

# Omnia E-Bulletin Jan/Feb 08



## Omnia Products & Services



## Crop Quality and Yield Enhancement Starts with the Seed

**SeedBoost™** is an easy to use, liquid seed dressing™ with high nutrient analysis and root growth stimulants. The larger and stronger root biomass of the young seedlings promoted by **SeedBoost™** increases their survival rate by improving nutrient uptake during the critical early growth stages increased levels of nutrients and growth regulators in grains have a positive effect on germination and crop yield.



Control



SeedBoost  
5L/tonne + water

### For Quick Start Up and Early Root Growth

- Increases nutrient levels in seed
- Improves seed quality and germination
- Boosts early root growth and vigour
- Improves seed resistance to moisture stress

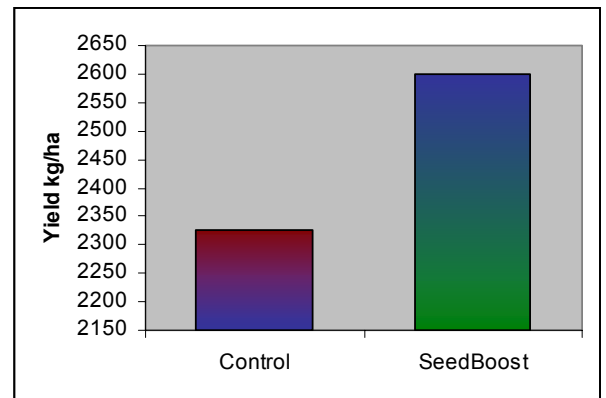
The snow peas in the trial were grown in a nutrient deficient medium. The improvement in the growth is only due to the **SeedBoost™** application.



Control

SeedBoost™

Wheat trials in WA using **SeedBoost™** at 5 litres per tonne of seed. Yield measurements were taken over various soil types. The graph shows an average 12% increase in yield with the use of **SeedBoost™**. The grower achieved increased revenue of \$60 per hectare for an additional input cost of only \$1.60 per hectare.



## Omnia Services - Sap/Soil Program ~ What can the Omnia soil recommendation do for YOU?

A soil analysis is just as good as the interpretation done on it. The Omnia interpretation gives the grower a full report on the amount of elements in the soil and the ratio between those elements. This is important information needed to determine the holding capacity of the soil and the amount of ameliorant needed. The Omnia system then calculates the ameliorant needs of the soil, based on a mathematical and soil chemical model. There is also the opportunity for the highly qualified Agronomist to adjust the recommendation to match the practical capabilities of each grower. Changing soil balance and improving soils with K-Humate have been proven in Omnia to strengthen crop resilience, increase yield and improve product quality. The soil physical properties like crust forming, soil aeration, water infiltration, biological activity and many more also improve with the correct soil balancing and nutritional recommendations. Correcting soil with the Omnia model will empower your soil to be a profitable and sustainable medium to grow any crop to its full potential.

## Omnia Technical Information ~ Fruit Fill and Post Harvest

As we move into the second half of summer so we need to focus on finishing crops to best advantage and to provide enough reserve in the plants to provide a good crop for the coming season. Many people underestimate the importance of Post Harvest Programs

### Fruit Fill


During fruit fill orchard plants have their second root flush. It is critical to make the most of this as the new growing points are the best source of calcium uptake. It is also a time when the plant comes under the most stress and special attention has to be paid to the anti oxidant system. Omnia has developed **OmniBoost-Hort**™ especially for horticulture to assist in this process.

2 Sprays of  at 5 L /ha during fruitfill.

### Post Harvest

Post harvest applications are the key to setting up the crop for the intense energy demands in Spring. Key elements to consider are N, P and Trace elements. Translocation to the plant's storage organs is very quick and efficient in the post harvest stage.

The following applications are recommended in the Post Harvest Stage.

Two sprays of  at 5l/ha plus 1% urea and 1% MKP should be complimented with 25kg/ha MAP Tech through soil or fertigation application.

## Omnia International Interest ~

Specific effects on juice and external fruit qualities are summarized in Table 1. This summary is based on numerous field experiments conducted over many years that evaluated the response of oranges to irrigation and fertilization practices. Most of these effects were consistently observed, but some of them appeared to depend on local conditions and growing regions. These observations are useful in developing a strategy to improve fruit quality for a particular variety or location.

### Effects of Mineral Nutrition and Irrigation on Citrus Fruit Quality ~ Summary

Variable	N	P	K	Mg	Irrigation
<b>Juice quality</b>					
Juice content	+	0	-	0	+
Soluble solids (SS)	+	0	-	0	-
Acid (A)	+	-	+	0	-
SS/A ratio	-	+	-	+	+
Juice colour	+	0	-	?	0
Solids/box	+	0	-	+	-
Solids/acre	+	+	+	+	+
<b>External fruit quality</b>					
Size	-	0	+	+	+
Weight	-	0	+	+	+
Green Fruit	+	+	+	0	+
Peel thickness	+	-	+	-	-
Increase (+), Decrease (-), No change (0), No information (?)					



*Talk to us. It pays.*

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