

ROOTFOOD Fe™

LIQUID CHELATED IRON

DESCRIPTION

ROOTFOOD Fe™ contains liquid, chelated iron that is easily absorbed by plant roots, as well as kelp biostimulants and organic acids.

KEY BENEFITS

- Provides chelated iron which is easily absorbed by plant roots
- Kelp biostimulants promote root and shoot growth, as well as improving nutrient availability, soil structure and stimulating soil microbial diversity
- Can be applied on high pH soils where iron is not available
- Blended with added kelp extracts which serves as a food source for beneficial soil microbes
- A source of potassium, which is essential for maximum utilization of iron in plants
- Supplies nitrogen, a key component required for chlorophyll production
- Suitable for use with other fertiliser products containing micronutrients
- Easy to mix and easy to apply

CONTAINS

(N% - P% - K% - S%)
(1 - 0 - 3 - 0)

N - 1.2 % W/V

K - 3.3 % W/V

Fe - 0.80 % W/V



POSITIONING AND FUNCTIONS

Iron is directly involved in plant metabolism and as a result, productivity, and final yield. In most soils, iron is however unavailable to plants, resulting in iron deficiency despite its widespread presence. Iron is predominantly present as Fe⁺³ chelates in soils. Plants are unable to access these iron chelates under a variety of soil and physiological conditions; such as alkaline soils. As a result, plants grown in high-pH soils struggle to produce and stabilize chlorophyll, resulting in leaf yellowing, poor plant development and reduced yields.

ROOTFOOD Fe™ is a source of chelated iron which can easily be absorbed by plant roots to support the function of mitochondria, photosynthesis and the electron transport system. ROOTFOOD Fe™ can also be used to encourage soil acidification, lowering soil pH. ROOTFOOD Fe™ is also a source of potassium and nitrogen. Potassium is essential for plant metabolism as well as maximizing the efficacy of iron utilisation, while nitrogen is a critical component required for chlorophyll production, enzyme synthesis and protein production.

Addition of selected kelp extracts to ROOTFOOD Fe™ promotes root growth, nutrient uptake and assimilation as well as alleviating the effects of physiological and environmental stress conditions. Kelp extracts may also assist with establishing beneficial root zone microorganisms. High levels of dissolved carbon present in kelp extracts can be used by soil microorganisms as a metabolic food source, promoting their growth and diversity. Beneficial soil microbes can also improve physical soil parameters, water infiltration and aeration. They may also encourage plant growth by increasing the availability of soil nutrients.

ROOTFOOD Fe™ is best applied before the summer months, particularly before cell division, cell elongation, and flowering.

REGION

NEW ZEALAND

TYPE

Liquid

APPLICATION

- Overhead irrigation
- Micro irrigation
- Drip irrigation

PACKAGING


20 L, 200 L, 1000 L


CROPS


 Berries

 Citrus

 Grain

 Pome and stone fruit

 Pastures

 Sugarcane

 Subtropical fruit

 Tree nuts

 Vegetables

 Kiwis