

# Field Trial **ENRAIZAL**

To evaluate  
**roots development**  
in **tomato** crop



Field trial conducted by FS Trials  
for **ARTAL Agronutrientes**  
[www.artal.net](http://www.artal.net)

**Introduction**

**Objectives**

**Material and Methods**

**Results and Discussion**

**Conclusions**

## The Product

**ENRAIZAL** is a liquid, water soluble **biostimulant**, that promotes **roots development** and **mycorrhization**.

It is made of Amino acids enriched with NPK, Boron, Manganese and Zinc, also containing purine and pyrimidine bases.

## Objectives

To evaluate and measure the effects of  
**ENRAIZAL** on

Plants **height**, **leaf development** and **roots growth**

## Material and Methods

Location: Santomera (Murcia)

Crop: Tomato – Variety: Torry

Soil texture: Peat

Transplant: 3rd March

Field trial end: 15th April

## Material and Methods

**ENRAIZAL** Number of pots : 24

TEST Number of pots : 24

Type of Application: **irrigation by dripping**

**ENRAIZAL** Dosage : 2 applications equivalents to **5 L/Ha**  
(total 10 Lts / Ha and crop cycle)

1st Application: **9 days** after transplanting (12nd March).

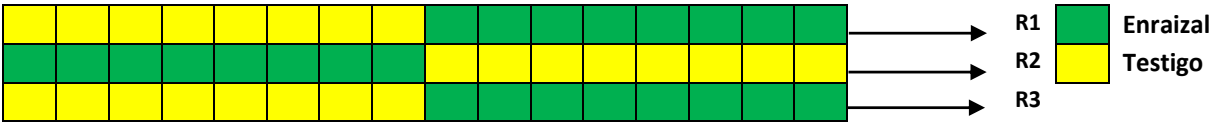
2nd Application: **13 days** after (25th March).

Evaluation dates: 18th and 25th March; 2nd, 9th and 15th April.

Evaluation when dry: 19th May

Field Sketches

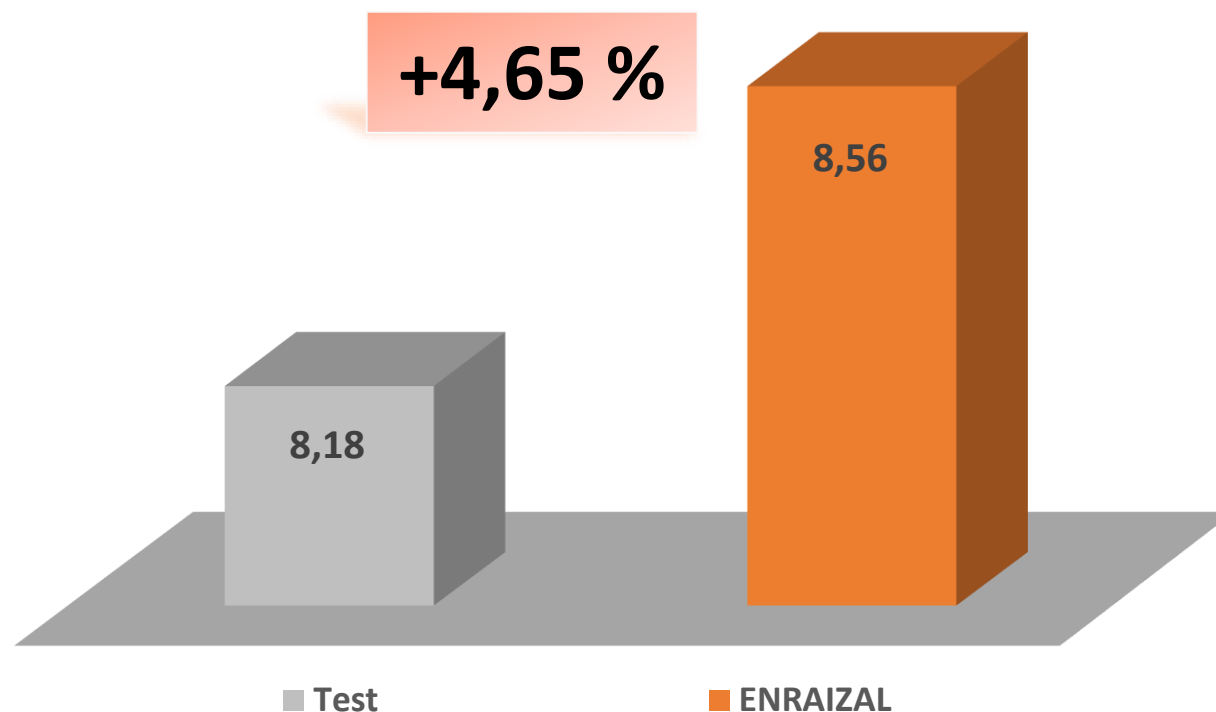
Location	Santomera	Province	Murcia		
Crop	Tomato	Variety	Torry	Irrigation	Dripping
Plantation frame	Pot 1 x 0'5	Plants /Ha	20.000		



