



# NATRAPONICS®

Organic Hydroponic Nutrient

**Bio-Fermentation Technology**

Plant and Microalgae amino acids

+ 'Ormes' Marine Minerals

+ Soluble Volcanic Rock Minerals

Establish growth and strength with organic sourced:

**N - P - K - Ca - Mg - Trace Minerals**

**Strictly no animal products such as blood, bones, feathers, fish, prawn, animal manures, composted poultry, pig manure and no Urea is used in NATROPONICS**

CONTENTS: 1-5-20-200-1000 Lt  
RESEARCHED, DEVELOPED AND **MADE IN AUSTRALIA**

### **BENEFITS - HYDROPONICS MADE EASY**

- Used as a **ONE PRODUCT SOLUTION FOR HYDRPONICS**
- No A+B solutions-save time and money
- Organic - non synthetic - no chemicals used in formulation
- Builds strong root during plants vegetative stage
- Can be used as an additional over spray for crops to absorb more light photons (energy) and to increase chlorophyll levels
- Foliar spray beneficial for growing in cloudy or light impaired conditions.
- Crops have higher brix levels, crisp, longer shelf life and better colour
- No toxic heavy metals

### **NATRAPONIC INGREDIENTS**

**NATRAPONICS** is unique, it contains over 70 marine sourced/volcanic rock minerals, trace elements, organic nitrogen and 'Ormes'.

- 'Ormes' are sourced from pristine sea water off the Eastern Australian coast, close to the continental shelf with its increased mineralization due to the prevailing sea current (upwelling).
- 'Ormes' are certain metals in a mono-diatom super-conductor form (Au, Ag, Cu, Pt), aiding electron transfer of nutrient/minerals between the plant cells .
- 'Ormes' aids in the plant absorbing light energy

### **NATRAPONICS**

- Has the necessary concentration of the macro minerals: Nitrogen, Phosphorus, Potassium, Magnesium, Calcium, Sulphur, Silica and many trace minerals required for plant growth
- **Bio-Fermentation Technology(BFT)** - Organic Nitrogen, Amino-acids and Bio-stimulants such as natural plant growth auxins.
- Solubilised volcanic rock – high phosphorus, calcium and silica for plant strength and reduction in stress.
- Contains an organic silica wetter/penetrant which aids in the increase of nutrient uptake by the roots

### **DOSE RATES**

- 3 - 5ml per litre of water, replenish as nutrient solution decreases.
- Use lower rate (3ml) in early growth stage and cooler temperature
- Use middle rate (4ml) for transition into flowering, fruiting and ripening
- Use higher dose rate (5ml) when fast vegetative growth is required
- Use higher rate (5ml) for larger crops e.g. cucumber, tomatoes, blue berries etc. in 'run to waste systems'

### **RECIRCULATING NUTRIENT SOLUTION TIPS**

Keep nutrient solution temperature below 25 C

Change nutrient frequently and top up with NATRAPONICS dilution as needed

Keep nutrient solution aerated

For best results, maintain nutrient solution pH 5.5-6.5

**EASY TO USE:** No WHP No residues No odour No need for protective clothing

### **SAFETY DIRECTIONS**

Will irritate the eyes and skin.

Avoid contact with eyes and skin.

If product on skin immediately wash with soap and water

If product or spray in eyes wash immediately out with water

Wash hands after use

After each day of use, wash gloves, goggles and contaminated clothing

### **STORAGE AND DISPOSAL**

Store in the closed original container in a cool well-ventilated area

Do not store for prolonged periods in direct sunlight

Do not dispose of undiluted product on site

Dispose of any unused product/drums according to local regulations

If recycling, replace cap and return clean container to recycler or collection point

If not recycling, break, crush or puncture and deliver empty container for appropriate disposal to an approved waste management facility

Do not burn empty container or product

### **FIRST AID:**

If poisoning occurs contact your doctor or Poisons Information Centre.

**Australia** 13 11 26 NZ 0800 764 766

If swallowed DO NOT induce vomiting. Give a glass of water

If skin contact occurs wash skin thoroughly

If in eyes, hold eyes open, flood with water for at least 15 mins and visit a doctor

### **MATERIAL SAFETY DATA SHEET**

For further information refer to Material Safety Data Sheet (MSDS) available from supplier

### **CONDITIONS OF SALE:**

Because South Pacific Bio Tech Pty Ltd has no control over handling, storage or use of NATRAPONICS, the company makes no express or implied representations or warranty (other than non-excludable statutory warranties). This product is sold on the condition that the buyer and/or user assumes all risks of the handling, use of NATRAPONICS and results obtained from its use



## NATRAPONICS ANALYSIS (mg/Lt)

Nitrogen (Amino acid complex)	3.4%
Phosphorus, P as P2O5	2.2%
Potassium, K	3.1%
Magnesium, Mg	1.8%
Calcium, Ca	1.4%
Sodium, Na	0.4%
Sulphur, S	1.2%
Silicon as SiO2	0.2%
Zinc, Zn	589 mg/kg
Iron, Fe	1240 mg/kg
Copper, Cu	222 mg/kg
Manganese, Mn	676 mg/kg
Boron, B	203 mg/kg
Molybdenum, Mo	22.2 mg/kg
Selenium, Se	2.5 mg/kg
Total Organic Carbon	9.6%
Organic Matter	16.0%

**NOTE:** This analysis does not include the super conductor metals of the “Ormes” group

### RESEARCHED, DEVELOPED AND **MADE IN AUSTRALIA**

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