



**ACTIVE CONSTITUENT:**  
Calcium 7.2 w/w (10% CaO)

# Prevent Bird Attack on Grapes with no effect on Wine Quality

**RAINFAST - SAFE PRIOR TO HARVEST - NO EFFECT ON WINE QUALITY**



Control - Untreated



Treated Bunch - no damage

## GRAZER GUARD PROTECTS VINEYARDS FROM BIRD ATTACK

- **Calcium based systemic fertiliser** suitable for vegetable and tree crops as well as vineyards.
- **Non toxic** to both animals and plants.
- **Rainfast within 1 hour** – allowing greater flexibility in application if used with a wetter (SST Vitiwet).
- Recent research trials indicates that Grazer Guard also **decreases the likelihood of bird attack on mature grapes**, up to 7 day before harvest.

## GRAZER GUARD DOESN'T AFFECT WINE QUALITY - EVEN 7 DAYS PRIOR TO HARVEST! (AWRI 2021)

- **Grazer Guard forms a coating on the exterior of grapes** that is disliked by birds and provides protection for multiple weeks or until heavy rain. Re-application may be necessary after heavy rainfall events.
- **Reduced Bird damage by up to 43%** 3 days after using Grazer Guard. Rates can be as low as 200mL/100L (suggested rate 3L in 1500L water/Ha sprayed to point of runoff).
- Work completed by AWRI showed that **Grazer Guard did not affect wine quality parameters such as calcium levels, wine colour or tannin content - nor the onset or completion time of fermentation** - even at high application rates (400mL/100L).

Ref. AWRI – Fermentation and Sensory Evaluation of Wines Relating to the application of Grazer Guard to Wine Grapes, 13 September 2021

SelectAg project 19006a- FERMENTATION STUDY APPLICATION DETAILS WILLUNGA, SOUTH AUSTRALIA, AUSTRALIA, 2020

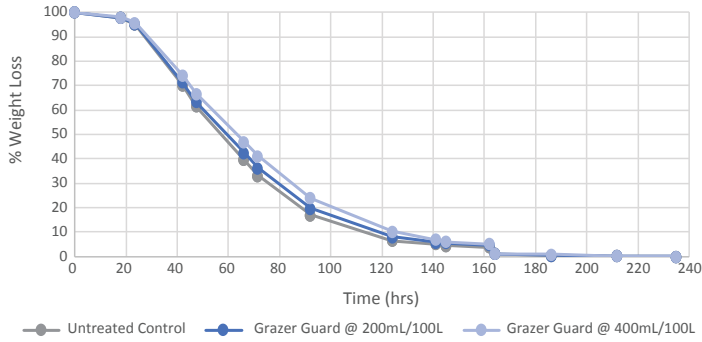
Mature grapes 3 days after application of Grazer Guard.

For more information, contact your local grochem representative

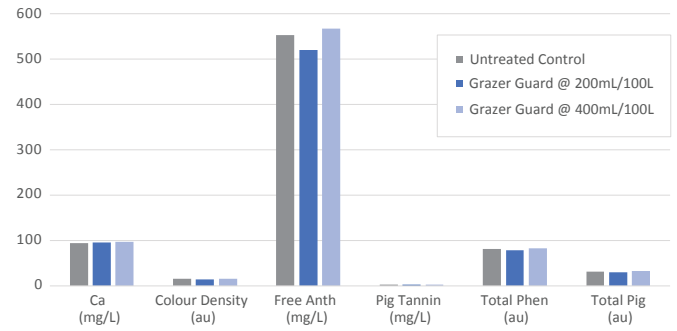
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### Comparison of Fermentation profiles



### Results of calcium levels, wine colour and tannin measurements

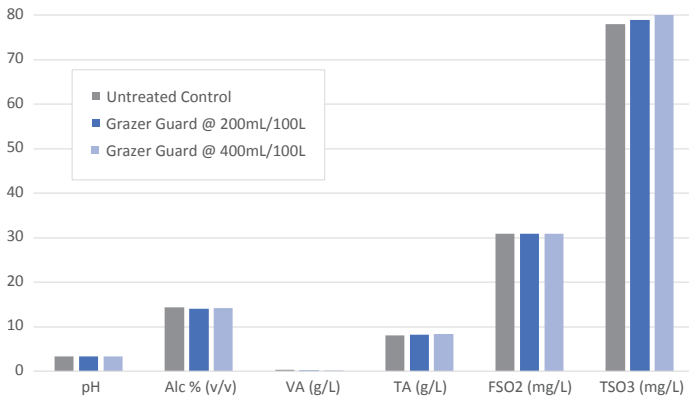


Ca- Calcium: Free Anth – free anthocyanins: Pig Tannin – pigmented tannin: Total Phen – total phenolics: Total Pig – total pigment: au – absorption units.

***“All grapes fermented in the same period of time – irrespective of treatment rate”***

***“Wine colour, tannins and calcium were unaffected by Grazer Guard”***

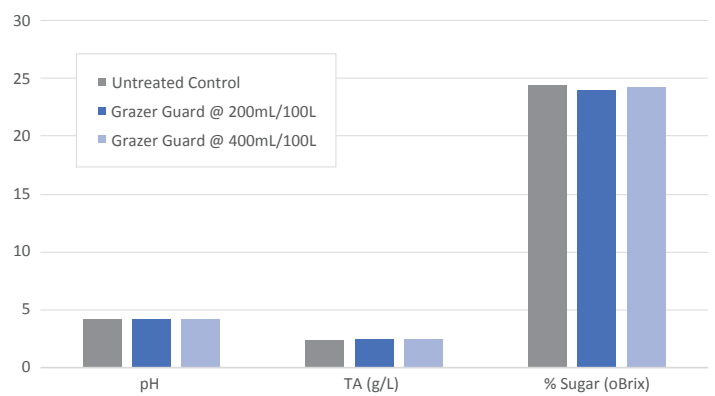
### Results of routine wine analysis



Note: G+F (g/L) all treatments <0.1

VA – volatile acidity: TA – titratable acidity 9pH 8.2): G+F – glucose + fructose (residual sugar): FSO2 – free sulfur dioxide: TSO2 – total sulfur dioxide.

### Results of routine grape analysis



***Grazer Guard has proven as an effective aid to not only fertilise vineyards but also inhibiting bird attack on Wine grapes within 7 days of harvest – with no significant impact on fermentation profiles, as well as grape and wine quality characteristics.***