

# Field Trial **+PROD**

To evaluate  
Its effectiveness in **production** on  
**Tomato** crop  
(*Lycopersicum esculentum*)



Introduction

Objectives

Material and Methods

Results and discussion

Conclusions

## The Product

**+PROD** is a water soluble liquid **bioestimulant**

It contains **natural organic compounds**, microelements and **metabolic fuels** that favour the generation and transport of photoassimilates needed for production.

## The Product

**+PROD** has been developed by the **R+D+i** department of **ARTAL Agrinutrients**

Together with various Universities and Research Centers in order to:

- Increase production
- Improve the crops quality



# F.S. TRIALS

## Objectives

To evaluate and measure the effect of **+PROD** on:

The greenhouse tomato **production** during crop cycle.

## Material and methods

Location: **La Vega de Almería (Almería)**

Crop: **Tomato** – Type: **Canario** - Variety: **Ramile**

Planting framework: **1,5m X 0,5m (26.666 plants/Ha)**

Soil texture: **Sandy**

Transplant: **August 23**

## Material and methods

**+PROD** plot area: 1.910 m<sup>2</sup>

Test plot area: **1.900 m<sup>2</sup>**

Type of application: **irrigation by dripping**

**+PROD dose**: 6 applications at a rate of **5 L/Ha**(total 30 Lts / Ha and crop cycle)

**1st Application**: **15 days** after transplanting (September 3)

**Following Applications**: **monthly application**

(October 5, November 13, December 4, January 9 and February 6)

## Results and discussion

## Harvest assessment

total Kg/m<sup>2</sup> harvestedCompleted **+PROD** applications.

		Harvest. Completed applications of <b>+PROD</b>		
		with <b>+PROD</b>	TEST	
nº	Date	Kg/m <sup>2</sup>	Kg/m <sup>2</sup>	% DIF.
17	Mar 13	0,800	0,860	-7,0
18	Mar 21	0,445	0,527	-15,6
19	Mar 25	0,420	0,449	-6,4
20	Apr 01	0,703	0,578	21,6
21	Apr 08	0,649	0,569	14,1
22	Apr 15	0,782	0,731	6,9
23	Apr 22	0,535	0,676	-20,8
24	Apr 30	0,612	0,585	4,7
25	May 06	0,524	0,461	13,7
26	May 14	0,648	0,595	9,0
27	May 20	0,727	0,697	4,2
28	May 27	0,052	0,052	-0,4
Plot 2		6,897	6,780	1,73

## Results and discussion

## Harvest assessment

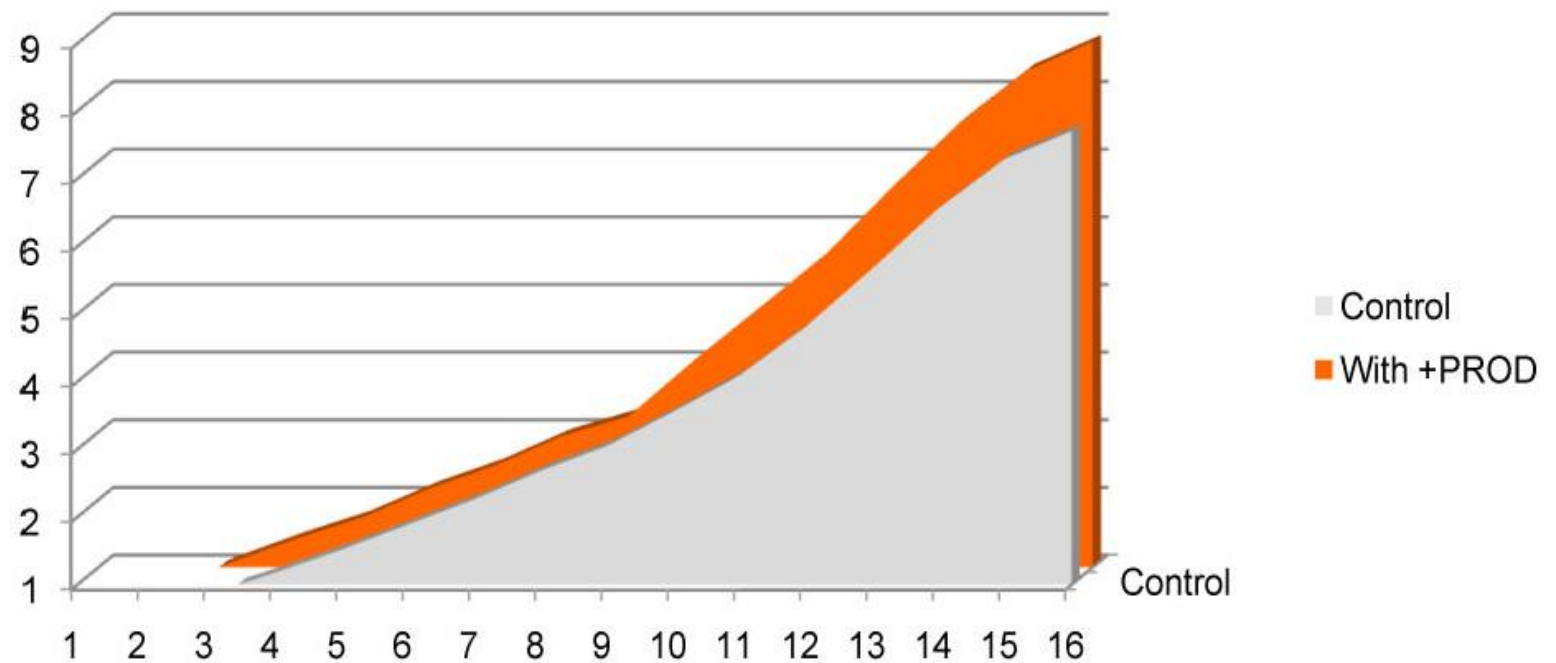
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## Results and discussion

