



## 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 tree crops – including what to expect, results, and spray rates.



### Documented experiences:

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

Parameter	Increase in Parameter *
Yield Increase	Up to 30%
Reduction in Pitting	Up to 50%
Reduction in Disease	Up to 70%
Pack Out Quality	Up to 20%
Flowering	Up to 40%
Leaf Brix	Up to 300%
Early Ripening	Up to weeks
Soil Health Improvement	Up to 100%
Increased Photosynthesis	Up to 60%

*\*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 tree type.*

## CropBioLife is exceptional at reducing the time to fruit bearing after new planting.

CropBioLife increases the trees capacity on two very important functions:

1. Boosted Photosynthesis provides extra glucose production which is used by the tree to assimilate nutrition at an enhanced rate. The process builds resistance in the tree against climatic conditions. Higher leaf and fruit brix ensures resistance to insect and fungi attack. The extra carbohydrates are pushed to the roots improving root development.
2. Root Exudation is improved through the extra carbohydrates and flavonoids which form critical roles in improving the symbiotic relationship between the tree and soil biology. This process significantly increases the mycorrhizal fungi around the tree roots which improves nutrient delivery to the tree. This process also improves the storage of soil organic carbon which is key to the water holding capability of the soil and offers a level of drought resilience.



### Spray Application

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

Crop	Dose per Acre	App. 1	App. 2	App. 3
Fruit and nut trees	100mls to 150mls per 100 litres of water.  If environmental or disease stress is present use 300mls per 100 litres of water	80-100% petal drop. The timing of this first application is critical	28 days later	28 days later