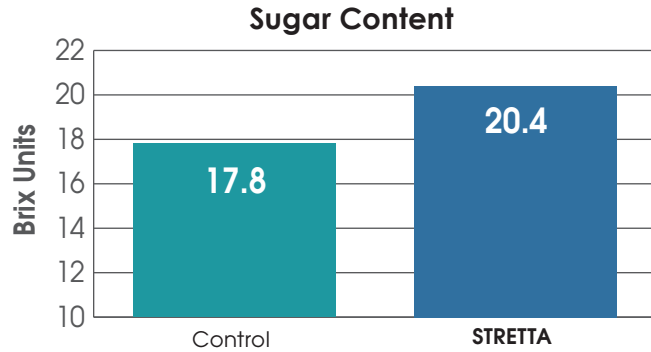
STRETTA™

FOR TABLE GRAPES



14.6%

increase in sugar content
with STRETTA



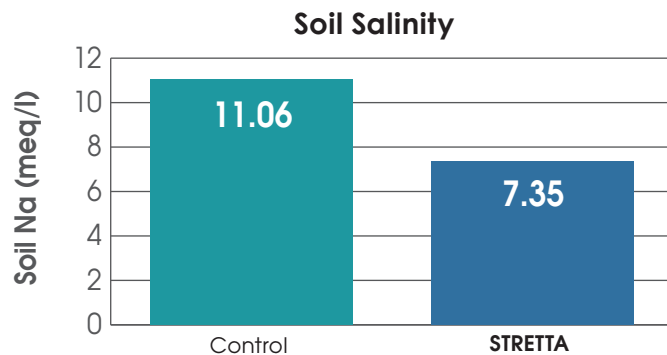
3.8%

increase in berry weight
with STRETTA



33%

reduction in soil sodium
with STRETTA



Research was conducted over a two-year period by Dr. Ashraf El-kereamy, University of California Cooperative Extension, on Scarlet Royal table grapes grown on a sandy loam soil in a grower vineyard. STRETTA was injected through drip irrigation at a rate of 2 quarts per acre in 3-4 week intervals for a total of six applications each season.

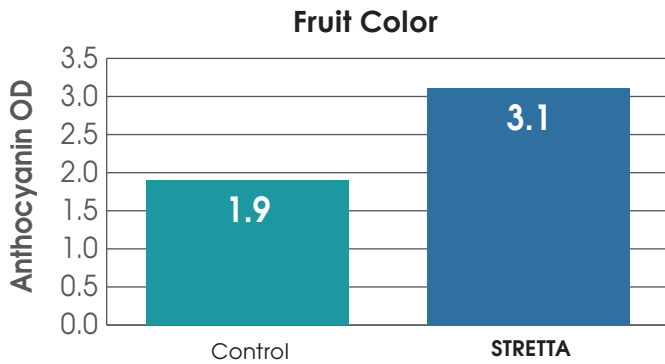
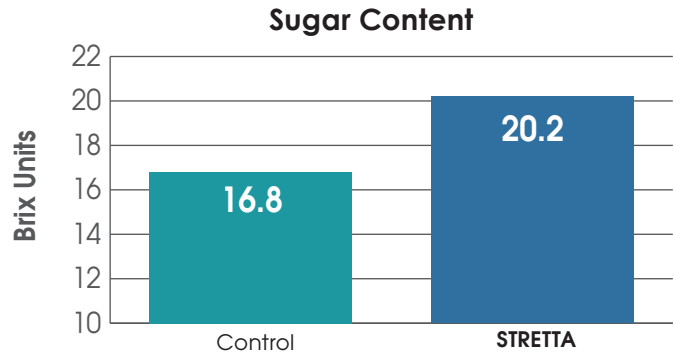
STRETTA™

