

# **WATER EFFICIENCY TEST**

**-Crop Booster**

**ILUSION 1 – N : VENTURA**

# 1.OBJECTIVES

## Improve efficiency in water use:

- Evaluate the effect of using the Crop Booster technology on the impact on the yield and fruit quality of the blueberry crop.

# 2.METHODOLOGY: CROP BOOSTER

## Trial establishment

1

### Client Agreement

- Work protocol is established.
- Project objective is defined.
- In this case, it was to achieve greater moisture retention in the soil.
- ( Efficiency)

2

### Trial location

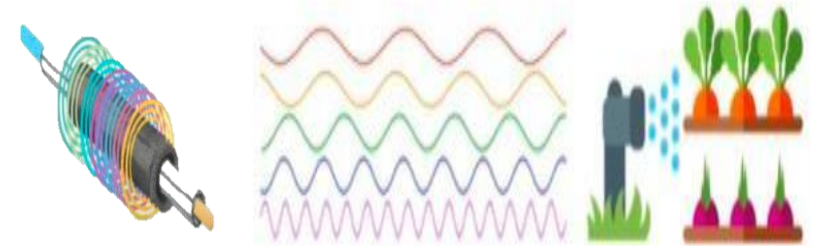
Farm	Module	Lot	Variety	Area
Ilusion 1	N	8	Witness	1.59
<u>Ilusion 1</u>	<u>N</u>	<u>13</u>	<u>Crop Booster</u>	<u>1.63</u>



