

Field
trial

ARTALMAX FRUIT

To evaluate its effectiveness in
size, caliber and weight of fruits
on **tomato** crop

Introduction

Objectives

Material and Methods

Results and discussion

Conclusions

The Product

ARTALMAX FRUIT is a liquid biostimulant, **hormones-free**, that contains polysaccharides, natural growth promoters, auxin precursors and bicarboxylic Potassium of last generation that guarantees a rapid absorption and assimilation by plants.

It is specially developed to fatten and increase caliber and size of fruits and vegetables, and to naturally improve their sugar content (Brix).



To evaluate and measure the effect of **ARTALMAX FRUIT** in
size, caliber and weight of fruits on tomato

Location: **Mazarrón (Murcia) – Spain**

Crop: **Tomato, Thomas variety**

Soil texture: **Sandy**

Date of sowing: **September 22nd**

End of trial: **April 25th**

Material and methods

Number of plants with **ARTALMAX FRUIT** for T2: 18 plants per elementary plot x 3 repetitions = 54 plants

Number of plants with **ARTALMAX FRUIT** for T3: 18 plants per elementary plot x 3 repetitions = 54 plants

Number of Test plants: 18 plants per elementary plot x 3 repetitions = 54 plants

Type of application: **radicular**

Application volume: **T2: 2,5 L/Ha**

T3: 5,0 L/Ha

ARTALMAX FRUIT dosage: 4 applications every 6 to 8 days

1st Application: BBCH 68-69 **at the beginning of the flowering of the 9th inflorescence**

Evaluation dates: since 9th flower cluster harvest (at every of 4 harvests with intervals of 5 to 9 days)

