

GRAPE TRAIL_1

Researcher:	Vineyard Consultants cc.	Year:	2006 - 2008
Variety:	Cabernet Sauvignon	Location:	Western Cape
Soil:	Loam	Irrigation:	Drip
Plants /ha:	245	Grape age:	6 years (Third Yield)
Yield Goal:	1.42 Ton/ha		

Experimental design: Vines of equal age was treated with Amino Gluconate CalMag + B and Fulvic Acid during the growing season and effects on grape yield, wine quality was evaluated.

Fertilization: A9:18:9 and 3:18:18 fertilizer application was applied with urea every two weeks during the growing season. Sulphur was added after veraison.

Fungicides: Applied as needed

Application: Amino Gluconate CalMag + B was applied from shoot lengths of +/- 15 cm till flowering. 3 applications were given at 5Lt/ha. Fulvic Acid was applied twice, once at fruit set and once at color break.

Results:

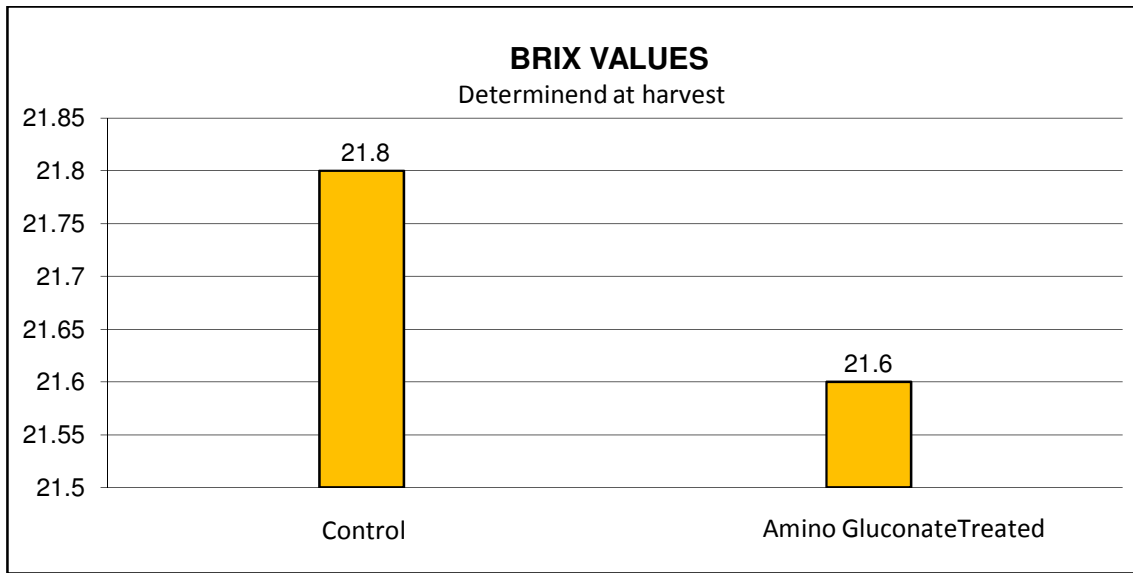
Vine Growth: It was noted that more vine growth and leaf matter on the foliar treated vines. 28% more leaves and 16% of these leaves were greener than the control group. Chlorophyll levels were determined +/- 30 days prior to harvest and the treated vines had +2 SPAD units more Chlorophyll than the control group.