## Assessments

- ✓ Roots growth
- ✓ Plant average height
- ✓ Leaf development





**Graph 1** Evaluation results on **fresh root weight (g)**

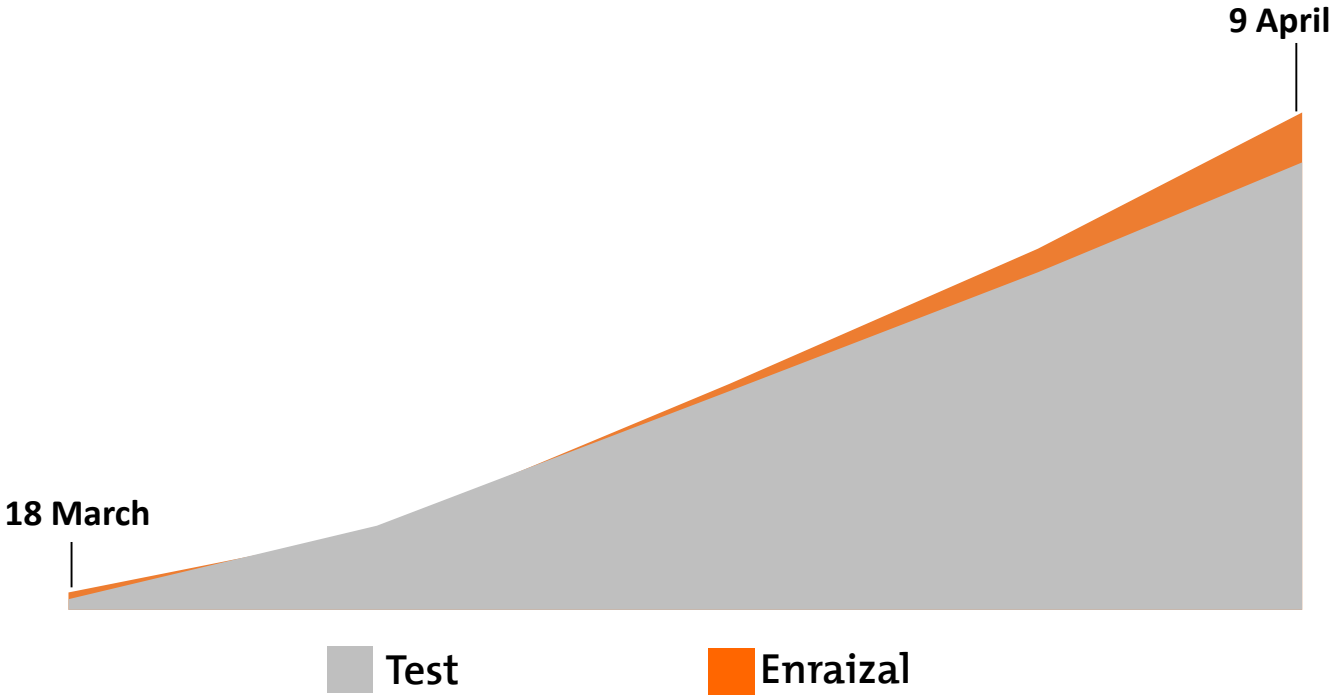
Results and discussion

Applying **ENRAIZAL** in tomato  
we get:

