

Omnia E-Bulletin Nov/Dec 07



Omnia Products & Services

A Bunch of New Mates for the GreenSeeker™



Omnia Specialities Australia constantly strives to be the market leaders in adopting new strategies and utilizing technology to optimize our customers production and to help them manage and maintain the nutritional needs of their crop.

The **New Mate** range are organically chelated micro nutrients, known to outperform some synthetic chelates. They can be applied in various ways from foliar to soil applications and through fertigation systems. More good news for the grower is that the Mates wont cost an arm and a leg.



The special chelating process used, enables the Mates to be mixed with most fungicides and insecticides, but Omnia always suggests a jar test before any new mixes are made.



Introducing **GreenSeeker™** - A useful tool in Precision Agriculture

GreenSeeker™ utilises sophisticated NVDI scanning techniques to scan the green leaf surface of a crop and measures its health and vigor. The unit is linked to a GPS that produces a map of the paddock scanned showing the good and bad areas.

These scans are followed up with soil and OmniSap™ samples to further analyse cause and effect in the crop. Omnia's Specialist Agronomists can then identify and interpret the causes of these problems.

The end result should always be improved the crop yield and quality in a sustainable environment.

Omnia has a full range of product solutions to remedy the problems in the different zones of the maps. Products to stimulate root growth, aid stress relief, improve water and fertilizer efficiency and then the all new Mate range.



Green Seeker



Omnia International Interest ~ UAN K-humate™ Burn Trial Test

Broad acre farming is a very sensitive balancing act between costs and profit. This is one of the reasons why UAN is used so extensively on most broad acre crops. There has always been a draw back on this, being the burn that the UAN caused on the lamina of the crop. This burn puts the crop into stress and allows for secondary infections to get a foothold. Omnia did a lot of work to limit this burn effect with our top quality product, K-humate™. By adding a mere 1 litre of K-humate™ in the afternoon sun to a hectare (0.4 litre per acre) mixed with the UAN the burn was totally eliminated, with 10 litre more UAN per ha than the control. K-humate™ organically chelates the UAN improving the efficiency of the product while reducing the burn effect at the same time.



No Burn

UAN Applied 30Ltrs + 1Ltr K-humate + 19 Ltrs Water



Moderate burn

UAN Applied 20Ltrs + 30 Ltrs Water.

Omnia Trials ~ Macadamia Trees

Managed Inputs vs Productivity

With most farming practises nutritional inputs account for a relatively small percentage of the overall costs associated with producing and marketing a crop. They are also an input that can have a major effect on the quantity and quality of the end product. Unfortunately, however, nutritional inputs are often trimmed before any other cost in an attempt to increase the profit margins. This almost always is offset by a subsequent drop in yield and productivity.. and the downward spiral continues.

This by no means advocates throwing excessive fertiliser into a crop in the hope that production will increase. **It is a waste of time and money applying a fertiliser that the crop doesn't need.** Inputs of this kind must be closely managed and specific to the requirements of the farm and the trees on it. An accurate picture of nutritional shortfalls must be established by soil and leaf analysis enabling us to alter inputs accordingly. Further analysis and fine tuning will, over time, give us a happy medium between high yields with quality and input costs.

Selecting the correct products to apply and timing is critical for foliar applications in macadamias in order to achieve the desired result. Producing a strong flowering then holding sufficient nuts afterwards is the goal. Further nutritional monitoring and planning throughout the year ensures the following season produces highly as well helping to eliminate any biennial traits.

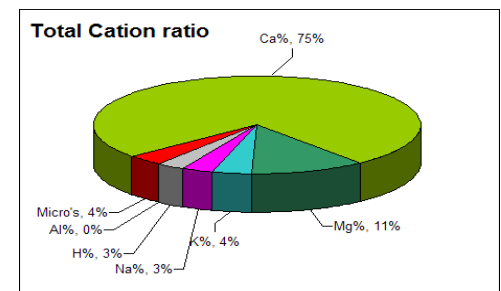
Soil Health is critical for optimum nutrient holding capacity. Good organic carbon levels as well as a healthy range of soil biology will help maintain a vigorous, continually growing root system which is essential for maximum nutrient uptake, particularly in the case of Calcium which is only taken up by actively growing root tips. High quality Humic and Fulvic acids will help with all of this.

Macadamia trees often lack in vital **Micro Elements**, Zinc, Iron, Manganese in particular. **Omnia** has a new range of liquid trace elements (the 'Mate' range) which are economical to use, organically chelated and highly available. Our trials have indicated far greater uptake in comparison with similar EDTA chelated products which are often much more costly. They are available as individual minerals or mixed products so there is a specific product available for most applications. See the enclosed brochure for further information on these products.

Trial work (strip trials) done in South Africa by Omnia has resulted in an average of **30% yield increases in Macadamias** by using **Mega-Kel-P** foliar at flowering (onset and 80% petal fall). On top of this better crack out was achieved in comparison with control plots. **Mega-Kel-P** is designed to manage stress in crops by suppressing Abscisic acid, a hormone present in crops under stress which causes fruit drop.



OmniBoost during fruit fill will help maintain optimum plant health during this stage. Heavier nuts equates to higher profit.



Talk to us, it pays!



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