

Utopia Tomato Trial Winter/Spring 2010

Objective: To determine the efficacy of OceanSolution™ for growing tomatoes, and specifically, to determine the food value of different growing methods.

Trial Location: Weirs-Turner Farms DBA Utopia Farms, Utopia, Florida 34241

Trial Dates: March 9-July 8, 2010

Contact: Skeeter Bethea, Manager

Method: The control here named “conventional” used traditional soil-test-dependant NPK methodologies applied as a foliar every 5 days. The OceanSolution (OS) program was applied every 7 days as a foliar, and it provided savings in labor, diesel and soil compaction.

Results: OS parcels grew faster, producing larger fruit in greater quantities than the conventionally treated parcels.

Yield- The conventionally grown yield was 20 bins per acre (each bin holds thirty 25lb boxes or flats) while the OceanSolution method yielded 30 bins per acre representing a 50% increase. In the words of someone present, “We filled five-gallon containers with product samples – and needed to walk approximately thirty yards in the OceanSolution area in order to gather enough product. The density of the fruit was far inferior in the conventional section, to the point where we need to zig-zag through five rows of plants (approximately 125-150 yards) in order to gather enough fruit to fill the five-gallon container for testing.”

Analysis-

<u>Compound</u>	<u>Green-Conv.</u>	<u>Green-OS</u>	<u>Ripe-Conv.</u>	<u>Ripe-OS</u>	<u>Percent Increase OS</u>
<u>Vitamin C</u>			13.4	15.70	15.80%
<u>Brix</u>			5.3	5.5	3.07%
<u>Vitamin C</u>	10.1	11.6			13.82%
<u>Vitamin A</u>					
<u>Carotene</u>	32.7	53.7			48.61%

Conclusions: The data indicates that OS protocols can significantly increase tomato yields while also positively affecting the food value/bio-active compounds. Further, this occurred using an OS program which was less expensive than the competing conventional program.



7453-C Commercial Circle, Ft. Pierce, Florida 34951 Tel. 941-921-2401 Fax 941-866-0318

www.oceangrown.com email: info@oceangrown.com

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