

BOMBARDIER TRIAL

Crop Citrus

1.- TRIAL DESCRIPTION

1.1.- Location

City: Rioja, Almería

Farm: El Zungero

Plot: 1

Number of treated trees: 40

1.2.- Crop information

Crop: Orange tree

Variety: Navelate on pattern Carrizo

Plantation: 5 x 4 m

Drip irrigation/tree: 3 drippers of 4l/h

Surface: 1200 m²

Starting harvest: 12th March

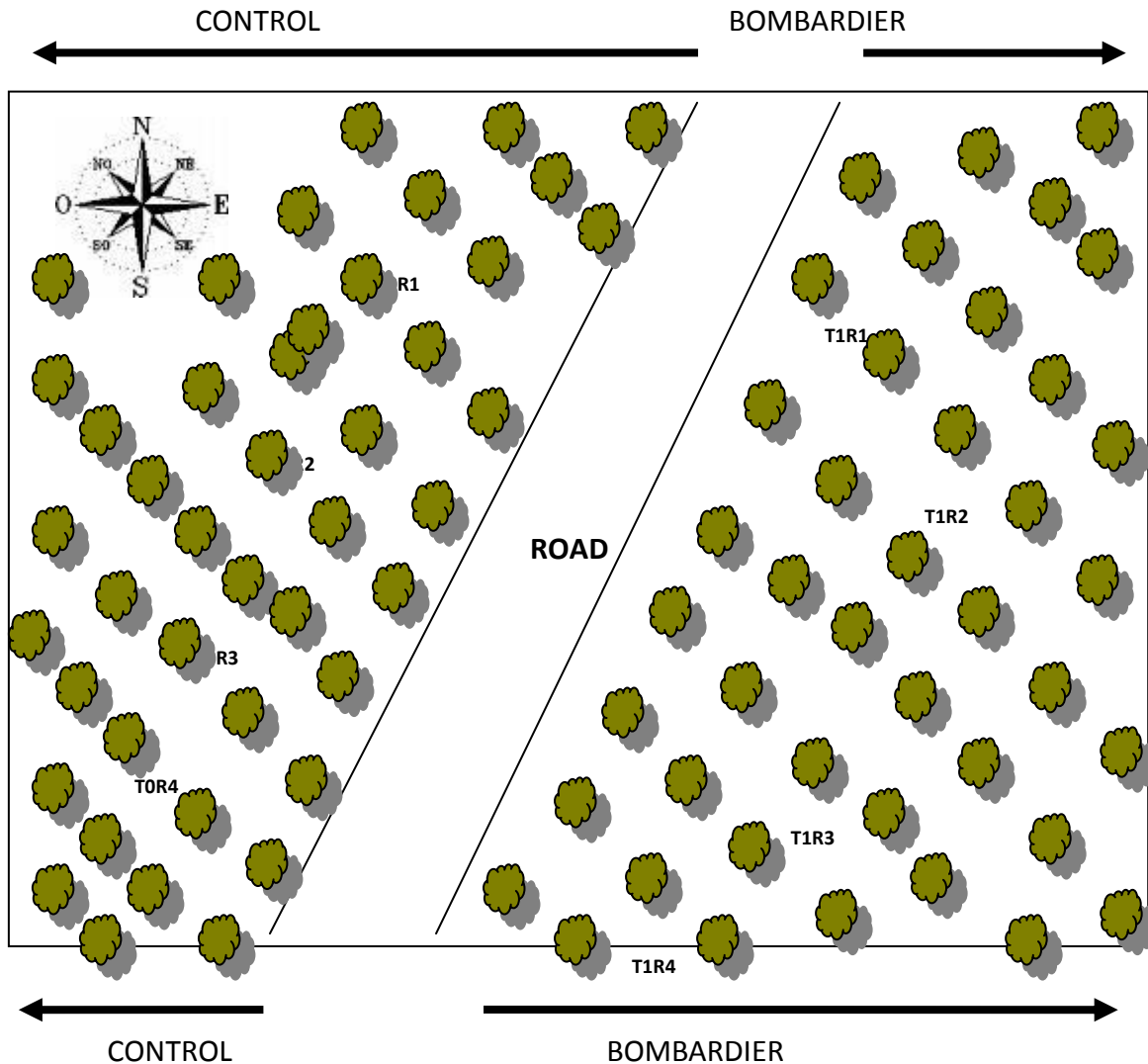
Ending harvest: 17th May

1.3.- Products

- Control T0

- BOMBARDIER T1

1.4.- Trial design



1.5.- Application description

- TOTAL TREES:

2 treatments X 4 repetitions X 1 line X 5 trees = 40 trees

- Application by irrigation
- Dose of BOMBARDIER = 15l/ha

- Dates of application BOMBARDIER :
 - o 25th December
 - o 5th January
 - o 22th January
 - o 12th February

