



GrowMate

PROVIDING ECO-FRIENDLY PRODUCTS

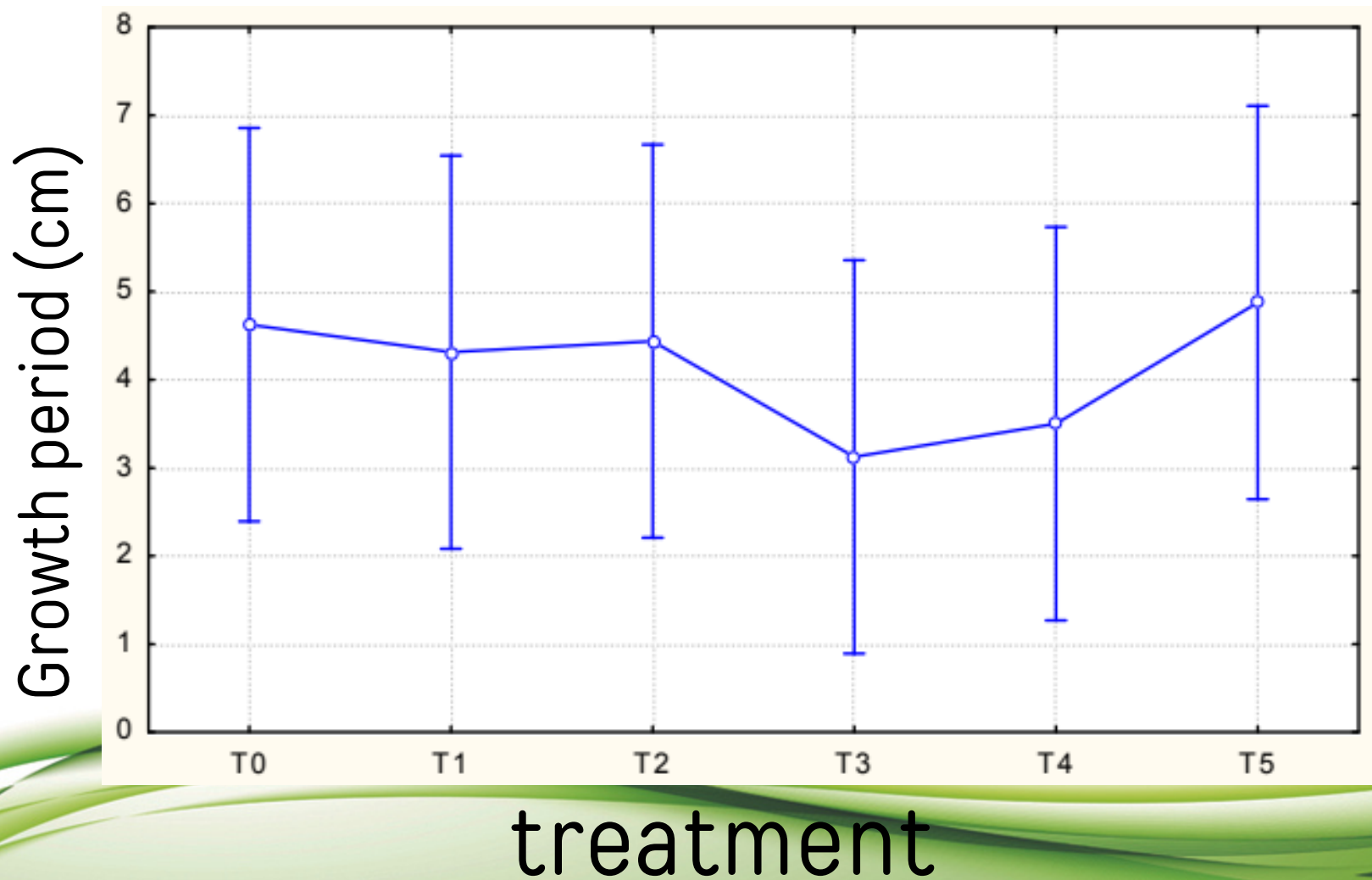
Case Study GrowMate and Grapes

Field Test in the Country of Chile
Field in Ñilhue – Grapes

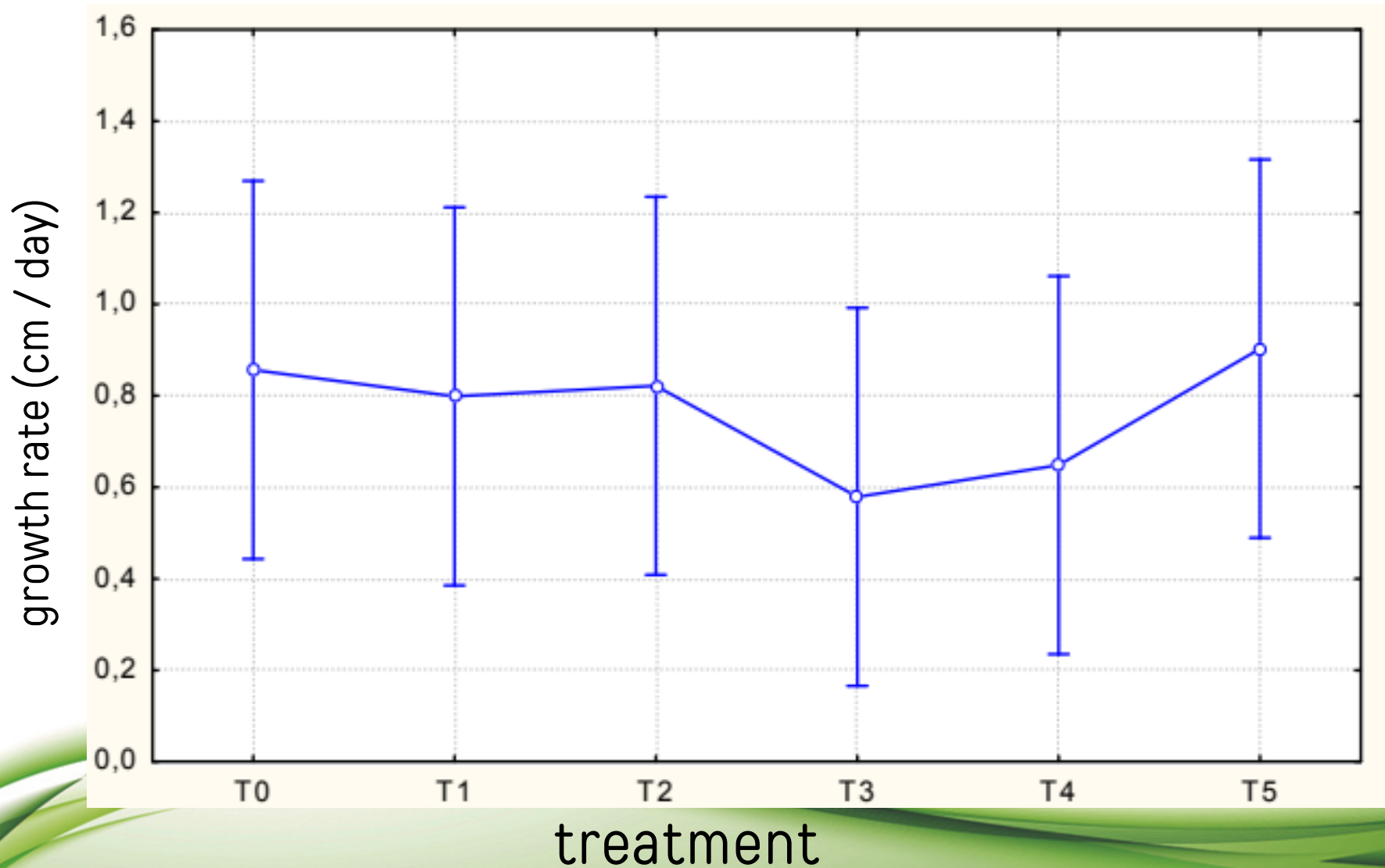


Treatment	Concentration Rate of applied products	Application Rates /plant
CONTROL (Traditional way of fertilization + Local Brand of Humic Acids)	100 %	75ml per Plant
Treatment No. 1 "T-1" GrowMate Mature Plant + potassium sulphate + magnesium sulphate + boric acid	Fulvic Acid: 36% potassium sulphate 7.67% magnesium sulphate 7.61% boric acid 0.12%	75ml per Plant
Treatment NO. 2 T-2 GrowMate PLANT only	36%	75ml per Plant
Treatment NO. 3 T-3 GrowMate PLANT + potassium sulphate	7.67%	75ml per Plant
Treatment NO. 4 T-4 GrowMate PLANT + magnesium sulphate	7.61%	75ml per Plant
Treatment NO. 5 T-5 GrowMate PLANT + boric acid	0.12%	75ml per Plant

