



# **omnia**

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## **NUTRIOLOGY\***

*\*the science of growing*

### **Humates/Fulvates**

World renowned,  
liquids and granular.  
100% Australian made

### **OmniBond**

Versatile biostimulant  
coatings to increase  
fertilizer efficiency

### **Seaweed**

Premium Bull Kelp  
concentrates

### **Trace Elements**

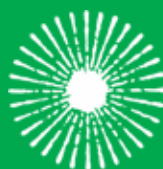
Organic  
chelated/complexed  
trace elements

### **Foliars**

Liquid foliars to  
ensure optimum  
crop production



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# Omnia at a glance

## Mining



## Agriculture



## Chemicals



## Environment



## Omnia

Omnia Holdings Limited ('Omnia' or 'Group') is a diversified Group with specialised services and solutions for the agricultural, mining and chemicals industries.

As a Group, Omnia creates customer wealth by leveraging knowledge.

Omnia continues to grow and prosper, offering extraordinary value to its customers by tailoring unique solutions to their business needs through product and service innovation, with the expert application thereof.



Omnia Specialities Australia is a leading manufacturer of plant nutrition products based in Australia.

Omnia Specialities has been manufacturing humate soil conditioners and fertilizers in Australia since 1990. Only the best quality leonardite is used in the specialised process, yielding the most concentrated humic acids in the world.

Omnia's product range has expanded to include trace elements, foliar fertilizers and kelp products, all with an organic base.

Omnia Specialities has a team of highly qualified agronomists and agricultural scientists, committed to continual development of new products.

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# Humates

## The international industry standard for humates (NASAA – organic certification No. 3456M)

Humic acids are naturally derived from the breakdown of plant and microbial matter, and accumulate over the years to form the foundation of all fertile soils. This is nature's way of minimising nutrient losses in order to maintain long-term soil fertility and to ensure sustainable plant growth.

Our high strength commercial product, K-humate, is extracted from Australian Leonardite, and have the humic acids in the soluble form of potassium humate.

### **K-humate – is considered a biostimulant and has the potential to:**

- Improve fertilizer efficiency
- Increase cation exchange capacity (CEC)
- Increase water holding capacity
- Increase penetration and retention of calcium in the soil
- Promote the development of good soil structure
- Reduce leaching and increase sustainability of soil fertility
- Decrease plant stress
- Stimulate beneficial microbial activity and root growth
- Improve yield and profit



**K-humate 26%:** Highly concentrated liquid humic acid.



**K-humate S100:** Concentrated granular soil conditioner.

# FertiCoat

## **The ultimate fertilizer coating** *A biostimulant product for superior fertilizer efficiency*

FertiCoat improves crop production through enhancing fertilizer efficiency. FertiCoat can protect applied elements from lock-up in the soil, whilst also influencing phosphate availability.

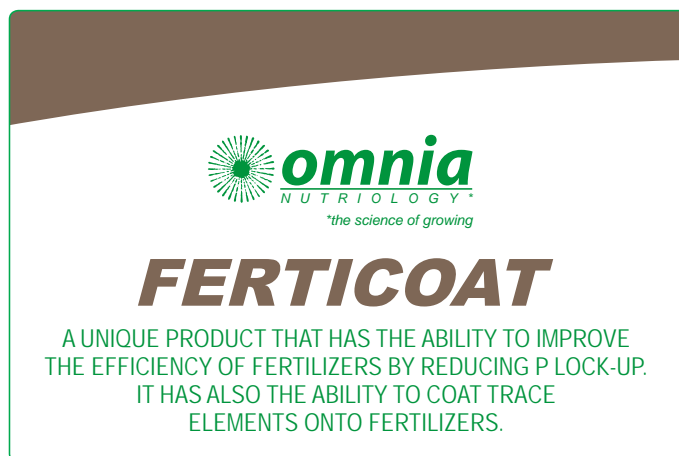
When applied to urea, FertiCoat has the potential to reduce volatilization and leaching, improving the level of available nitrogen to the crop. FertiCoat is also used as a dust suppressant in fertilizers.