3

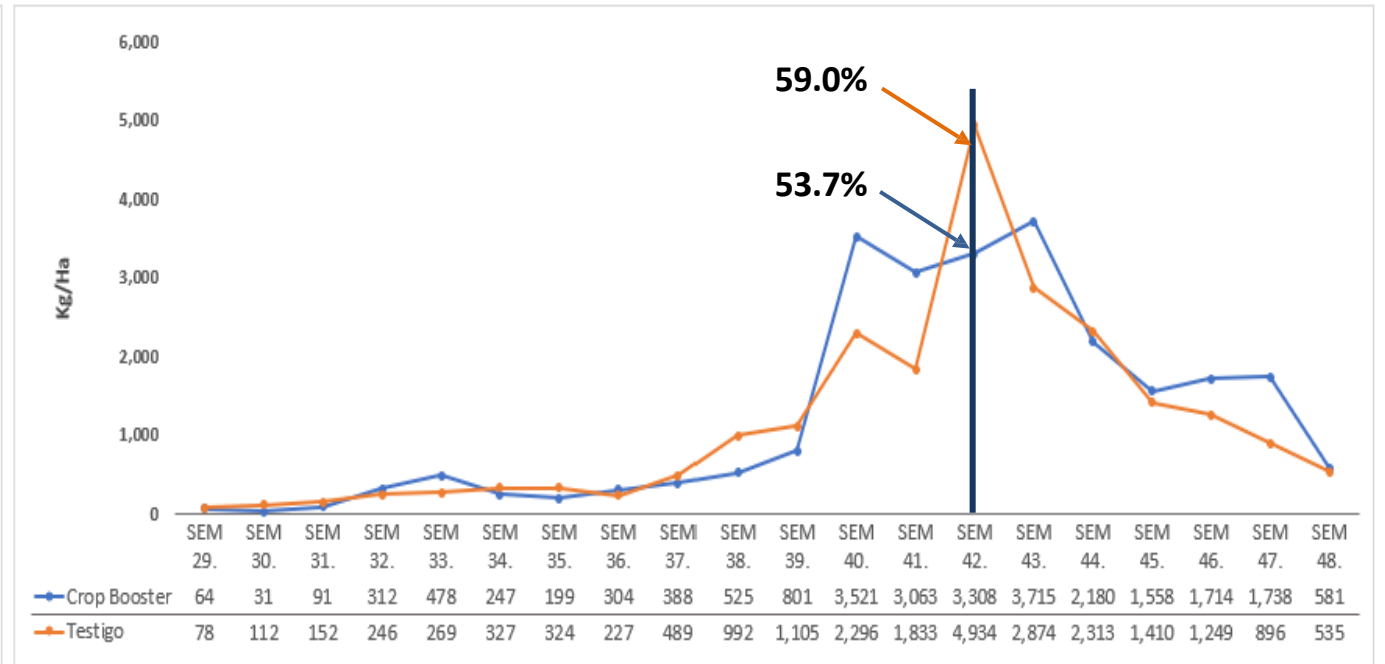
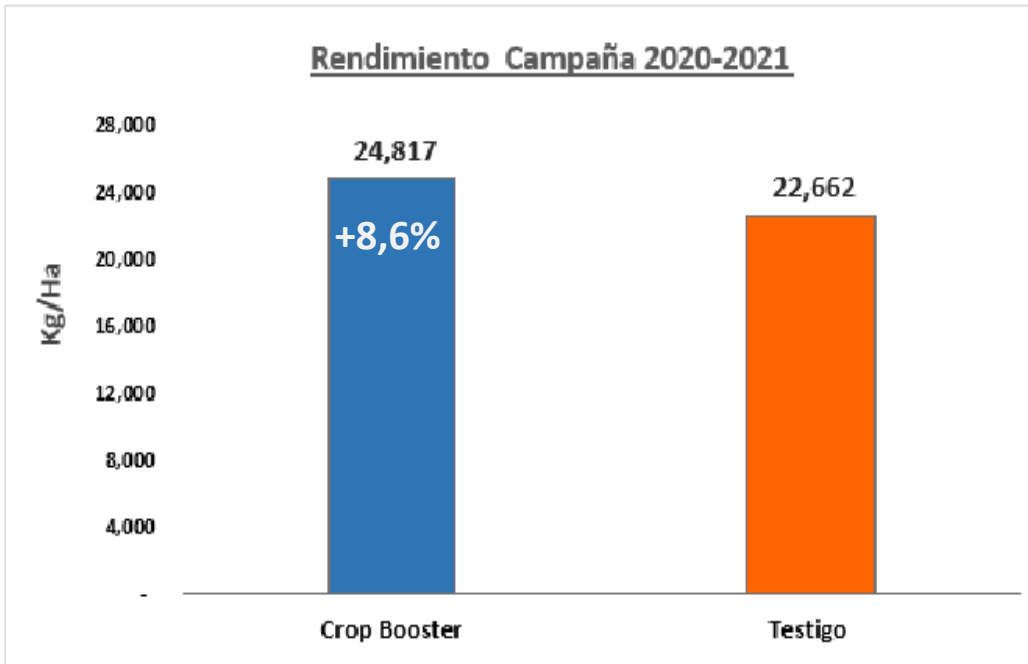
### Crop Booster Installation