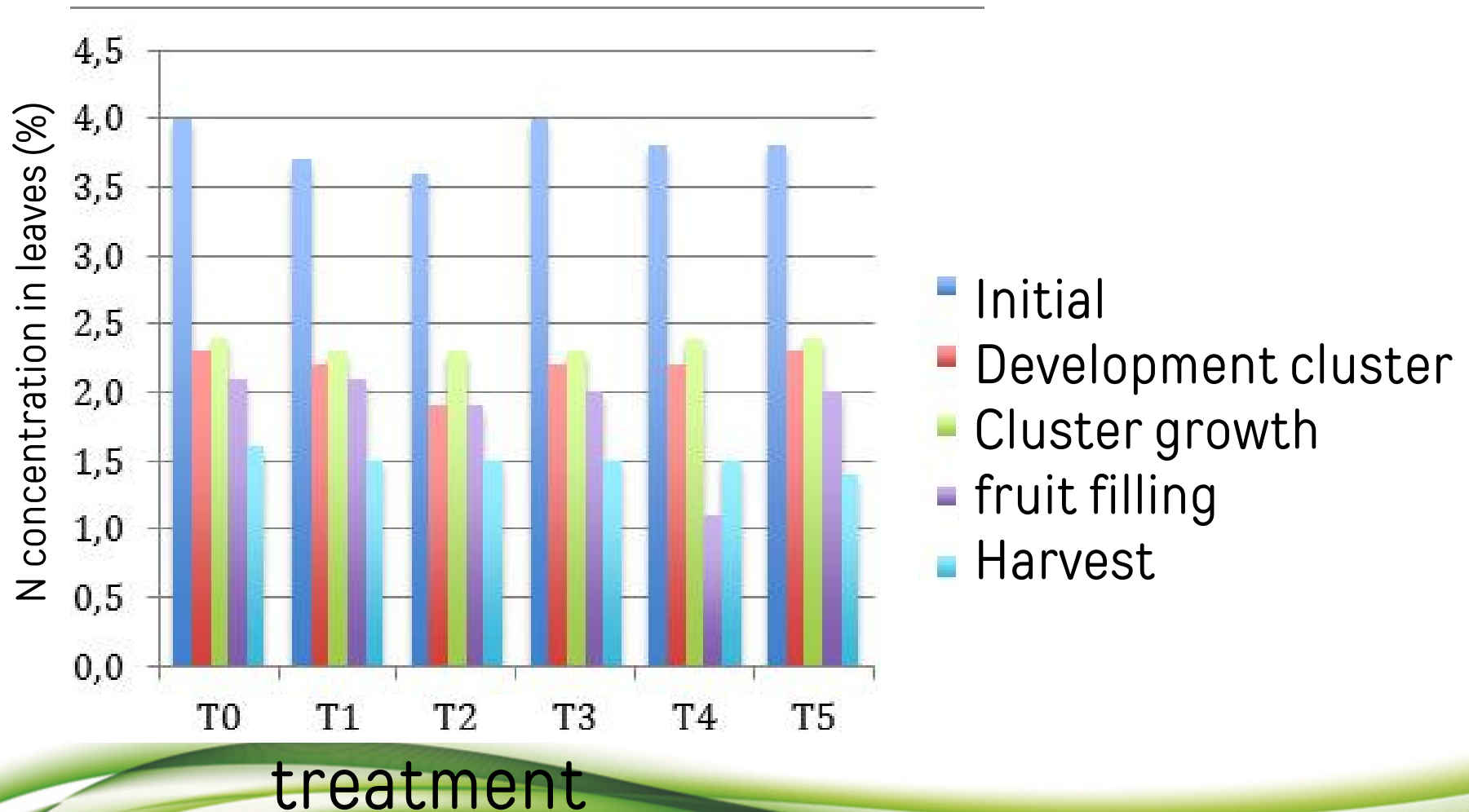
Growth period (cm) 54 days of measurement.



