



## Chelal Omnical on table grapes

### Aim of the trial

The objective of this work was to analyze the efficiency of foliar applied Chelal Omnical to improve fruit quality and increase the attachment of the berries to the bunch.

### General information

#### Conditions of the trial:





Trial location:	Brazil – Petrolina	Plant density:	1,5 m x 3,5 m
Variety:	Sugar Crisp	System:	Pergola
Rootstock:	Freedom Pausen	Soil type:	Sandy loam
Irrigation:	Drip irrigation		
In cooperation with:	Grupo de Estudos em Ecofisiologia e Estresse de Plantas (GEESP)		

#### Experimental design:

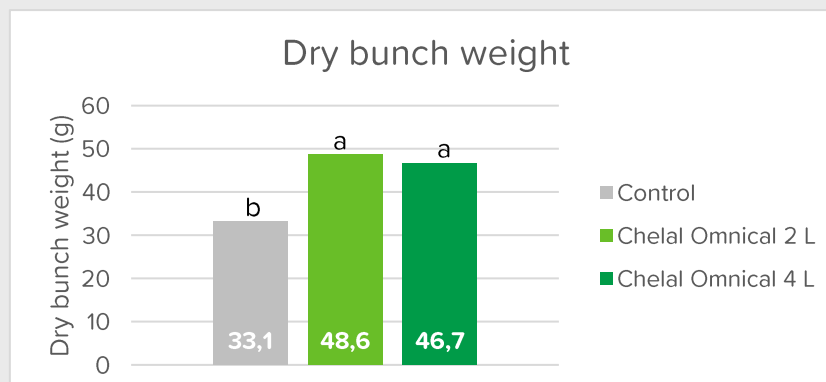
Randomized block design with micro-plots; 4 replicates. 20 plants per replicate.

### Treatments

#### 3 modalities:

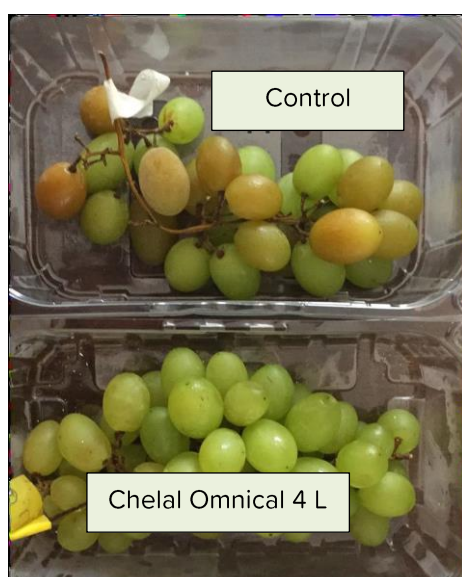
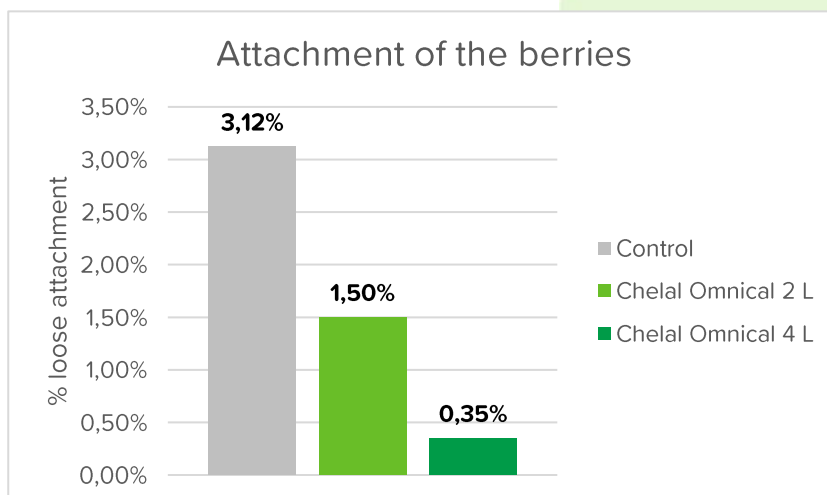
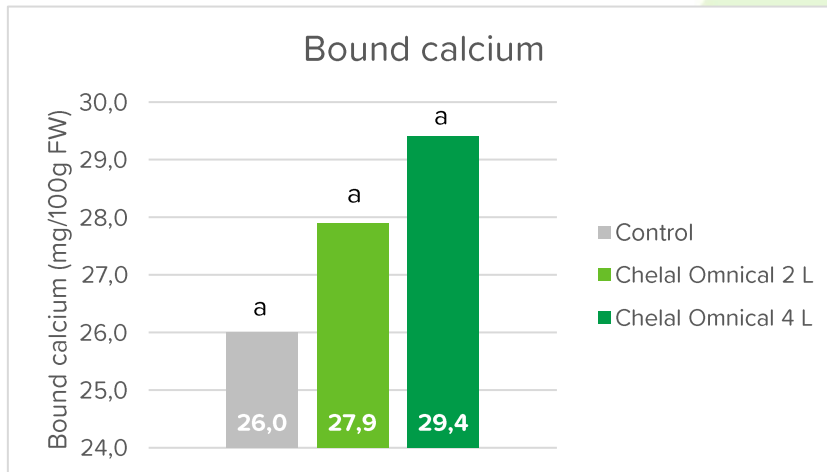
	Full bloom	0.5 cm diameter	Bunch closure	Pre harvest
				
<b>Control</b>	The control received the usual Ca applications from the grower (unknown program)			
<b>Chelal Omnical 2 L</b>	0.5 L/ha	0.5 L/ha	1 L/ha	-
<b>Chelal Omnical 4 L</b>	1 L/ha	1 L/ha	1 L/ha	1 L/ha

### Results





Analysis of bound calcium or 'calcium ligado'. It is an effective diagnostic tool to determine fruit quality and shelf life.



#### Conclusion:

The Chelal Omnical applications have a clear positive effect on the quality of the grapes, with a higher Ca ligado content and more firmly attached berries.

The visual appearance after storage was also much better as can be seen in the picture on the left.