

# Agriwater Elevating Successes in Wine Grape Production

PREPARED BY: Remina Pienaar, Chief Science Officer, Agriwater.

Long Term Observations from the Breytenbach Vineyard



Vines and cover crop on Mr. Breytenbach's farm, drip irrigated with Agriwater treated irrigation water.



AgriWater



Harvest of the consistently good crop loads achieved on Mr. Breytenbach's farm in South Africa in full swing



Grapes produced by Mr. Breytenbach rendered and ready for making some top-quality wine.

### South African wine grape grower

, Mr. Fritz Breytenbach, started the conversion of his farm from strongly conventional with extensive chemical applications into the environmentally conscious, sustainable and consistently highly productive farm he is operating today in 2009. This conversion started with the installation of a Agriwater water treatment system. Agriwater water treatment has been the basis for successfully incorporating various other sustainable practices since 2009 (14 years) on this farm – enabling practices like cover cropping, biological inoculant applications and absolute minimal chemical fertilizer applications to link together to form a synergistic environment where natural production-enhancing ecosystems, nutrient cycles and gas exchanging can flourish and give optimum support to the crops that is grown.

**Mr. Breytenbach gives high praise to the role Agriwater water treatment plays in supporting soil health, soil life, and healthy root growth and system functionality.** He attributes the consistency he gets on crop yields, and the avoidance of lower yielding years, to the continuous support Agriwater water





Mr. Breytenbach, a proud top quality South African wine grape farmer.



Lookout onto part of Mr. Breytenbach's wine grape farm being irrigated with Agriwater treated irrigation water.

treatment gives to aerobic soil dynamics, nutrient interactions and general soil health. This all enables him to manage his crop much easier to achieve those consistently good yields.

Recently, it has become clear to Mr. Breytenbach that the impact of Agriwater water treatment is doing far more than just supporting a healthy and active aerobic soil environment and making management of his crop easier. Local wine makers have started to notice the superior quality of Mr. Breytenbach's grapes and have expressed their preference for buying in grapes produced on Mr. Breytenbach's farm. One of the wine makers, Carla Pauw, noted that Mr. Breytenbach's grapes always looks very healthy, and juice pressed from them have an extremely good taste due to perfect balances between acids and sugars in the berries. Furthermore, juice analysis of his grapes always has exceptionally good YAN (Yeast Assimilable Nitrogen) values. This means that the quality and quantity of nitrogen components in the sap from these grapes are of such a level that the wine makers often do not require further fermentation additives in their wine making process when using Mr. Breytenbach's Agriwater grown grapes.

On Mr. Breytenbach's farm Agriwater water treatment has been the glue that held all his efforts to promote sustainability, healthy and active aerobic soil environments, improved production rates and superior crop quality together and brought forward a highly rewarding return on this investment in this technology year in and year out.

## CONTACT

Agriwater to find out how we can support you in your pursuit of superior soil health and top quality crop production.

**EMAIL:**  
[info@agriwater.africa](mailto:info@agriwater.africa)