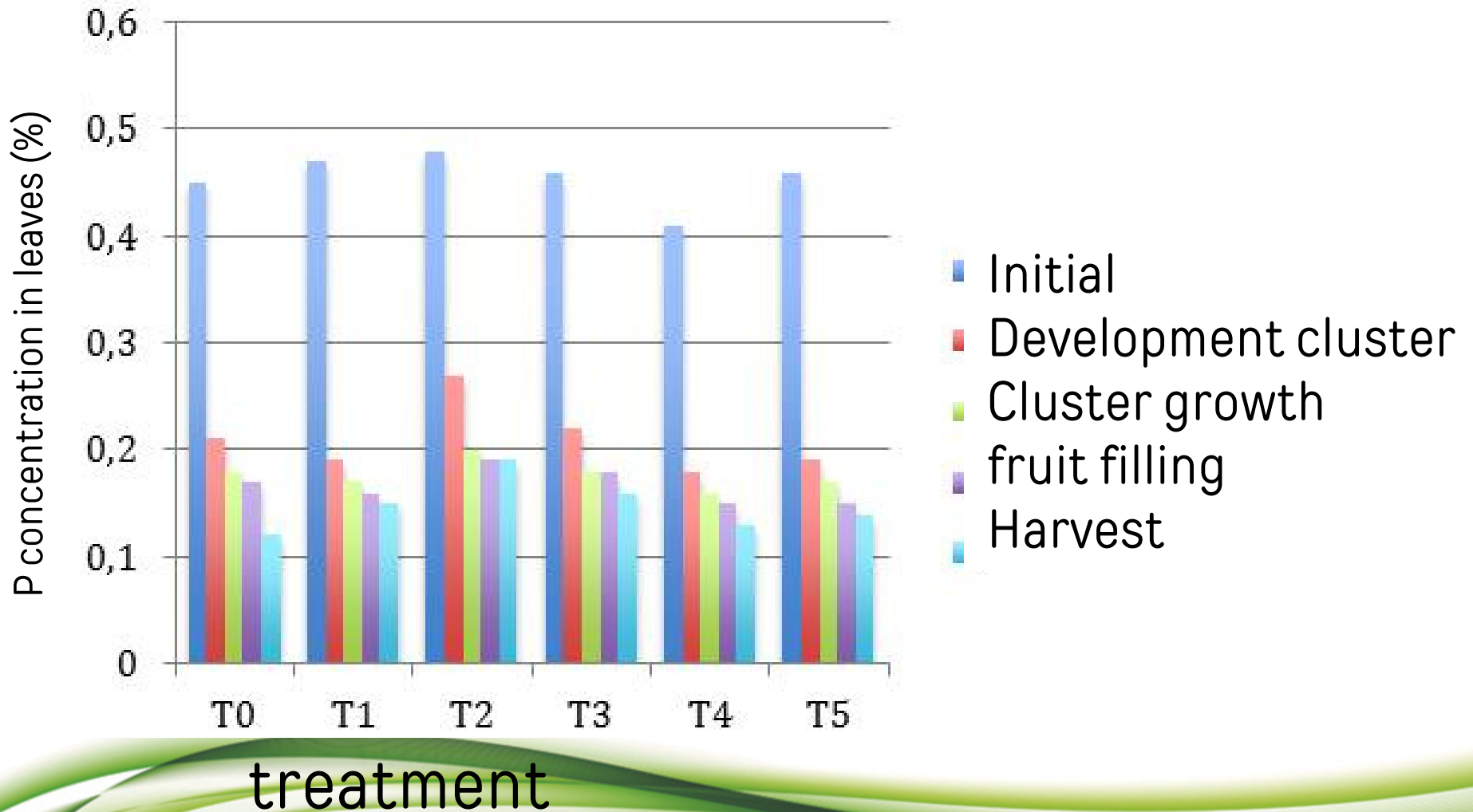
Growth Rate (cm / day)