### **When applied on granular fertilizers, FertiCoat has the potential to:**

- Improve fertilizer efficiency
- Reduce nutrient lock-up
- Reduce leaching
- Reduce volatilization
- Improve yield

### **When applied into liquid fertilizers, FertiCoat has the potential to:**

- Reduce UAN leaf scorch
- Improve nitrogen uptake
- Improve yield



# Fulvic Acid

## Concentrated nutrient booster *Improves nutrient uptake by plants*

Research shows that fulvates improve the efficiency of foliar applied fertilizers. This makes them very useful in quickly correcting any nutrient deficiencies, allowing your crop to bounce back as fast as possible.

- It has a biostimulation effect
- Improves plant responses
- Improves tank mix compatibility
- Reduces burning effects from 'hot' spray mixes
- Can be used regularly in fertigation applications
- Products are organically certified



**10% potassium fulvate (liquid)**



**75% potassium fulvate (dry)**



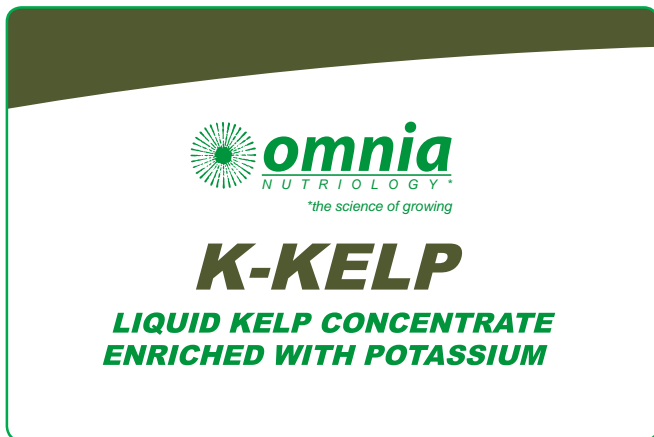
# Seaweed

**Concentrated seaweed from pure bull kelp (*Durvillaea potatorum*)**  
*Improve plant growth and soil health naturally*



**Products are  
organically certified**

**PuraKelp:** A natural organic plant growth stimulant and soil revitalizer - a low pH formulation.



**K-Kelp:** Liquid kelp concentrate enriched with potassium – a high pH formulation.



**HumaKelp:** Formulation of K-humate and kelp. The formulation ensures maximum benefit of highly active humic acids, and of the natural plant growth stimulants such as auxins and cytokinins



# Trace Elements

## Organically chelated trace elements (Cu, Zn, Mn, Fe)

Some forms of trace elements (when applied to leaves) do not enter into the tissue, but instead remain stuck to the leaf surface.

The Mates products are organically chelated. This enables both fast and extended uptake of micro-nutrients into the plant.

The Mates range of products are effective both in the soil and as foliar applications because of the organic chelation.

Our research has shown that these specially chelated micronutrients exhibit far superior uptake without the risk of foliage burn when used correctly.

These products are organically certified.

PRODUCT	TYPICAL ANALYSIS % (W/V)					
	Fe	Cu	Mn	Zn	B	Mo
Iron Mate	6.0					
Copper Mate		6.0				
Manga Mate			15.0			
Zinc Mate				15.0		
OmniBOR					15.0	
OmniMol						25.0
Customer blends can be made based on needs						

# Physiological Management Foliars

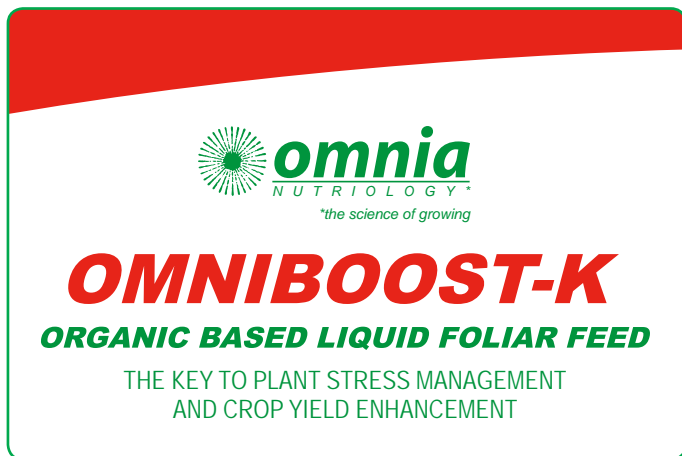
## Optimise production with Mega-Kel-P and OmniBoost-K by reducing stress

These products contain an impressive range of macro and micro nutrients with growth regulators.