Field Sketches

Location: Mazarrón

Province: Murcia

Crop: Tomato

Variety: Thomas

Type of application: Radicular

Plot size: 2,5 x 0,9m

Number of plants: 18

Number of replicas: 3

101	102	103
201	202	203
301	302	303

Test

ARTALMAX Fruit 2,5L/Ha

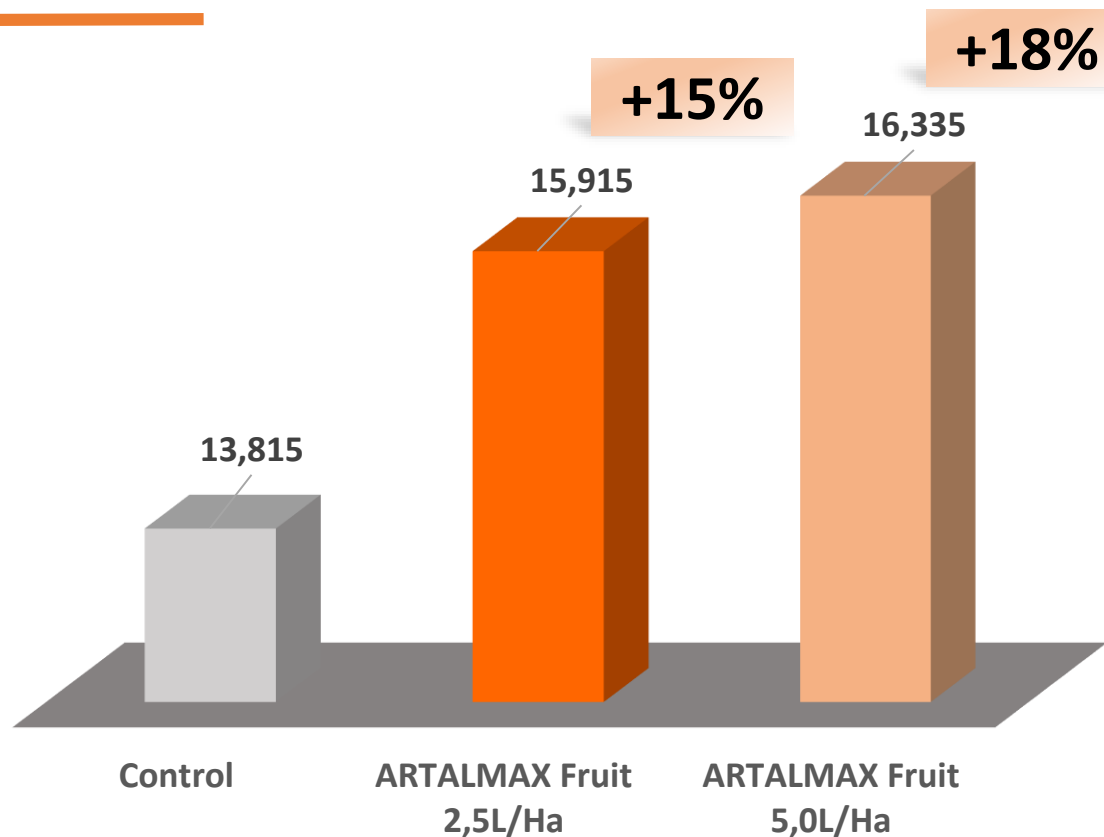
ARTALMAX Fruit 5,0L/Ha

Evaluated parameters

- ✓ **Weight of harvested fruits**
- ✓ **Average weight of fruits**
- ✓ **Caliber**

Weight of harvested fruits

Results and discussion



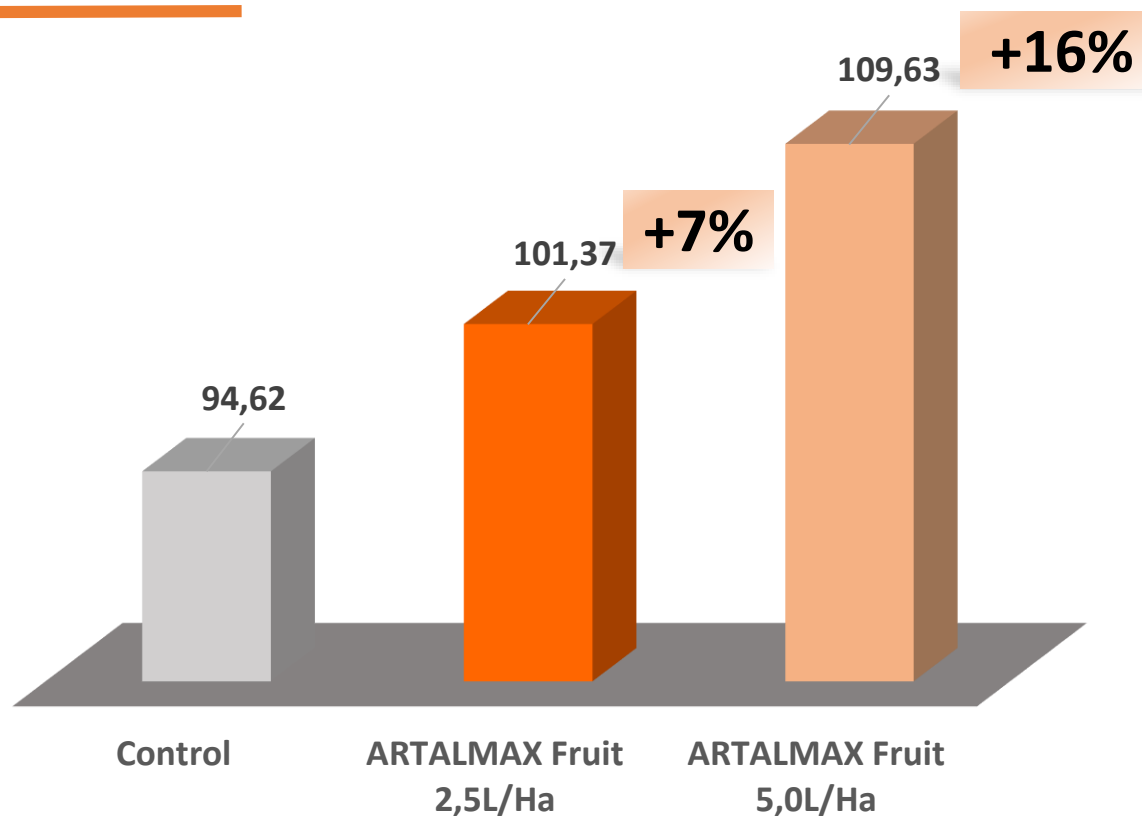
Graph 1: Weight of harvested fruits (kg)