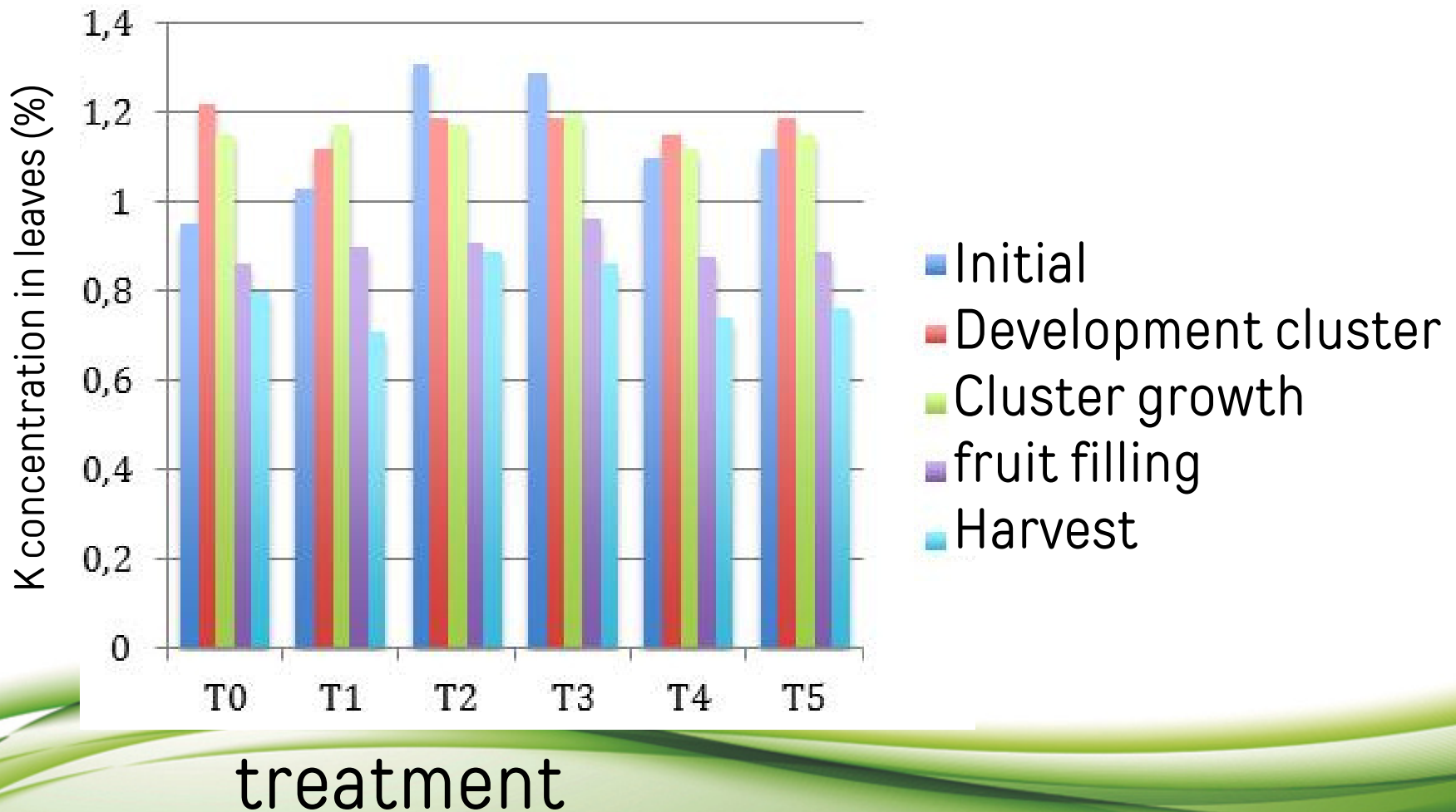
N - Nitrogen concentration in leaves (%) for phenological stages.



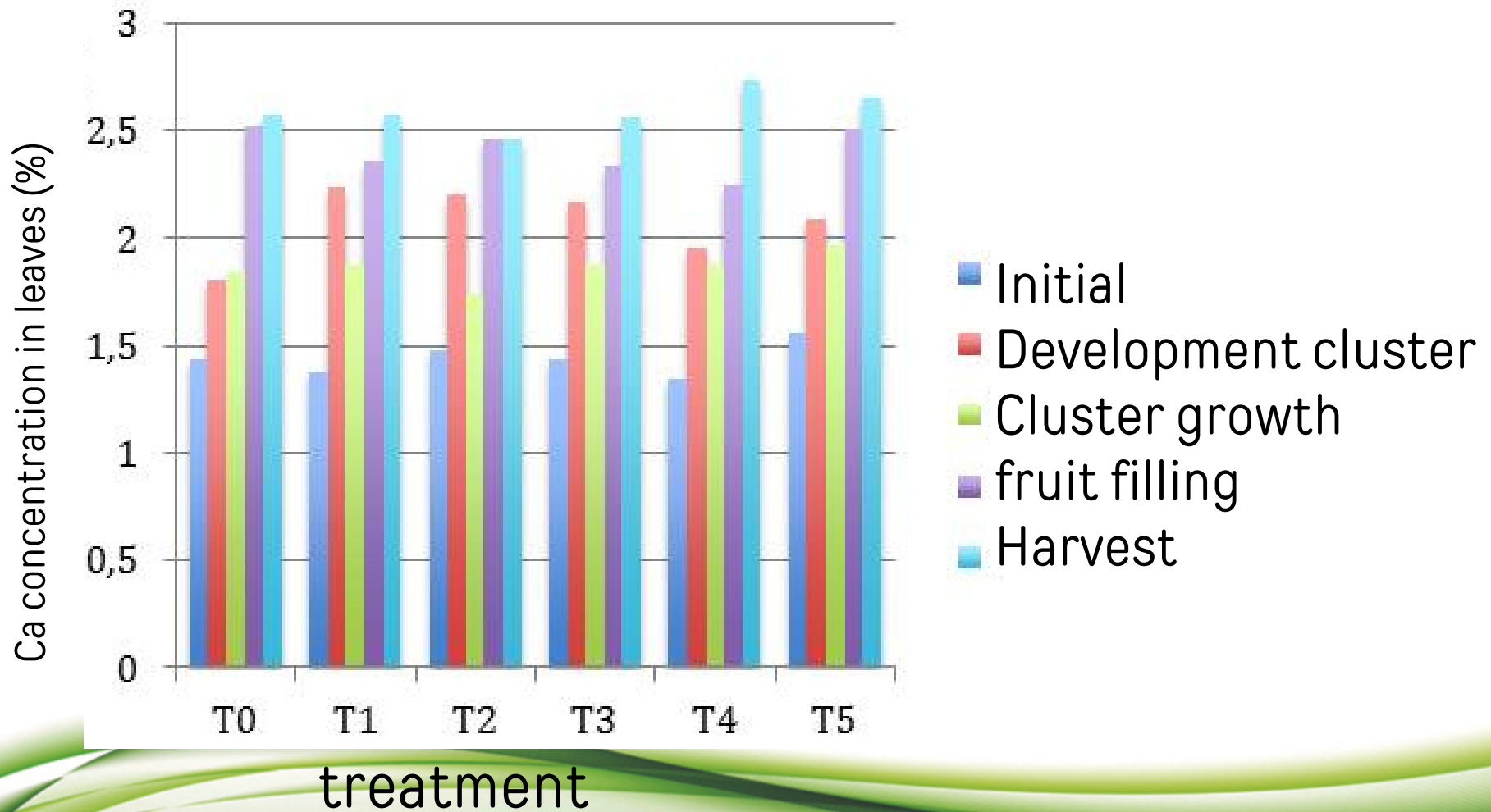
P - Phosphorus concentration in leaves (%) for phenological stages.