These boost the anti-oxidant system of the plant and reduce stress induced toxins, repairs chlorophyll and stimulates the root system, leading on to increased yields.

### Mega-Kel-P and OmniBoost-K have the potential to:

- Accelerate root growth
- Improve calcium uptake
- Improve drought resistance
- Overcome nutrient deficiencies
- Enhance cell division
- Improve fruit set
- Reduce fruit drop
- Increase crop yield





# Seed Treatment

**Crop quality and yield enhancement starts with seed**

## SeedBoost:

- SeedBoost is an easy to use seed dressing liquid with high nutrient analysis and root growth stimulants.
- Aimed at developing a larger and stronger root mass, to better utilize moisture and nutrients.
- All nutrients are present in highly available soluble forms, easily used by germinating seed.
- SeedBoost improves crop establishment and will have a positive impact on crop yield.



MULTI NUTRIENT FORMULATION		
	Nutrient	%W/V
High Phosphate providing energy for germination and root growth	Nitrogen (N)	0.61
	Phosphorus (P)	11.4
	Potassium (K)	2.8
High Zinc content to stimulate root growth and hormone production	Sulphur (S)	4
	Zinc (Zn)	2.9
	Magnesium (Mg)	0.78
High Manganese helps plant defend itself against root diseases	Manganese (Mn)	3.73
	Iron (Fe)	0.33
	Copper (Cu)	0.63
Organic biostimulants enhance root cell extension in synergy with SeedBoost™ nutrient content	Boron (B)	0.04
	Molybdenum (Mo)	0.08
	Fulvic acid and root stimulants	

# Macro-nutrient Foliars

## FoliCal19 (19% Ca)

**FoliCal19** is a superior calcium formulation to increase resilience.

### Benefits include:

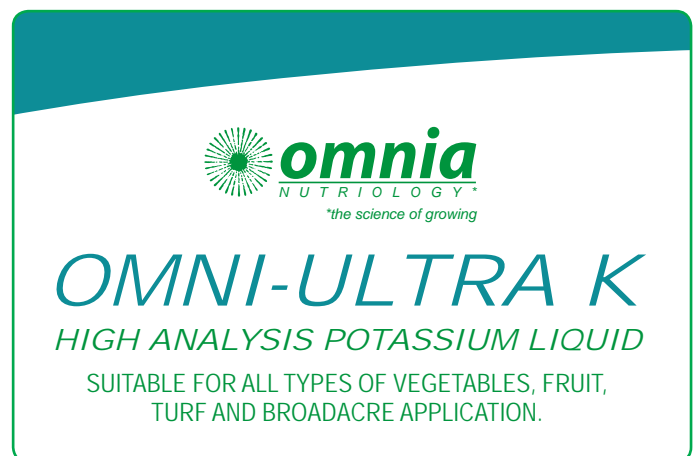
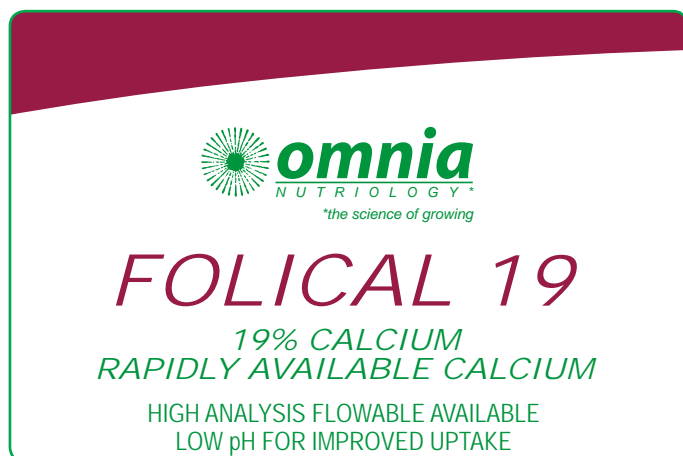
- Higher quality crops and improved shelf life
- Ideal for foliar application and fertigation
- The highest Ca concentration formulation on the market
- Convenient, value for money and crop safe