**Applying ARTALMAX FRUIT in tomato
we get:**

**More Kgs/Ha harvested
(yield)**

Average weight of fruits

Results and discussion



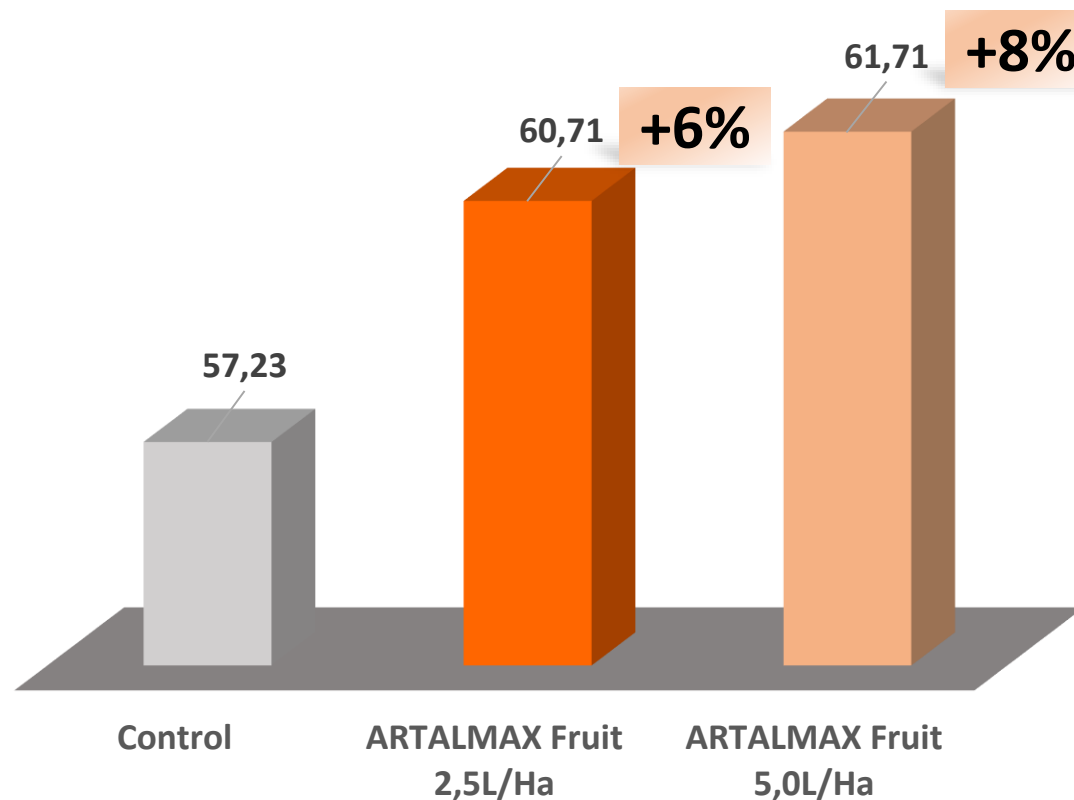
Graph 2: Average weight of fruits (gr)

