

NUTRIENT / STRESS MANAGEMENT

Nutri-Wise Report

SMARTER MANAGEMENT OF OLIVES PRE-FLOWERING TO FRUITSET

At present olives are in a pre-flowering or flowering phase. This is obviously a critical stage of development for fruit, both yield and quality parameters are highly dependant on this growth stage.

Olives set fruit on the previous years wood, with this in mind nutrient management of your trees now, not only determines the result you see in this years crop, but also has a profound effect on the following years crop also.

The quantity and quality of flowers depends on having the right conditions at several stages—during bud initiation the previous year, during the intervening winter for bud differentiation, and in spring during early flower development.

Important factors in flower development are high temperatures, low wind and low rainfall. Nutrient availability, particularly that of Calcium and Boron and adequate water, along with good leaf area and function during flower differentiation. Diurnal (day / night) temperature differential is also critical.

Pollination requires a minimum temperature of around 20 degrees, which could be difficult to achieve over the flowering period in Canterbury, for example.



Terra-Sorb® foliar

Now the majority of olive growers reading this will be thinking that a number of these requirements could be pretty hard to meet, particularly in South Island groves. These growers will also understand the need to optimise tree management and nutrition. Olive trees are prolific flowerers and a fruit set on as few as 10% or less of these flowers can produce a good crop, but in less than ideal environmental conditions this is not as easy as it

sounds.

Nutrient management is one of the best ways to ensure you get the best out of your crops potential. Supplying the appropriate nutrients at the optimum time in a readily plant available form will help nurse a crop through stress periods with minimal loss of potential. It is arguably the most cost effective management tool you have available.

MAXIMISE YOUR CROPS POTENTIAL

Terra-Sorb foliar is a unique new product with technical credibility, that will greatly improve any crops ability to achieve its full genetic potential even in the face of adverse growing conditions.

Terra-Sorb is a fertiliser based on a package of **all 18 essential amino acids** required for plant function. These amino acids are derived by **enzymatic hydrolysis, a process exclusive to Biolberica**, the manufacturer. This is the only method of extracting “free” or L α amino acids and only L α amino acids are able to form proteins, or,

“biologically active” These biologically active amino acids complement those produced by plants, and only **Terra-Sorb** contains **all** amino acids required to produce proteins.

So now when you **apply Terra-sorb** to a crop that could be adversely effected by cold or low light conditions (any spring crop in the South Island!) you are complementing and supporting the plants own metabolic function. In general terms applying **Terra-Sorb** the appropriate growth stages will go a long way to re-

versing the effects of an adverse environment.

Regular applications of **Terra-Sorb** combined with **Headland Boron**, **Headland Magnesium Super 80**, **Headland Jumbo** and **Headland Panda** over the flowering period will greatly improve olive fruit set and fruit quality.

Regular applications of **Terra-Sorb** combined with **Headland Panda**, **Headland Boron** and **Headland Jumbo** during early fruit development will greatly improve olive fruit size quality and oil yield.

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Terra-Sorb®

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