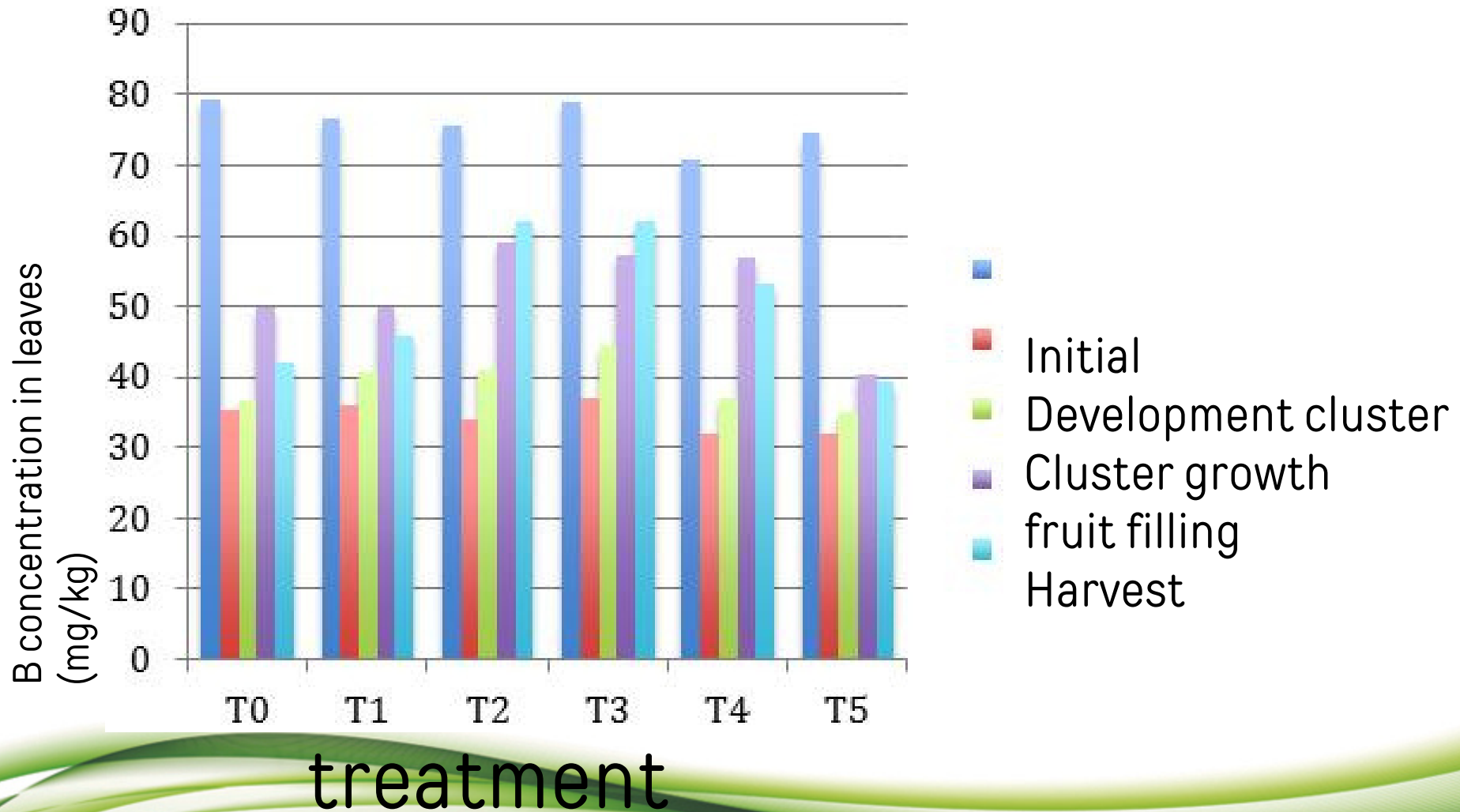
K Potassium concentration in leaves (%) for phenological stages.