## Omni-Ultra K (30% Potassium)

**Omni-Ultra-K** is ideal for uptake during fruit filling and ripening.

### Benefits include:

- Potassium for immediate uptake to improve fruit fill and fruit size
- Improve fruit colour
- Plant available
- Potassium assists in disease resistance



# Greenseal / Gelseal

## The ultimate wound sealer to protect disease infections

Subsequent to the international success of Omnia's Greenseal product for the control of *Eutypa lata*, Omnia has further developed and registered a new economic Spray On formulation – Gelseal.

Both these products will assist in reducing diseases entering through pruning wounds and prevent yield decline.

*Eutypa lata*, also known as 'dead arm disease', is a very destructive disease of grapevines, resulting in yield decline and quality deterioration if left untreated. Spores of *Eutypa lata* invade the vine via pruning wounds and colonise wood tissue and causes dieback of cordons, stunting of green shoots, leaf yellowing and distortion, poor fruit set, loss in production and eventual death of the vine.

### GREENSEAL™

Registered for dieback of grapevines & silver leaf on apples & cherries.

- Fungicidal pruning/wound dressing for larger wounds
- Easy to apply, dries quickly
- Rainfast
- Flexible & tough rubber like acrylic resin

### Gelseal™

Registered for *Eutypa* dieback of grapevines.

- Economic spray on formulation
- For smaller & harder to manage vines
- Apply as a post pruning spray

Product	Macro Nutrients						Trace Elements						Organic Stimulants	Comments
Organics	N	P	K	S	Ca	Mg	B	Zn	Cu	Mo	Mn	Fe		
K-humate 26%			6.00										✓	K-humate 26% w/v (liquid) is a concentrated soil conditioner.
K-humate S100			18.00										✓	Soluble, 85% humic acid. Suitable for blending with inorganic fertilisers to enhance nutrient chelation and plant uptake.
K-fulvate 10%													✓	Potassium fulvate 10%. Rapid response when used as a foliar spray.
Fulvic Acid Powder													✓	Soluble powdered fulvic acid containing 75% fulvic acid and 18% potassium.
HumaKelp			4.00										✓	A blend of K-humate liquid soil conditioner and kelp liquid.
K-kelp			3.70										✓	A concentrated growth regulator for plants and for revitalising soils. Enriched with potassium.
PuraKelp													✓	Contains a formulation of vitamins, amino acids, plant growth hormones and enzymes.
Ferticoat			5.00										✓	Use as fertilizer coating or to add to UAN to improve efficacy and reduce leaf scorch.
Trace Elements														
CopperMate									6.00				✓	Organically chelated copper - 6% copper.
IronMate												6.00	✓	Organically chelated iron - 6% iron.
MangaMate											15.00		✓	Organically chelated manganese - 15% manganese.
ZincMate								15.00					✓	Organically chelated zinc - 15% zinc.
OmniBor	6.90						15.00							Rapidly available boron - 15% boron and 6.9% nitrogen.
OmniMol		11.00								25.00				25% molybdenum, 11% phosphorus.
Foliars														
OmniBoost-K	6.00	13.00	3.10	3.30		2.00	0.35	2.00	0.34	0.04	2.90	0.26	✓	Boosts energy, stimulates root development, stress reliever.
Mega-Kel-P	4.00	9.00	2.10	2.70	0.13	1.30	0.22	1.30	0.23	0.03	1.90	0.18	✓	High phosphorus, essential micro nutrients, boost early root growth, flower setting and energy.
FoliCal 19					19.00								✓	The highest liquid calcium concentration on the market. Value for money.
Health Products														
Greenseal													✓	Pruning wound dressing incorporating acrylic resin and powerful fungicide for excellent disease control.
Gelseal													✓	Specifically formulated to provide excellent <i>Eutypa</i> control in a convenient spray on formulation.
GN2 Plus													✓	Unique stem applied capsule formulation for the management of <i>Eutypa Lata</i> .