Installation was done  
Date : December 26th



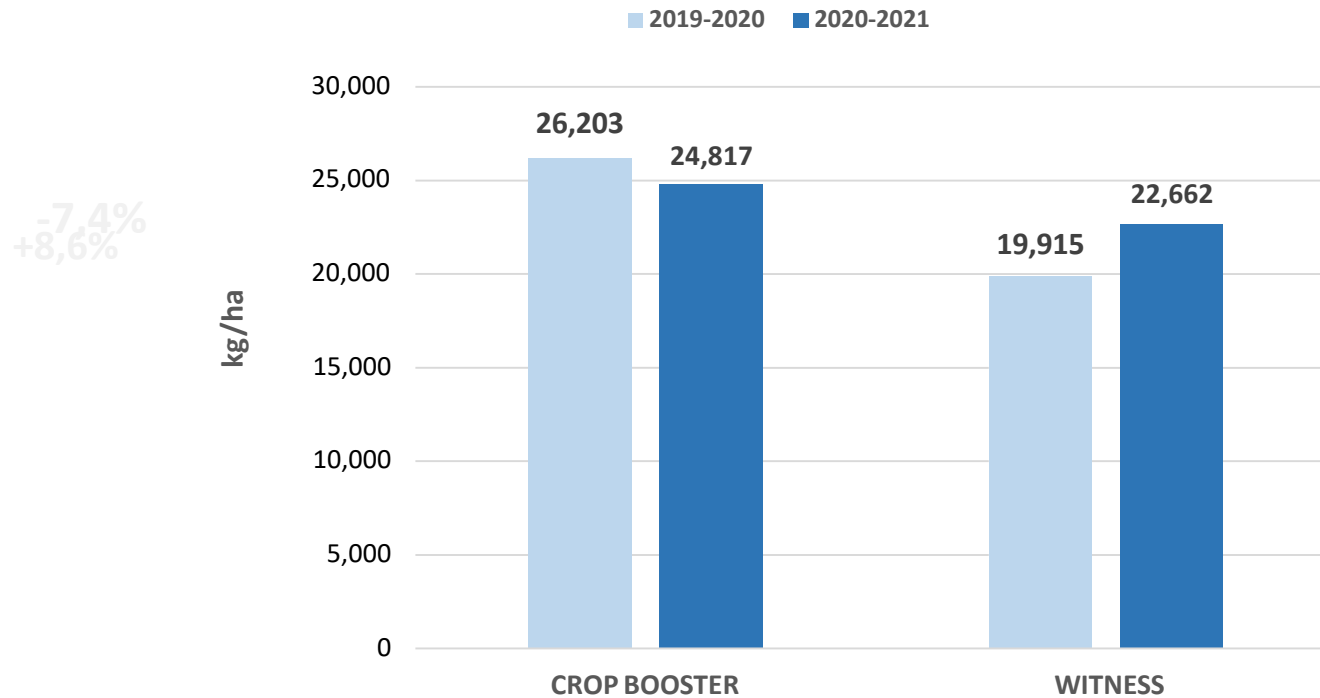
### 3. ACCUMULATED YIELD (Kg/ha)- VENTURA

The treatment with Crop Booster presents +8.6% (2,155kg) of Yield accumulated up to week 48, compared to the witness.



## 4. YIELDS BY CAMPAIGN (Kg/ha)- VENTURA

The yields of the 2020 Crop Booster campaign compared to the 2019 campaign decreased by -5.2% (1,386 kg), instead it is a witness +12.1% (2,747 kg) respectively.



## 5. PIC PRICE (\$/ha)- VENTURA

According to the prices of this season, the Crop Booster treatment obtained a profitability of 9.03% more than the witness treatment.

**Crop Booster** \$/ha = 148.111

**Witness** \$/ha = 135.844

**Diferencia** \$/ha = 12.267  
+8,6%

Annual equipment cost per Ha UD\$/year = 400

Profit: 11,867 US/ha for the evaluations carried out this season.

