

Guarantee®

Increases TOMATO Yields

Guarantee® increases yield of tomatoes by 16% over the grower standard.

STUDY OBJECTIVE

To investigate the overall crop production enhancement provided by application of **Guarantee®** compared to a grower standard fertility program.

LOCATION/SCIENTISTS

Ventura County, CA

Investigator: David Holden, agronomist, Holden Research

Study Director: Sarah Williams, Ph.D., Ocean Organics

DESIGN

Replicated trial with **Guarantee®** applied in irrigation drip tape at planting, followed by 3 more applications at 3-week intervals (one at pre-bloom). Transplanted Roma-type tomatoes were used.

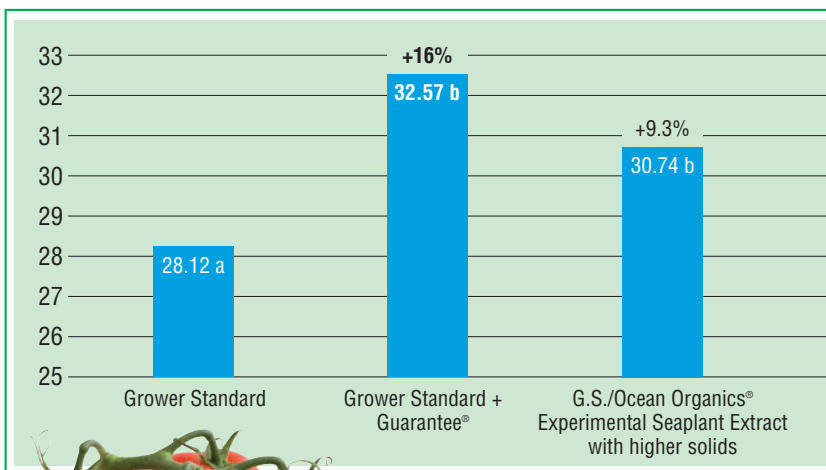
TREATMENTS

Control: Grower standard practices

Treatment 1: Grower standard practices, plus Ocean Organics® **Guarantee** (2 pints/acre)

Treatment 2: Grower standard practices, plus Ocean Organics® seaweed extract experimental with increased solids (2 pints/acre)

TOMATO YIELD IN TONS/ACRE



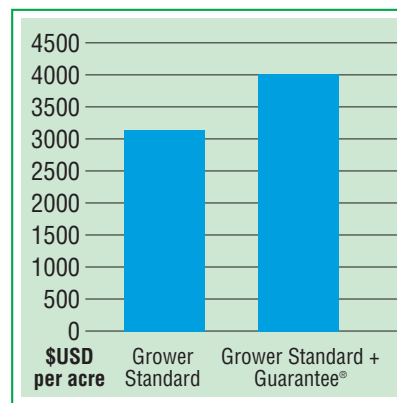
RESULTS

Holden Research performed replicated sampling for final commercial production and performed statistical analysis. **Guarantee®** increased yield by 16%. Normal yield in Ventura County is about 25-30 tons/acre.

A unique and desirable characteristic of **Guarantee®** is higher active ingredient levels with lower viscosity (fewer solids). Our lower viscosity Extract dramatically reduces the risk of incompatibilities when combined with additional materials.

HOW DOES THIS AFFECT GROWER'S INCOME?

Based on 2012 tomato prices and conservative estimates of grower costs¹, the applications of **Guarantee®** would increase grower income by \$890 per acre.



¹ Based on 2012 fresh tomato selling prices of \$8 per 25 lb cartons, and subtracting \$5.50 per 25 lb carton for labor and transportation, and again subtracting approximate growing costs of \$2,500 per acre. Tomato prices found on <http://marketnews.usda.gov>

Ocean Organics is a manufacturer of high performance, scientifically proven seaplant-extract based biostimulants, plant growth materials and granular fertilizers. Our state-of-the-art products contain unique and proprietary constituents. Founded in 1977, we are the developers and manufacturers of the Emerald Isle foliar fertilizers and biostimulants, now owned and distributed to professional turf and ornamental markets by Lebanon Turf Products. Our materials have been tested in over 25 universities and independent laboratories.



Ocean Organics®

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