

ROOTFERRUM™

LIQUID CHELATED IRON



DESCRIPTION

ROOTFERRUM™ is specially formulated with liquid, chelated iron, which is readily absorbed by plant roots.

KEY BENEFITS

- Provides chelated iron which is easily absorbed by plant roots
- Iron plays an important role in plant metabolic activities such as photosynthesis, respiration, chlorophyll production and maintenance, and nitrogen fixation
- 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 fertilizer products containing micronutrients
- Easy to mix and easy to apply



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.

ROOTFERRUM™ 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. ROOTFERRUM™ is also a source of potassium and nitrogen. Potassium is essential for plant metabolism as well as maximizing the efficacy of iron utilization, while nitrogen is a critical component required for chlorophyll production, enzyme synthesis and protein production.

In addition the added kelp extracts in ROOTFERRUM™ can also provide food for beneficial root zone microorganisms. ROOTFERRUM™ should ideally be applied before the warmer months of the year especially before cell division, cell elongation and flowering.

CONTAINS

- N** Nitrogen = 1.00%
- K₂O** Soluble potash = 4.00%
- Fe** Iron = 0.65%

REGION

USA

TYPE

Liquid

APPLICATION

- Overhead irrigation
- Micro irrigation
- Drip irrigation

NET CONTENTS

2.5 GALLONS (9.5 LITERS)

CROPS

- Berries
- Citrus
- Grain
- Pome and stone fruit
- Subtropical fruit
- Tree Nuts
- Vegetable

Reference: Rout and Sahoo, Reviews in Agricultural Science, 3:1-24, 2015. doi: 10.7831/ras.3.1

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