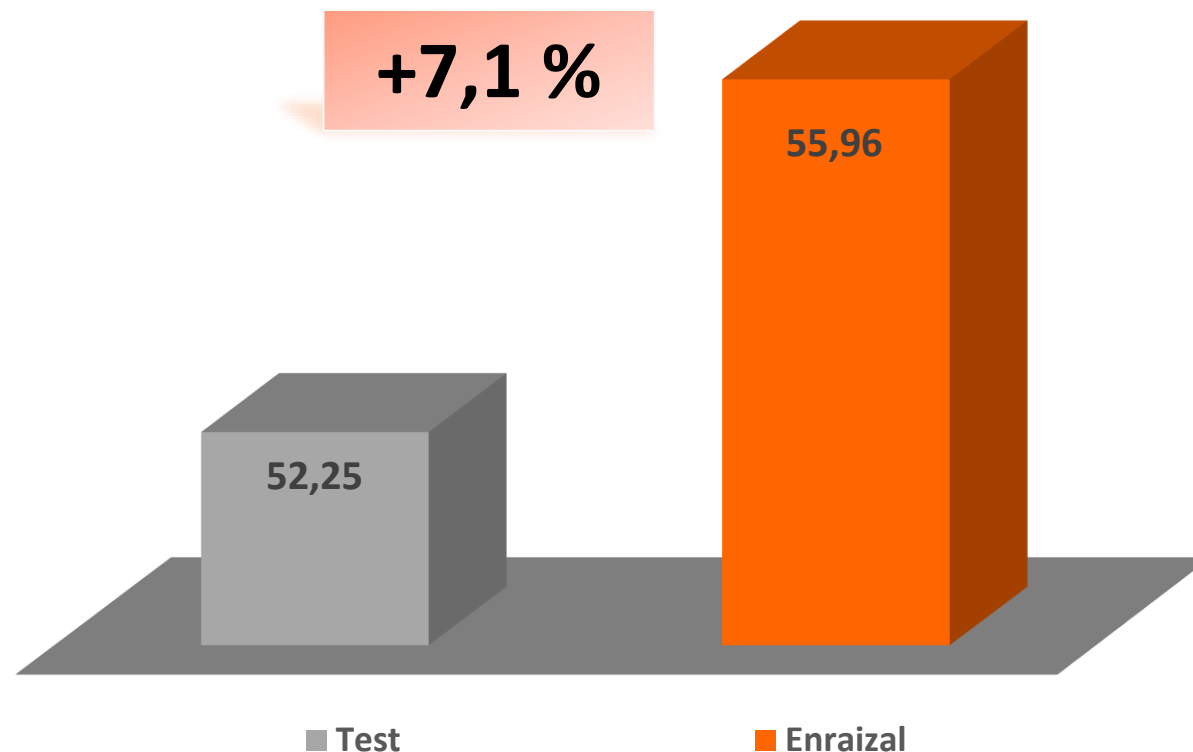
**+4,65%**

**More roots weight**

Results and discussion



Graph 2 Average plant height (cm)



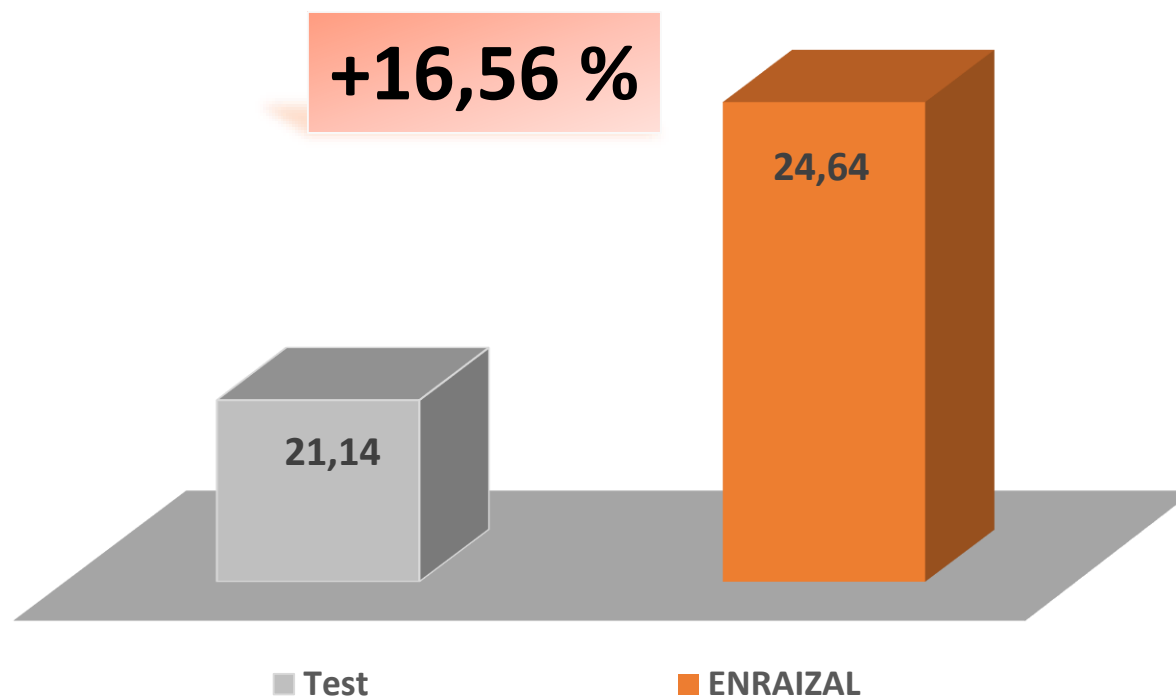
Graph 3 Percentage difference in average height (cm)

Results and discussion

Applying **ENRAIZAL** in tomato  
we get:

**+7,1%**

**More height**



Graph 4 Percentage difference in dry leaf average weight (gr)

## Results and discussion

Applying **ENRAIZAL** in tomato  
we get:

**+16,56%**

**More leaf weight**

## Conclusions

Applying **ENRAIZAL** in tomato  
we get:

Higher plants

More leaf development

More roots