INNOVATIVE and AUSTRALIAN

Key-El Copper

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Quality soil supplement for the prevention and correction of Copper deficiencies.

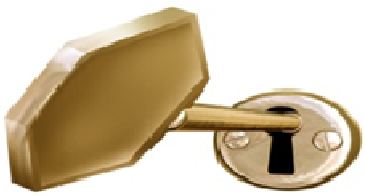
Copper is an activator for several enzymes leading to efficient photosynthesis and starch formation.

Key-El Copper

- Enhanced root uptake and translocation.
- Increased plant availability.
- Reduces leaching.
- Decreases soil tie ups.

Key-El Copper chelate

Key-El Copper is an essential plant micronutrient that is chelated in a Ethylene Diamine Tetraacetic Acid **(EDTA)**, to create a highly efficient soil trace element fertiliser. The chelate delivery package further ensures that the nutrient is plant available via the root system.



Copper Deficiencies

Copper deficiency in cereals leads to partially or completely withered heads, inwards rolling of leaves, leaf distortion and premature browning of awns. Severe deficiency results in poor or no seed set in cereals.

Crop maturity can be delayed as a result of a copper deficiency

Copper's role in Plants

Copper is essential for many plant growth functions such as, chlorophyll formation, photosynthesis, respiration, amino acid conversion to protein, and starch formation.

Copper is also necessary for seed development especially in cereals.

Copper requirements

Copper is an essential micronutrient in many cropping regions of Australia. Copper is essential for various enzymes and pigments including phytochrome, a natural pigment that is essential for seed germination, heading and seed development.

Conventional copper is strongly bound to organic matter. Soil levels with high organic matter are more likely to be copper deficient.

Pack Size

Available in 2kg & 15kg packs.

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"Another quality product from Barmac Pty Ltd"

Key-El Copper

ANALYSIS

14 % Copper as EDTA Chelate.

APPLICATION

For use in a regular nutrient program for all crops requiring Copper via fertigation, water wheel or soil injection. Optimum rate of application will vary between fields. Multiple applications may be needed throughout the season. The application rate may need to be varied with changes in plant size, canopy or crop load.

MIXING INSTRUCTIONS

1. Dissolve contents before using.
2. Put 1/3 of water in the fertigation tank.
3. Add correct amount of **Key-El Copper.**
4. Continue to fill tank with water and agitate.
5. Conduct jug test if requiring multiple nutrient mixing.

APPLICATION RATES

Minor Deficiency

Apply 0.5 Kg to 1.0 Kg of **Key-El Copper** per application per hectare throughout the cropping season as needed. Multiple applications may be needed to correct deficiencies once they occur.

Major Deficiency

Apply 1.0 Kg to 2.0 Kg of **Key-El Copper** per application per hectare throughout the cropping season as needed. Multiple applications may be needed to correct deficiencies once they occur.

Key-El Range & Analysis

Key-El BTE	***0.9% Boron (B) as Borate*** ***1.7% Copper (Cu) as EDTA Chelate*** ***3.3% Iron (Fe) as EDTA Chelate*** ***7.8% Magnesium (Mg) as Sulphate*** ***1.7% Manganese (Mn) as EDTA Chelate*** ***0.8% Zinc (Zn) as EDTA Chelate*** ***0.023% Molybdenum (Mo) as Molybdate*** ***10.4% Sulphur (S) as Sulphate***
Key-El Calcium	***10% Calcium (Ca) as EDTA Calcium***
Key-El Copper	***14% Copper (Cu) as EDTA Chelate***
Key-El Iron	***13% Iron (Fe) as EDTA Chelate***
Key-El Magnesium	***6% Magnesium (Mg) as EDTA Chelate***
Key-El Manganese	***13% Manganese (Mn) as EDTA Chelate***
Key-El Zinc	***14% Zinc (Zn) as EDTA Chelate***

Barmac Nutrition Product Range

"AUTOFERT"	**Liquid nutrition for plant & soil health.**
"Key-El"	**Soluble EDTA chelates.**
"Ligno-Plex"	**Fertigation Lignosulphonate liquids.**
"Manni-Plex"	**Foliar applied micronutrient technology.**
"CoRoN"	**Controlled Release foliar nitrogen.**
"Sure-Flow"	**NPK with trace element soluble blends.**

For more information on Key-El Copper contact -

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Edition 110308

Key-El Copper

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