



# Iron Essentials™

Liquid iron chelated with organic acids for enhanced plant uptake.



ORGANIC  
TRACE  
ESSENTIALS

Iron plays an essential role in the formation of chlorophyll and adequate levels are critical for optimum plant production. Iron deficiencies are common, particularly in alkaline soils. Typical deficiency symptoms include interveinal chlorosis and leaf bleaching. Now you can address your iron requirements with an ACO Registered Farm Input.

Iron Essentials™ contains 6% iron organically chelated with fulvic acid and amino acids. This revolutionary mix of biological chelating agents improves plant uptake and assimilation of iron.

## BENEFITS

- Australian Certified Organic (ACO) Registered Farm Input 456AI (Restricted).
- 6% iron with natural chelating agents including fulvic acid and amino acids for enhanced uptake.
- Iron is essential for chlorophyll formation.
- Iron also acts as a catalyst in many essential plant reactions.
- Includes natural plant growth and microbial promotants.

## PACKAGING:

1 L, 5 L, 20 L,  
200 L, 1000 L

Product Code:  
IRONESS



**RESTRICTION:** This product contains iron. Use is allowed only for a documented or observed need with a plan to avoid iron imbalances. Use outside this context may not be compliant with the Organic Standards.

# Iron Essentials™

## APPLICATION RATES

### Foliar Spray:

#### Vegetables

0.5 L per 100 L water up to 2.5 L/ha equivalent  
Apply as required

#### Orchards & Vineyards

0.5 L per 100 L water up to 5 L/ha equivalent  
Apply as required

#### Ornamentals & Turf

0.5 L per 100 L water up to 3 L/ha equivalent  
Apply as required

#### Broadacre Crops

0.5 – 1 L/ha in 60 – 100 L water, depending on canopy closure  
Apply as required

#### Pasture

0.5 – 1 L/ha in 60 – 100 L water  
Apply as required

#### Spot-Spraying

25 mL per 10 L water  
Apply as required

### Fertigation:

#### Vegetables, Ornamentals & Turf

3 L/ha, apply as required

#### Orchards & Vineyards

3 – 5 L/ha, apply as required

### Home Garden Application:

Dilute 7.5 mL per 9 L watering can and apply the diluted mix at a rate of 1 litre per square metre  
Do not apply more than 6 times per year without demonstrated trace element requirement.

## STORAGE & HANDLING

- Read safety directions before use.
- Store in a cool dry area out of direct sunlight. This product has been tested to store safely down to 5°C. Crystallisation or sedimentation may occur below 5°C. Do not pre-mix or store in diluted form. Seal lid/cap immediately after use.

**Disclaimer:** Any recommendations provided by Nutri-Tech Solutions Pty Ltd (NTS) or its Distributors are advice only. As no control can be exercised over storage, handling, mixing, application or use, or weather, plant or soil conditions before, during or after application (all of which may affect the performance of our program), no responsibility for, or liability for any failure in performance, losses, damages, or injuries (consequential or otherwise), arising from such storage, mixing, application, or use will be accepted under any circumstances whatsoever. NTS recommend you contact an Agronomist prior to product application. The Buyer assumes all responsibility for the use of any NTS products.

## TYPICAL ANALYSIS W/V

|                                  |               |
|----------------------------------|---------------|
| Iron (Fe)                        | 6.0%          |
| Total Nitrogen (N) (as organic)  | 0.12%         |
| Total Potassium (K) (as organic) | 0.14%         |
| Sulfur (S)                       | 3.49%         |
| Calcium (Ca)                     | 247 mg/L      |
| Magnesium (Mg)                   | 351 mg/L      |
| SG                               | 1.1           |
| pH                               | 2.0 – 3.0     |
| Conductivity                     | 35 – 55 mS/cm |
| Appearance                       | Brown liquid  |

## INSTRUCTIONS

**Stir well before use. Rates and frequencies should be adjusted according to crop monitoring.** Where higher water rates are required for good foliar coverage, do not exceed maximum product rate per hectare. Sensitive foliage or plants should be test sprayed prior to full scale application. Ensure suitable spray conditions (e.g. temperature, humidity, wind-speed), prior to foliar application. Compatibility and/or performance cannot be guaranteed when combined with other products. Jar test for compatibility and spray test on small area before wide-spread use.

## IMPORTANT

- Not compatible with soluble calcium or phosphate based inputs.
- Avoid spraying close to harvest if produce is susceptible to staining.
- **Note:** Product in 1000 L tanks may weigh over 1 tonne. Forklift with 2 tonne lifting capacity is recommended.

## YOUR LOCAL NTS DISTRIBUTOR: