



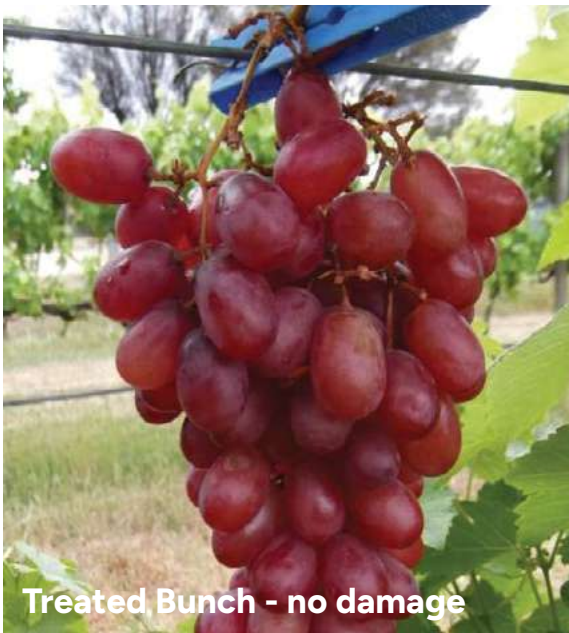
ACTIVE CONSTITUENT:
Calcium 7.2 w/w (10% CaO)

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

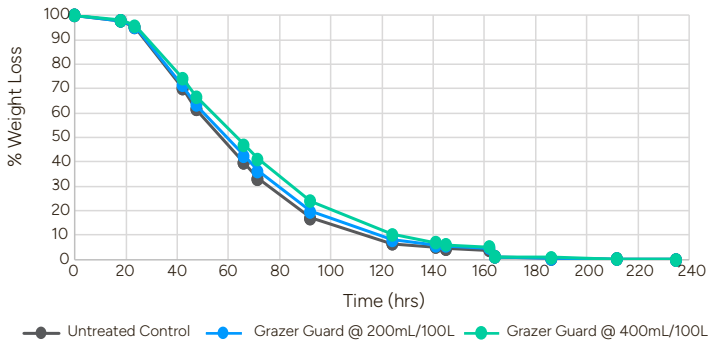
Mature grapes 3 days after application of Grazer Guard.

For more information, contact your local 7 Worlds Ag representative

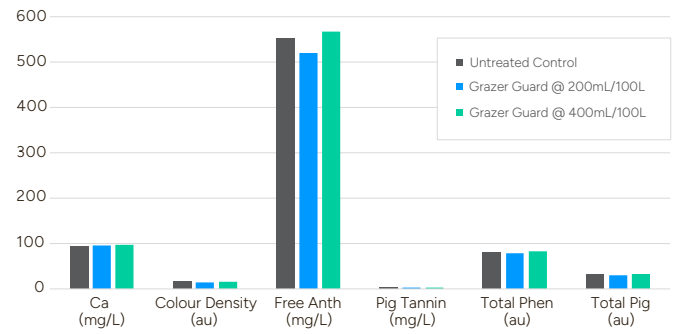
GRAZER GUARD



Comparison of Fermentation profiles



Results of calcium levels, wine colour and tannin measurements

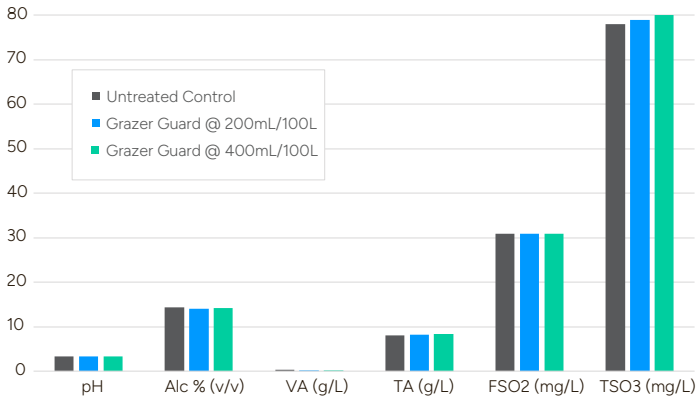


Ca- Calcium; Free Anth – free anthocyanins; Pig Tannin – pigmented tannin; Total Phen – total phenolics; Total Pig – total pigment; au – absorption units.

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

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

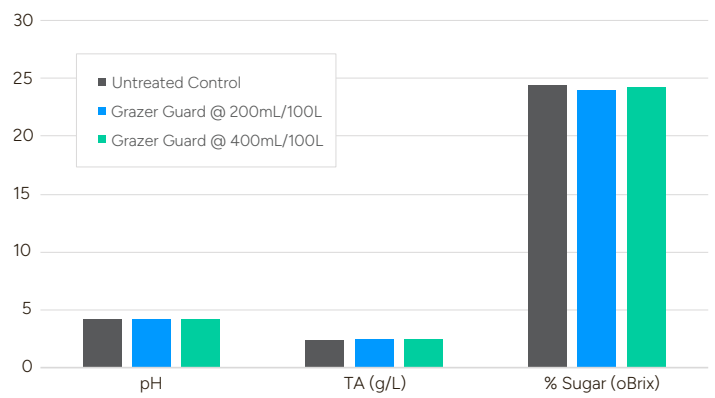
Results of routine wine analysis



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.