

TOMATO TRIAL RESEARCH SUMMARY



OBJECTIVE

This research performed by **University of Florida** assessed the effects of **TrueSolum™** on the marketable yield of tomato crops, when compared with untreated control.

TRIAL SPECIFICS

Location: Balm, FL

Timing: Weekly (5 applications)

Experiment Design:

Trial Period: Sep 12 – Nov 29, 2018

- Complete randomized block design
- 14 plants/plot
- 4 replicated plots per treatment

Application Method and Rate:

- Foliar Spray: 0.4 gal/acre (1:250, 100 gal/acre)
- Drip Injection: 0.5 gal/acre

RESULTS

Throughout the study, it was observed that the plants in the **TrueSolum** treated plots produced more fruit than the control plots. As seen in Figure 1, **TrueSolum** treatment increased medium, extra-large and total marketable fruit yield by 6%, 10% and 7%, respectively. In addition to the effects in marketable yields, the study verified that **TrueSolum** treatment increased canopy area at the fruit setting stage by 14%, while leaf nutrient analyses have shown improvements in both micro and macronutrients in different growth stages.

Treatment	Marketable Yield (t/ha)			
	Medium	Large	Extra Large	Total
Control	5.3	7.4	24.2	37.0
TrueSolum	5.6	7.3	26.6	39.5
TrueSolum vs. Control	6%↑	1%↓	10%↑	7%↑

Figure 1

CONCLUSION

TrueSolum treatment resulted in a **7% total marketable yield increase** versus control. Moreover, improvements in plant structure and nutrient content were observed.

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