



FERTI-TECH

# Ferti-ALLTrace™

Broad Acre and General Purpose Strategic Trace Foliar

## Ferti-ALLTrace™

Focused on Optimal and Balanced Trace Element Support, Ferti-ALLTrace™ is specially formulated to ensure your Trace Element Applications are not wasted through counter-productive over-dosing of one element, or lacking effect through under-dosing all the required elements. Ferti-ALLTrace™ addresses many forms of chlorophyll deficiency, yellowing, poor seed set, poor immune and pathogenic defence responses, low enzyme, calcium and nitrogen synthesis.

### ALLTrace™ % w/v

Zinc	6.1
Copper	3.1
Manganese	1.6
Boron	0.51
Iron	0.16
Molybdenum	0.20
Nickel	0.12
Cobalt	0.11
Amino Acids*	1.67

\*AMINO ACIDS LYSINE AND THREONINE SIGNIFICANTLY IMPROVE TRACE RESULTS

COPPER, ZINC, MG/MO. ARE ESSENTIAL FOR OPTIMAL ENZYME ACTIVITY. ENZYMES ARE BIOLOGICAL 'CATALYSTS' THAT DRAMATICALLY IMPROVE THE RATE AND EFFICIENCY OF CHEMICAL REACTIONS AND PLANT PRODUCTIVITY

**Recommended Dosage Rate**  
(Use Tissue and Sap Testing for Best Analysis and Required Rate)

### Broad Acre Cropping

- Apply 1 - 3 Litres per Hectare

### Pasture

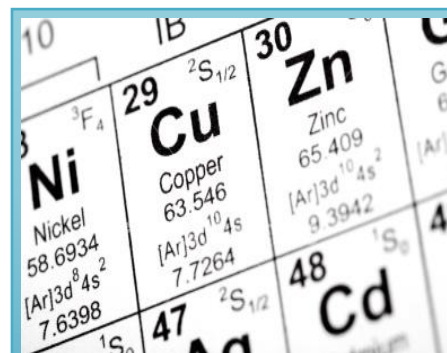
- Apply 1 - 2 Litres per Hectare

### Horticulture

- Apply 2 - 4 litres per Hectare
- Repeat per foliar or fertigation as Tests indicate.

### Nitrogen (UAN) & Other Additions

- Mix with UAN up to 5:1
- Do not Mix Neat, Add to Cart
- Suitable for use with other Ferti-Tech Supplemental Nutrition.
- Subject to FTA Advice and Jar Test
- SG 1.32 g/cm3 – pH 1.5



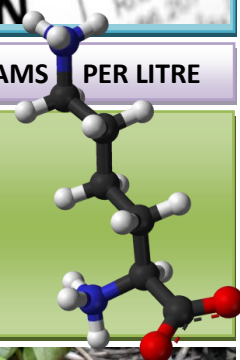
Ferti-ALLTrace™ provides Strength against Stress Manganese, Copper and Zinc all combine to ensure a strong, nutritionally based resistance to pests and disease. Boron, Molybdenum and Nickel provide Nitrogen and Calcium Efficiency



HIGH LEVEL TRACE FORMULATION – EG. MOLYBDENUM 0.2% W/V = 2GM PER LITRE = 2000 MILLIGRAMS PER LITRE

## Ferti-ALLTrace™ has Amino Acids (including Lysine) at Very Significant Levels

- Amino Acids are critical to the proper functioning of life and nutritional synthesis
- Lysine plays a major role in Calcium Absorption and the synthesis of Nitrogen
- ALLTrace™ also contains other Amino Acids to buffer Nitrogen Burning
- Also Aspartates and Glutamates for a much stronger Amino Acid Activity Level



Suitable for all Broad Acre Cropping, Pasture, Centre Pivot and Boom Spray Foliar Applications.