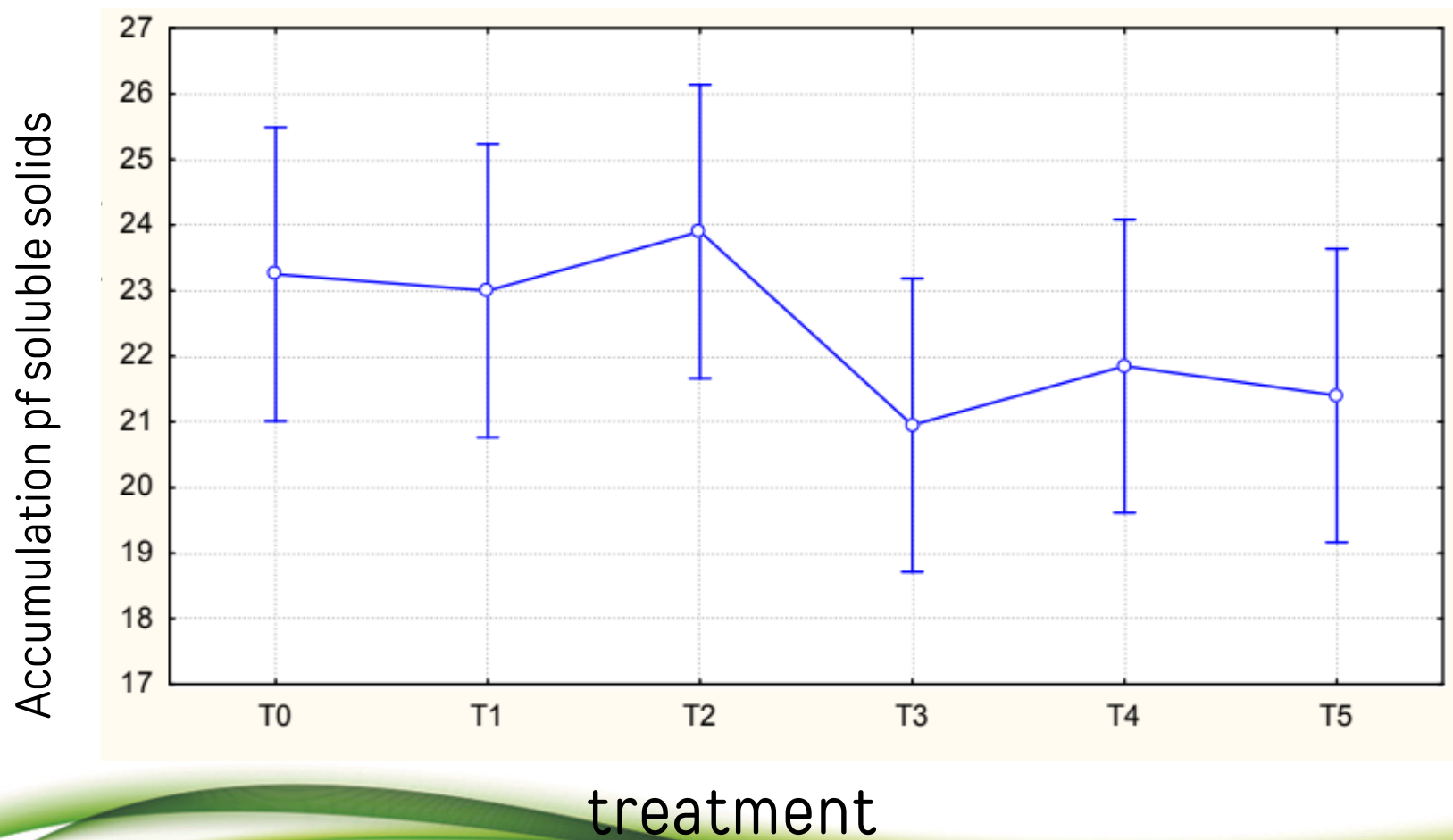
Ca - Calcium concentration in leaves (%) for phenological stages.



