



INNOVATIVE and AUSTRALIAN

# Key-El Iron

**Quality soil supplement for the prevention and correction of Iron deficiencies.**



*Iron aids in energy transfer and is required for chlorophyll formation.*

## Key-El Iron

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

## Key-El Iron chelate

**Key-El Iron** 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.



## Causes of Iron Deficiencies

- Alkaline soils
- Water logging
- High organic matter
- Root damage from disease & insects
- Low soil temperatures
- Recently limed soils
- Nutrient tie ups

## Iron Requirements

Iron is essential for the formation of Chlorophyll. Therefore, when iron is unavailable to the plant, iron deficiency results. Prolonged iron deficiencies can result in decreased shoot and root growth because of lack of Chlorophyll to maintain photosynthesis. Iron deficiencies do not usually result from a lack of iron, but rather because the iron is tied up or fixed in insoluble compounds. The most common symptom for iron deficiency starts out as an interveinal chlorosis of the youngest leaves, evolves into an overall chlorosis, and ends as a totally bleached leaf.



## Foliar Application

Refer to Mani-Plex Iron.

## Pack Size

Available in 2kg & 15kg packs.

Key-El Iron

[www.barmac.com.au](http://www.barmac.com.au)

*“Another quality product from Barmac Pty Ltd”*

# Key-El Iron

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## ANALYSIS

13 % Iron as EDTA Chelate.

## APPLICATION

For use in a regular nutrient program for all crops requiring Iron 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 Iron**.
4. Continue to fill tank with water and agitate.
5. Conduct jug test if requiring multiple nutrient mixing.

## APPLICATION RATES

### Minor Deficiency

Apply 1.5 Kg to 2.5 Kg of **Key-El Iron** per application per hectare throughout the cropping season as needed. Multiple applications may be needed to correct deficiencies once they occur.

### Major Deficiency

Apply 3.0 Kg to 4.5 Kg of **Key-El Iron** 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 Iron contact -*

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