Control

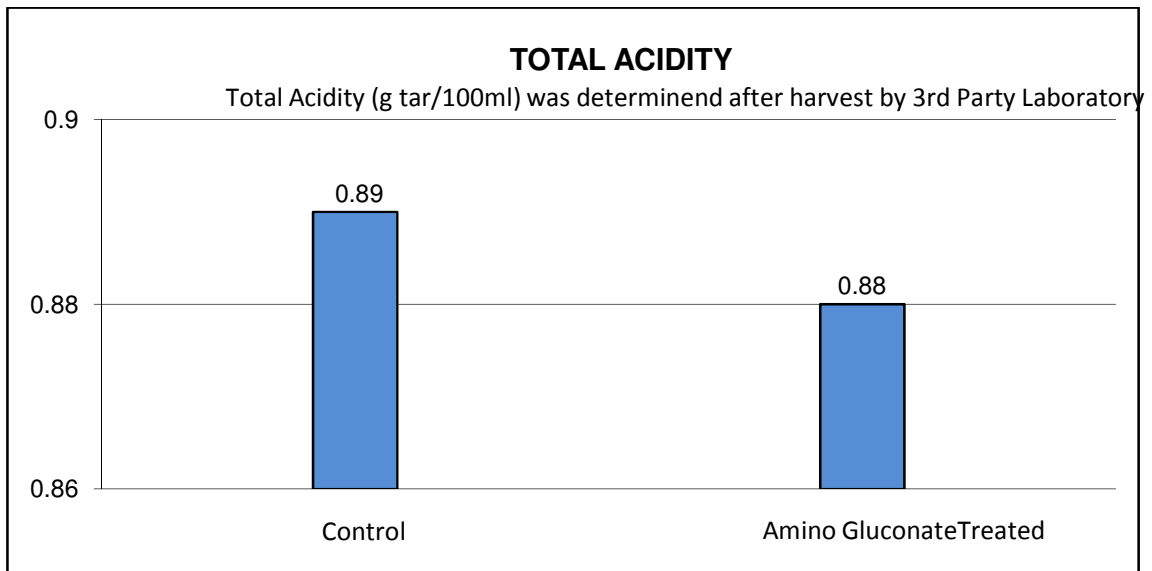
Treated



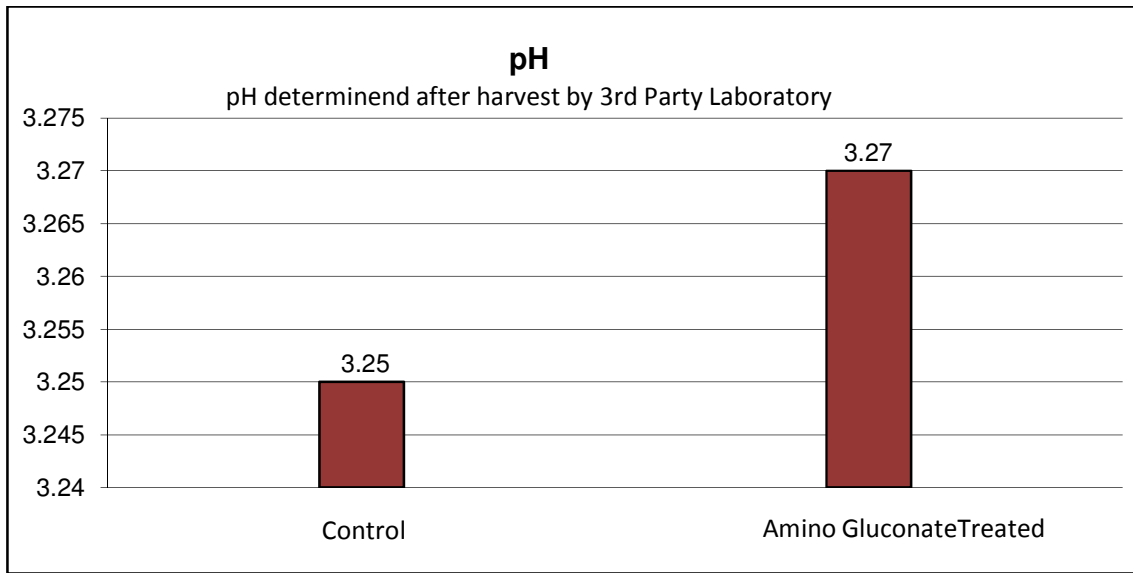
Brix Values:



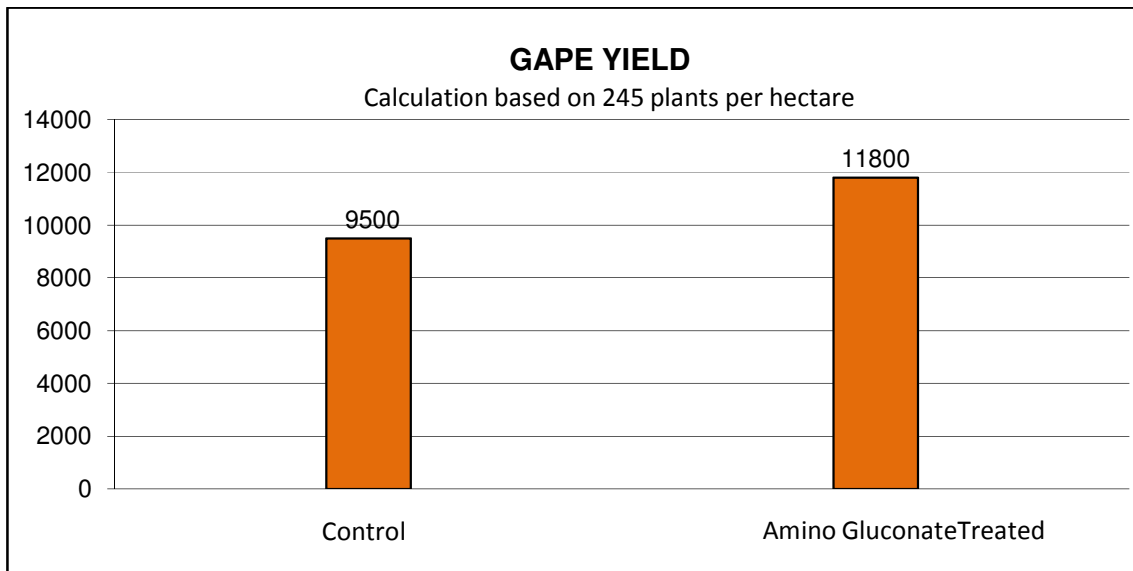
Total Acidity:



pH:



Grape Yield:



Conclusion:

This was the third year of this treatment on the same vines. The response to treatment was very well and an increase in grape yield of over 25% has been attained. The yield increase was as result of larger grapes, and more bunches per vine. Despite higher yields no quality aspects were compromised, the brix and quality of the grapes remained unaffected.