B - Boron concentration in leaves (mg/kg) for phenological stages.



Accumulation of soluble solids in the different treatments, in the variety Cabernet Sauvignon.

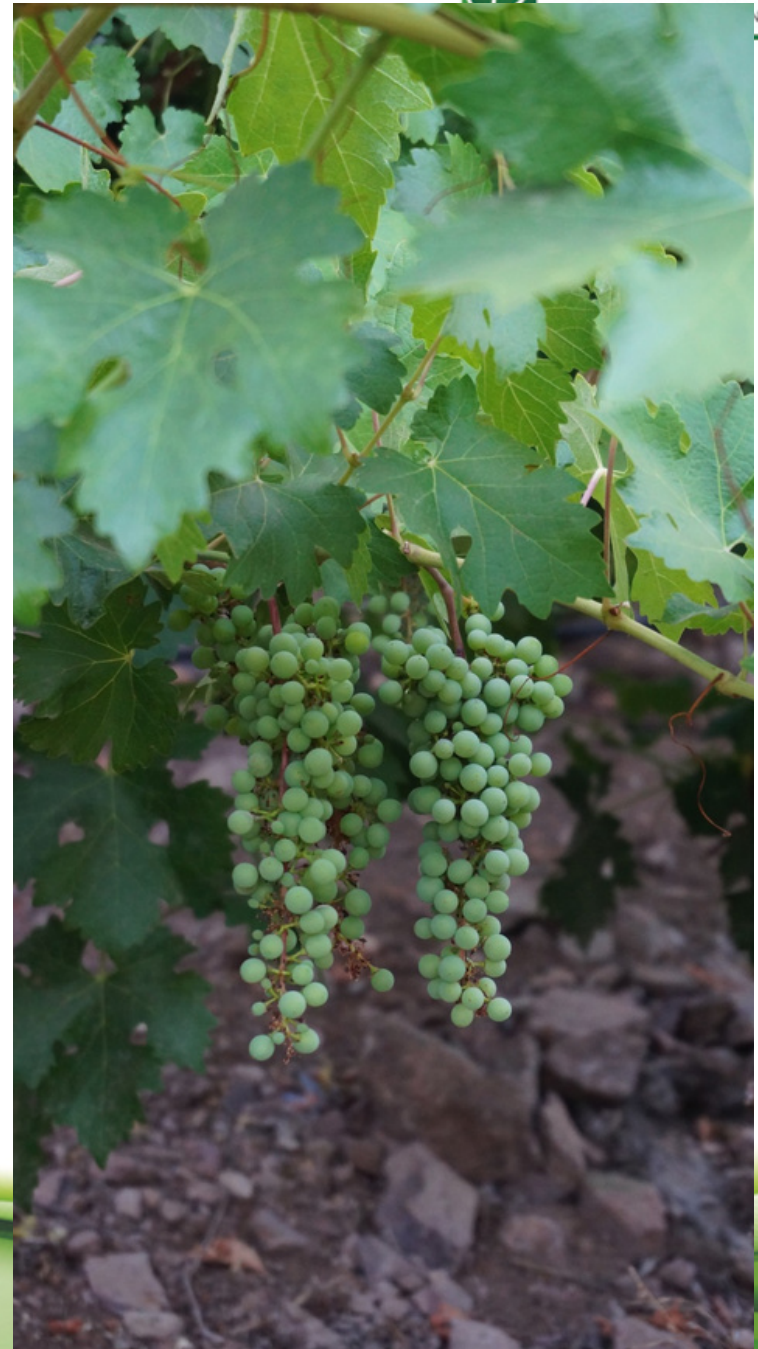




Without GM Mature Plant



With GM Mature Plant



Without Mature Plant



With Mature Plant 



T
O



T₁.
MaturePlant
+ potassium sulphate
+ magnesium
sulphate
+ boric acid

T₂.
GrowMate
PLANT

T₃.
GrowMate
PLANT
+ potassium sulphate+ magnesium sulphate

T₄.
GrowMate
PLANT

T₅.
GrowMate
PLANT
+ boric acid



In this work we used GrowMate PLANT mixed with different fertilizers and in the same manner GM MaturePlant mixed with the chemical.

In the evaluated variables note a positive increase in treatments where GrowMate products were applied.

The MaturePlant application generates an increase in production of 15% to 20% more yields.

The recommended dosage is 2 gallons per hectare.

The application of GM MaturePlant was during filling of fruit, It was applied via the irrigation system.

Another outstanding treatment was the use of GrowMate PLANT mixed with foliar applied micronutrients, 1 gallon per hectare.