## 6. HARVEST QUALITY

1. WEIGHT

2. SIZE

3. FIRMNESS

-7,4%  
+8,6%



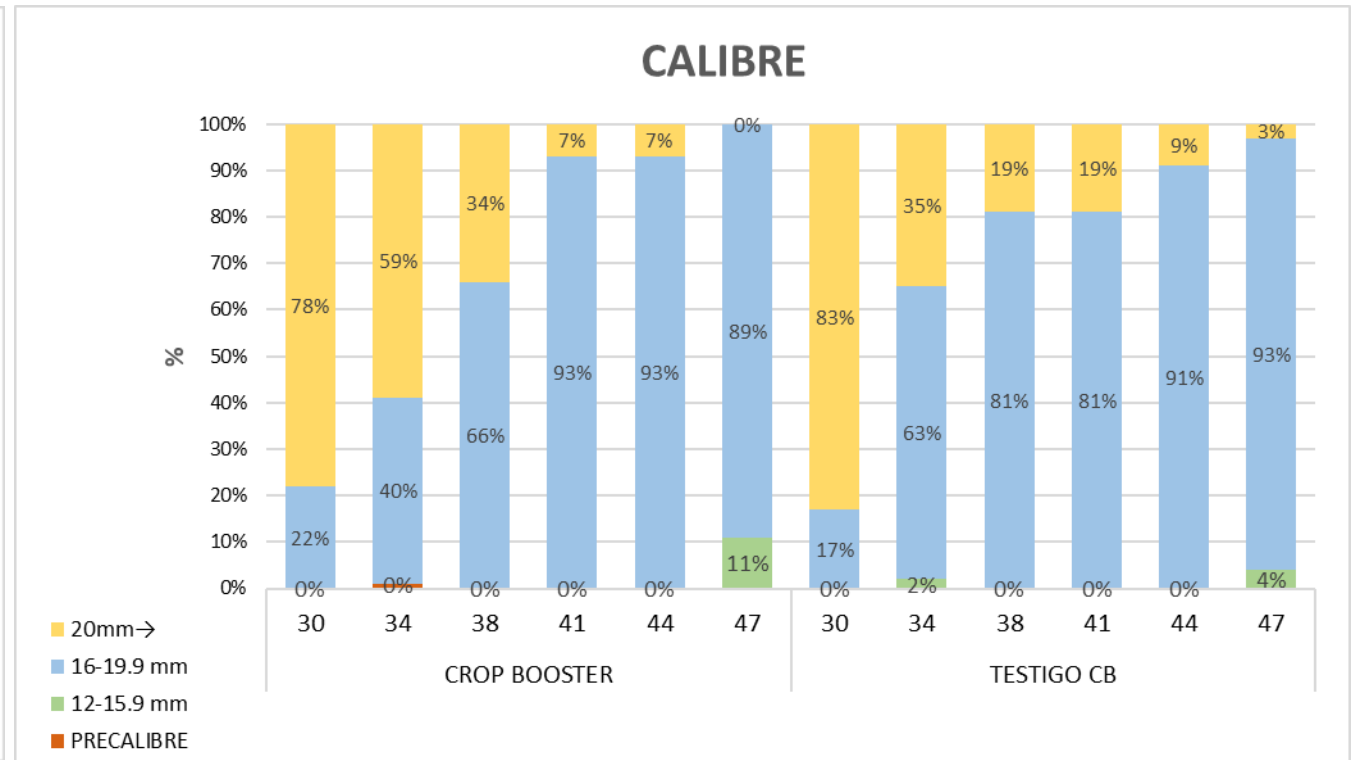
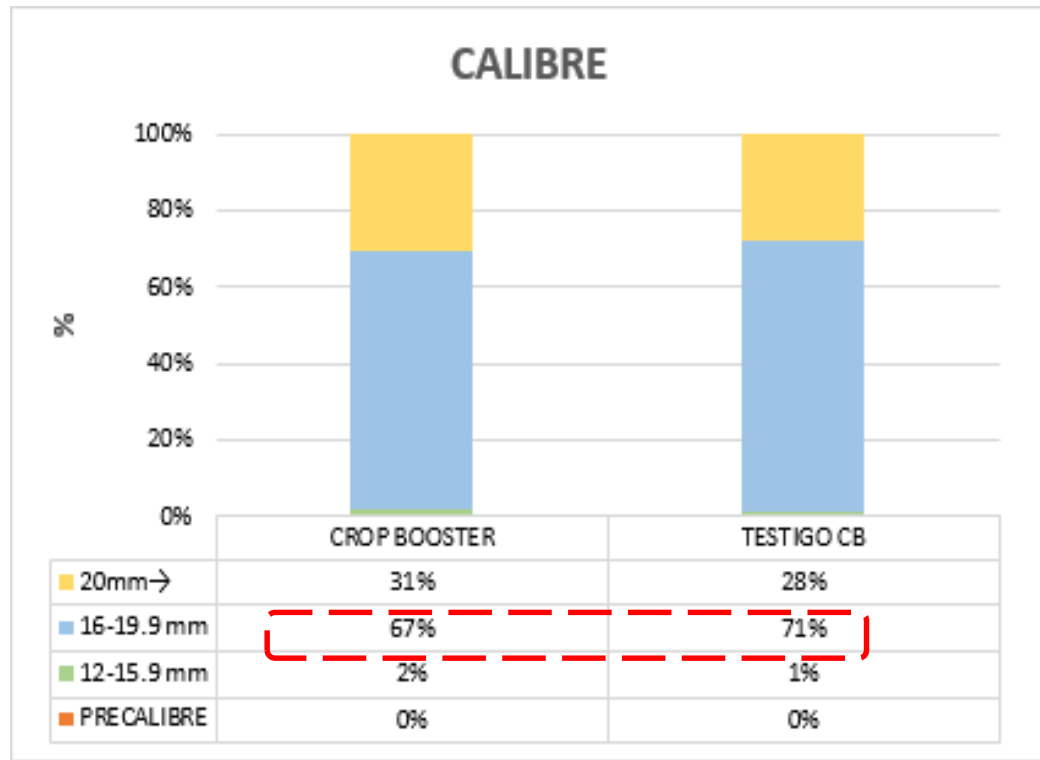