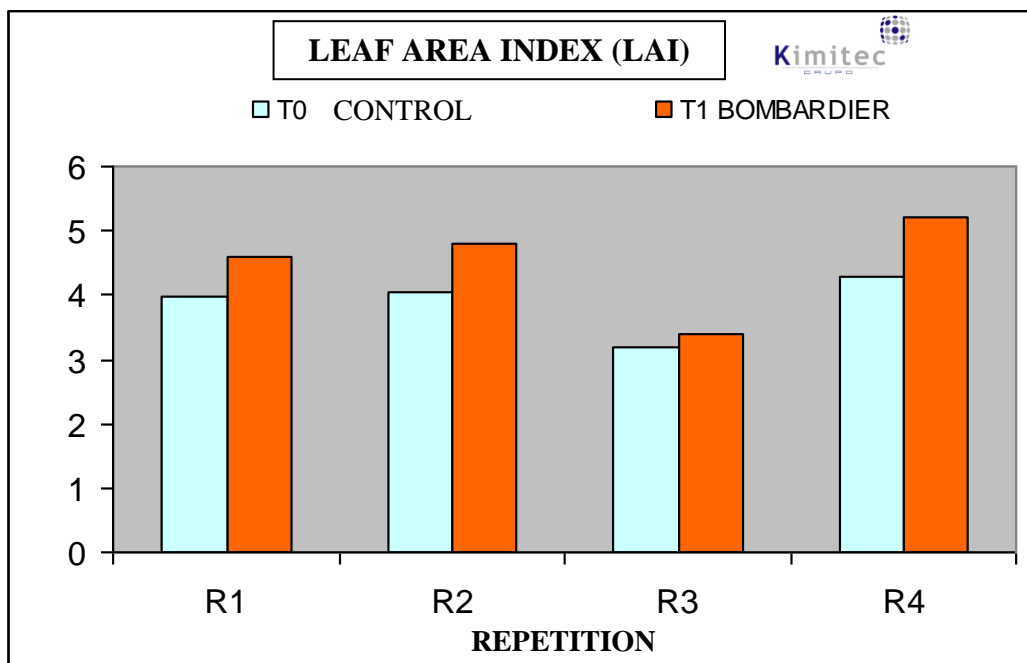
2.- RESULTS

2.1.- Leaf area index (LAI)

The LAI is measured by following formula:

$$\text{Leaf area index (LAI)} = \text{Leaf area} / \text{Ground area}$$

These are the results on 23th March



This is the increase in LAI obtained from the average of the 4 repetitions:

	LAI	% increase
T0	3,97	0
T1	4,55	14,46

PICTURES:



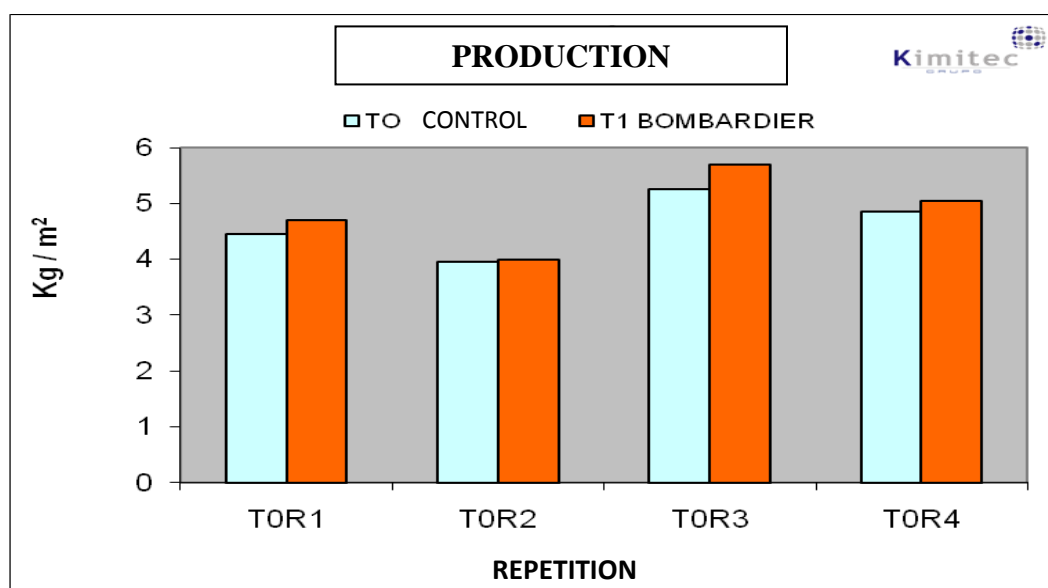
Plants with good vigor and foliar density



Swollen stems

2.2.- Production

The production is in kg/m²



This is the increase in production obtained of the average of 4 repetitions:

	average Kg/m ²	% increase
T0 Control	4,62	0
T1 Bombardier	4,86	5,13

3.- Conclusions

With the application of Bombardier, we got an increase in **Leaf Area Index (LAI) of 14,46%**, and an increase in **final production of 5,13%**