**Ferti-ALLTrace™**  
The Balanced and Smart Way to Raise Trace Levels without Compromising other Trace Nutrient Ratios!



Ferti-Tech - Carbon Systems Agronomy

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Ferti-ALLTrace is a balanced and complete formulation that will address many Trace Element needs quickly and efficiently.  
**"Better Soils, Crops and Profits, You Can Measure and See"**

NUTRIENTS	SYMPTONS OF DEFICIENCIES	ROLE
Zinc (Zn)	<ul style="list-style-type: none"> <li>• Interveinal chlorosis (yellowing)</li> <li>• Light yellow or white areas</li> <li>• Often occurs in younger leaves first</li> </ul>	<ul style="list-style-type: none"> <li>• Synthesis of plant growth substances</li> <li>• Involved in enzyme systems</li> <li>• Essential for promotion of certain metabolic reactions</li> <li>• Necessary for production of chlorophyll and carbohydrates</li> </ul>
Copper (Cu)	<ul style="list-style-type: none"> <li>• Young leaves die</li> <li>• Chlorosis</li> <li>• Failure to set seed</li> <li>• Rolling and coiling of new leaves</li> <li>• Leaf up turns light green to cream</li> </ul>	<ul style="list-style-type: none"> <li>• Chlorophyll formation</li> <li>• Catalysis in several plant reactions</li> <li>• Cell wall formation</li> <li>• Higher polymers and protein formation</li> </ul>
Manganese (Mn)	<ul style="list-style-type: none"> <li>• Interveinal chlorosis</li> <li>• When severe, necrotic spots or streaks may form</li> <li>• Often occurs first on young leaves</li> </ul>	<ul style="list-style-type: none"> <li>• Part of enzyme systems in plants</li> <li>• Aids chlorophyll synthesis</li> <li>• Promotes germination</li> <li>• Accelerates maturity of the plant</li> <li>• Increase the availability of phosphorus and calcium</li> </ul>
Boron (B)	<ul style="list-style-type: none"> <li>• Death of growing points and development of a 'witch's broom' effect</li> <li>• Poor seed set</li> </ul>	<ul style="list-style-type: none"> <li>• Germination of pollen grains</li> <li>• Seed and cell formation</li> <li>• Sugar translocation</li> <li>• Protein formation</li> </ul>
Iron (Fe)	<ul style="list-style-type: none"> <li>• Interveinal chlorosis with green veins</li> <li>• In severe case may mean total leaching of young foliage followed by necrosis</li> <li>• Occurs first on young leaves</li> </ul>	<ul style="list-style-type: none"> <li>• Catalyst in the formation of chlorophyll</li> <li>• Oxygen carrier</li> </ul>
Molybdenum (Mo)	<ul style="list-style-type: none"> <li>• In legumes, a general paleness develops</li> <li>• Poor nodulation in legumes</li> <li>• In non-legumes, a mottled pale appearance</li> </ul>	<ul style="list-style-type: none"> <li>• Changing nitrates to ammonium</li> <li>• Converting inorganic – P to organic forms</li> </ul>
Nickel (Ni)	<ul style="list-style-type: none"> <li>• Necrotic Spots and plant cell lesions</li> <li>• Nitrate burn</li> <li>• Residual nitrogen inefficiencies.</li> </ul>	<ul style="list-style-type: none"> <li>• Key element in the proper functioning of the urease enzyme in nitrogen assimilation.</li> <li>• Zinc and Iron co-factor replacement in some plants.</li> </ul>
Cobalt (Co)	<ul style="list-style-type: none"> <li>• Yellowing and chlorosis in Legumes due to poor rhizobium development.</li> <li>• Poor nitrogen assimilation in many other plants.</li> <li>• Mucosal disease and mange in animals.</li> </ul>	<ul style="list-style-type: none"> <li>• Essential for Vitamin B12 production in animals.</li> <li>• Proper rhizobium nitrogen fixation and performance.</li> <li>• Soil bacteria stimulation.</li> </ul>
Amino Acids	<ul style="list-style-type: none"> <li>• Lack of vigour</li> <li>• Susceptibility to disease, necrosis, rot and general reversal of fertility and health until death.</li> <li>• Nothing works without Amino Acids.</li> </ul>	<ul style="list-style-type: none"> <li>• Building blocks of protein.</li> <li>• Essential elements for the proper expression of growth and gene replication.</li> </ul>

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