# 6.2 HARVEST QUALITY

## VENTURA-Average fruit size

In terms of size, the sector with Crop Booster has the lowest proportion of fruits with a size of 16-19.9, but a higher proportion of fruits with caliber over 20mm.

Size (mm)		
TREATMENT	CROP BOOSTER	WITNESS
Men	18.74	18.76

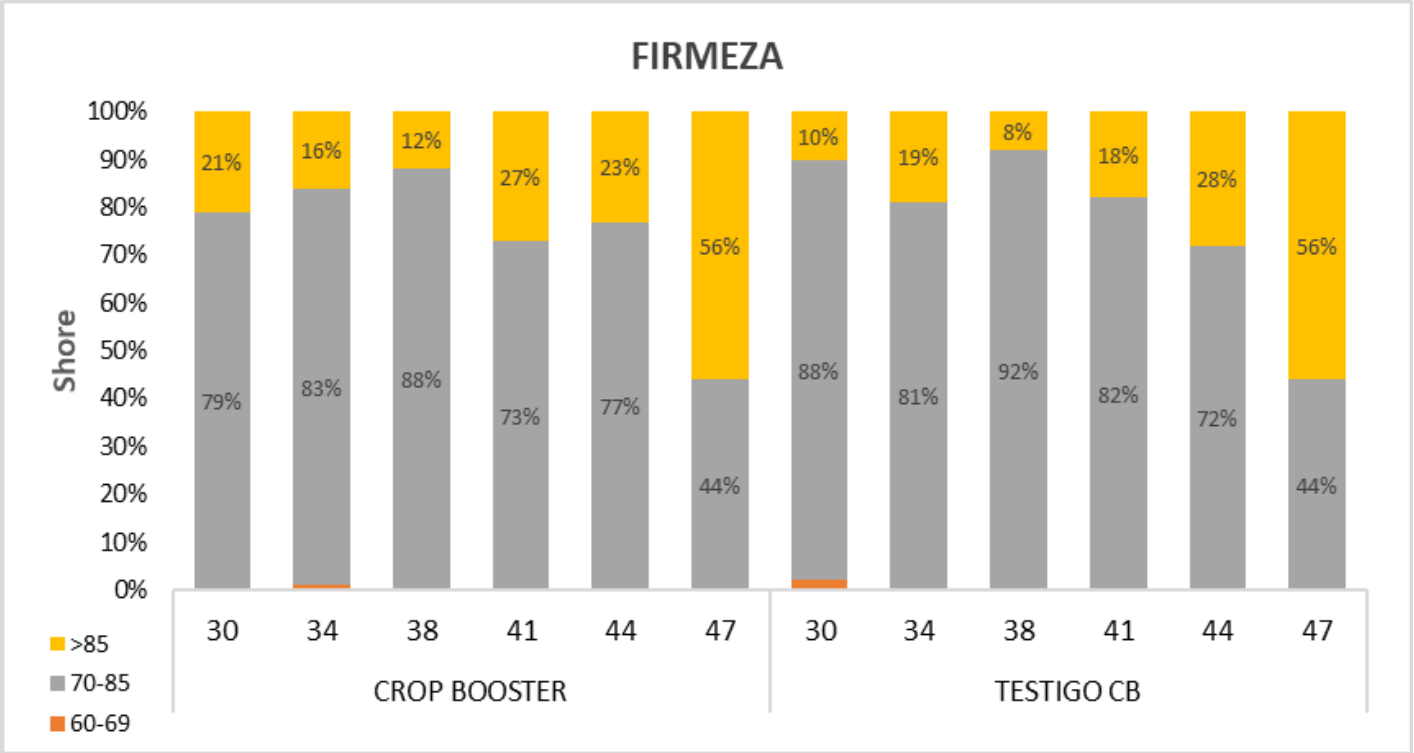
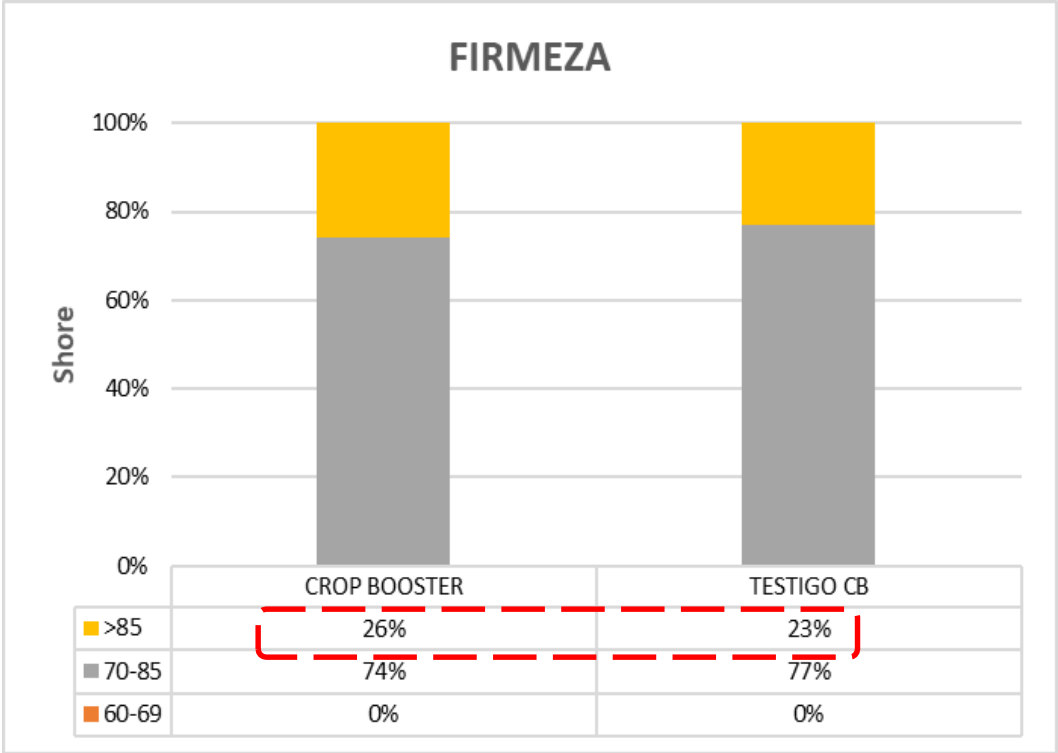


# 6.3 HARVEST QUALITY

## VENTURA-Average fruit firmness

Regarding firmness, no differences were observed between the treatments.

Firmeza (Shore)		
TREATMENT	CROP BOOSTER	WITNESS
Men	82.14	81.28



## 7.CONCLUSIONS- VENTURA

- The highest yield is presented by the treatment with Crop Booster, but it is lower than the 2019-2020 campaign, the suggestion is to validate its benefits on a larger surface in order to confirm the effect of 9% increase in yield and profitability.
- The weight of the fruits is greater with Crop Booster, lower average in terms of caliber, however no differences are observed from a commercial level.

**T H A N K Y O U**

**FEBRUARY 2021**