**Applying ARTALMAX FRUIT in tomato
we get:**

**Fruits of greater weight
(gr/Fruit)**

Caliber of fruits

Results and discussion



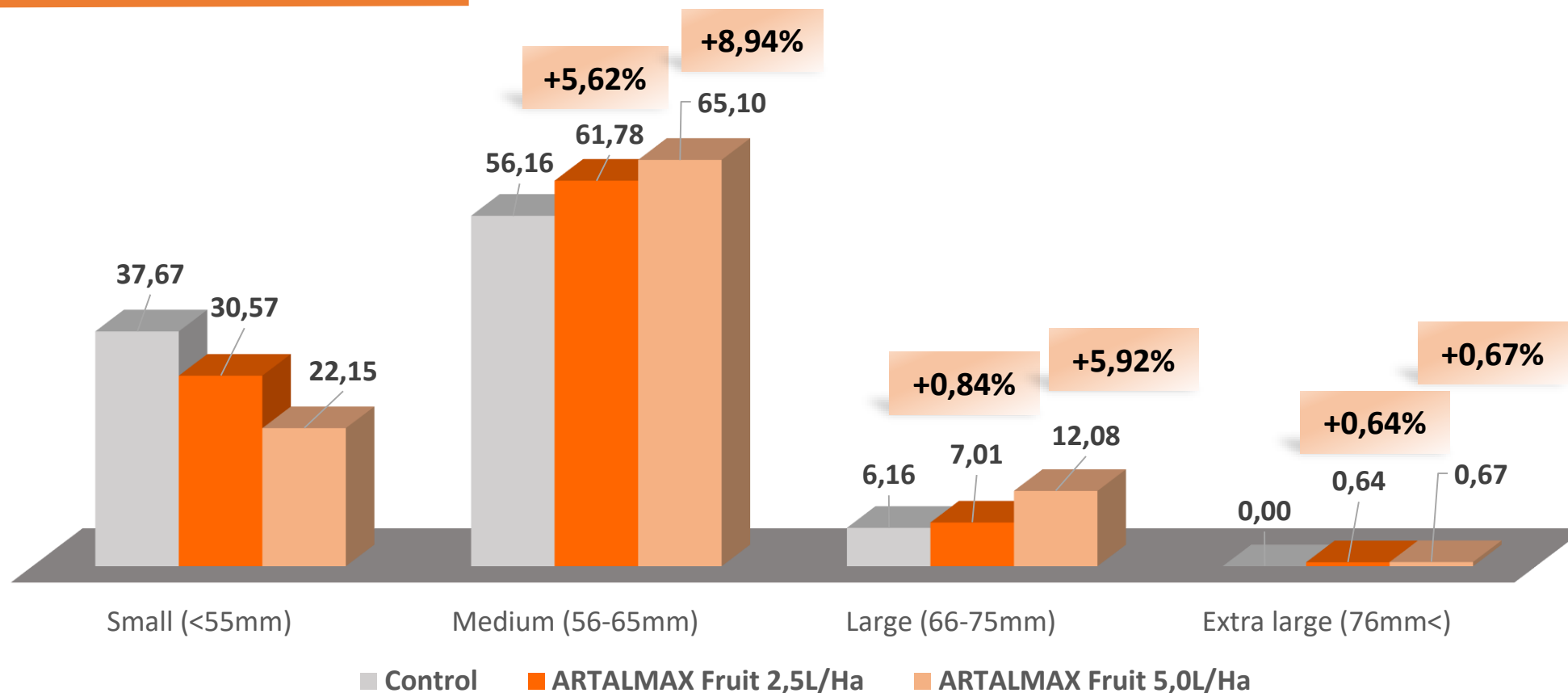
Graph 3: Average fruit caliber (Ø mm)

**Applying ARTALMAX FRUIT in tomato
we get:**

**Larger caliber Fruits
(\emptyset mm)**

Caliber of fruits

Results and discussion



Graph 4: Percentage (%) of the number of fruits obtained for each caliber class

**Applying ARTALMAX FRUIT in tomato
we get:**

**More fruits with
commercial caliber**

Applying **ARTALMAX FRUIT** in tomato we get:

More yield (Kgs/Ha)

Fruits with greater weight (gr/fruit)

Fruits with larger caliber (\varnothing mm)

More fruits with commercial caliber