FOR TABLE GRAPE VINEYARD ESTABLISHMENT



20.2%

increase in brix
with STRETTA



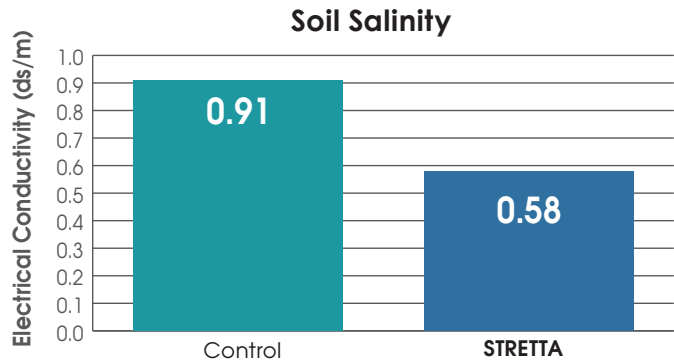
63.2%

increase in color
with STRETTA



36.3%

reduction in salinity
with STRETTA



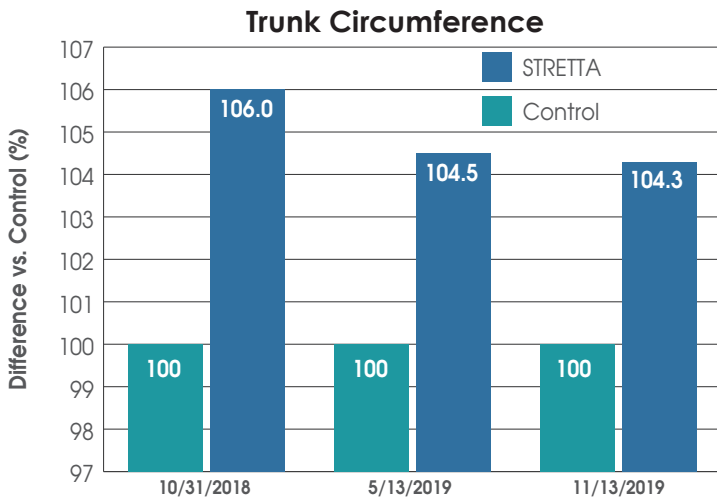
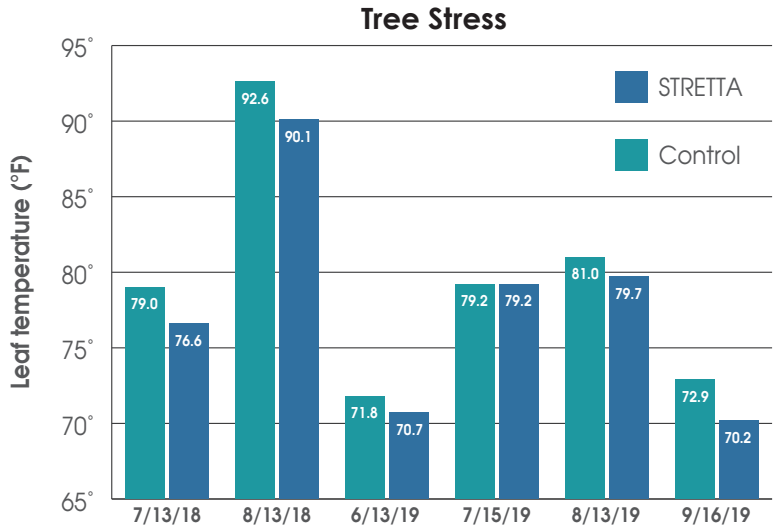
Research was conducted by Dr. Ashraf El-kereamy, University of California Cooperative Extension, on a newly established Flame Seedless table grape vineyard in sandy loam soil. STRETTA was applied through drip irrigation at an initial rate of 2 quart per acre, followed by subsequent applications at 1 quart per acre. STRETTA was applied in 3-4 week intervals for a total of six applications. Trial results collected at the end of the 3rd season following vineyard establishment.

STRETTA™

FOR ALMOND ORCHARD ESTABLISHMENT

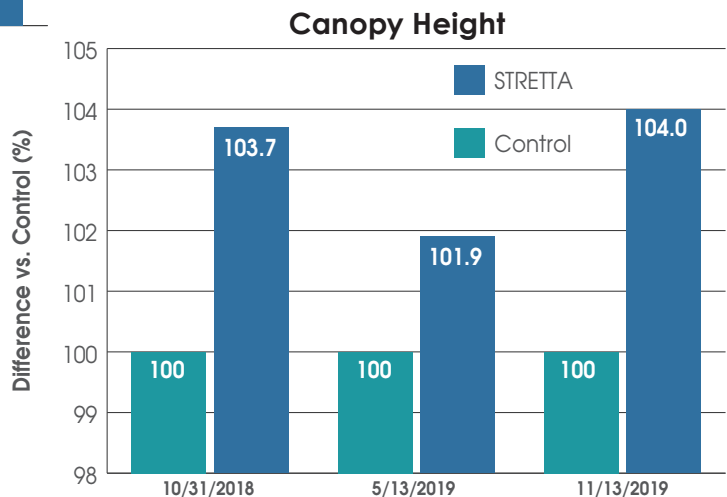
Average of
~2°F

decrease in leaf temperature,
demonstrating stress reduction in
season with STRETTA



Average of
4.9%
increase in trunk
circumference with STRETTA

Average of
5.2%
increase in canopy height
with STRETTA



Research was conducted by a third party researcher on a newly established almond orchard (variety Independence) in sandy loam soil. STRETTA was applied through a micro sprinkler at a rate of 2 quarts per acre. STRETTA was applied in 4-6 week intervals for a total of six applications. Leaf temperature and tree growth data obtained over the first two seasons post-planting.

STRETTA is a trademark of Precision Laboratories, LLC