



CropBioLife is a plant foliar spray that boosts plant and soil health.

CropBioLife is a 100 % natural flavonoid-based spray, developed from naturally occurring bitter-orange extract.

This application data sheet contains an overview of CropBioLife application on wine grapes – including what to expect, results, and spray rates.



A healthier wine grape can achieve:

- Improved color
- Increased leaf brix
- Increased fruit brix
- Increase in anthocyanin and tannins
- Reduction in disease pressure
- Healthier plant = Better resistance to pests
- Reduction in drought stress
- Improved root health
- Improved soil biology
- Improved resistance to UV-B stress
- Improved overall health of the plant
- Improved photosynthesis

Documented experiences:

The table below shows experiences that that our customers had in which improvements were seen in key wine grape parameters following the application of CropBioLife for one season.

Parameter	Increase in Parameter *
Anthocyanins	Up to 9.5%
Tannins	Up to 24%
Total Phenolics	Up to 20%
Yeast Assimilable Nitrogen	Up to 40%
Leaf Brix	Up to 300%
Soil Microbiology	Up to 200%

*Experiences may vary. 'Documented experiences' refers to independent laboratory testing that was completed following the harvest with our customers. These increases vary according to the variety of grape.

Spray Application

The following table shows the spray rates and timing that we recommend based on 10 years of trial work.

Dose Rate	
Mix with clean water 260 mls per hectare or 200mls per 100 litres.	
Application 1	Application 2
Shoot length 15-20cm	End of cap fall
Application 3	Application 4*
Pea sized berries	Veraison

*4th spray is optional to improve ripening and mitigate stress towards the end of the season. Particularly important if early applications were not carried out. For a great start to next season a post-harvest spray is also recommended to boost carbohydrate storage for strong bud burst.



CropBioLife Results: on the left, untreated vines, and on the right, CropBioLife treated vines.