**Graph 1**

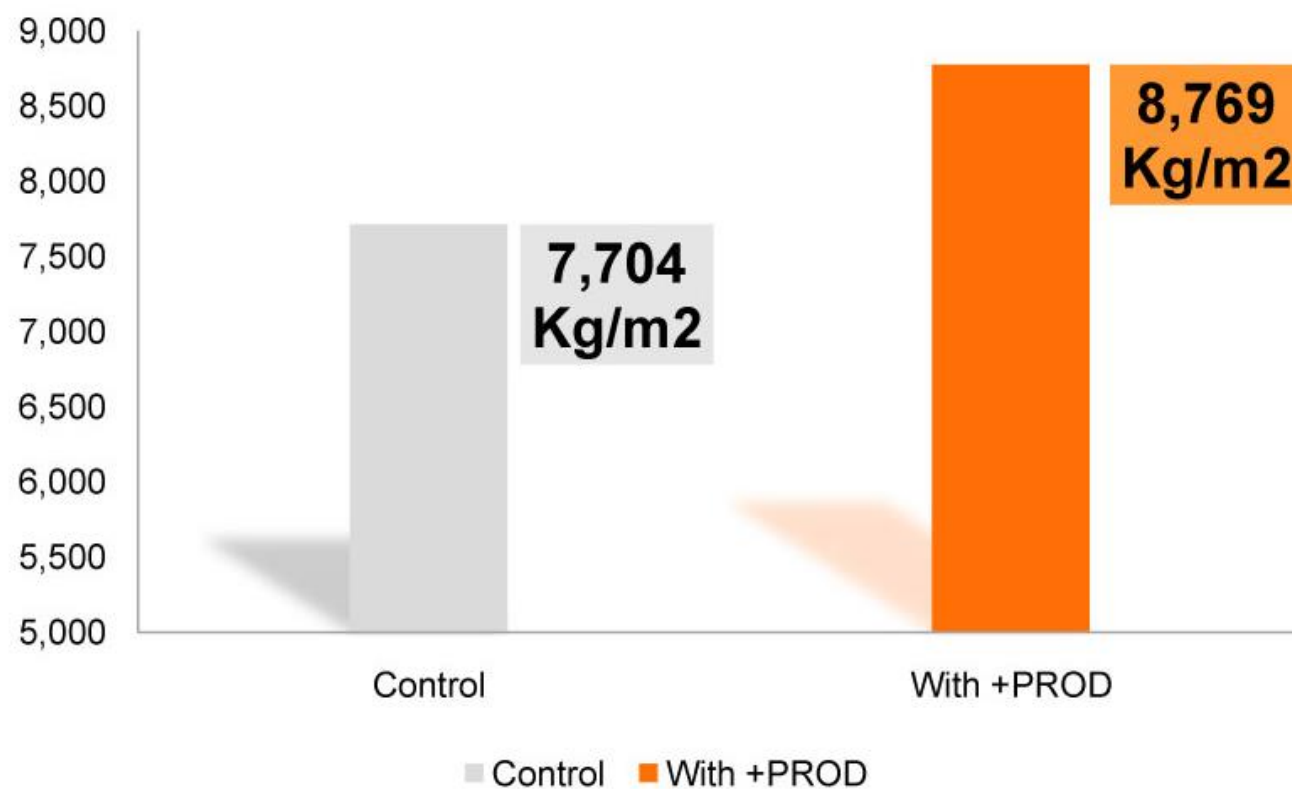
Harvest gained during the application of **+PROD** (Kg/m<sup>2</sup>) and day of collecting



## Results and discussion

### Graph 2

Total production during the application of **+PROD** (Kg/m<sup>2</sup>)



## Results and discussion

**Graph 3**

Percentage difference accumulated during the application of **+PROD** (Kg/m<sup>2</sup>)



## Conclusions

Applying **+PROD** on **tomato** regularly  
from the beginning we get:

**+ 13,82%**

**More production**