



# ORGANIC IRON 5%

## GLUCOHEPTONATE CHELATE *With* 2% SULFUR

- **NON-STAINING**
- **FOR FOLIAR AND ROOT APPLICATIONS**

### GUARANTEED ANALYSIS:

Sulfur (S) Combined	2%
Iron (Fe)	5%
5% Chelated Iron (Fe)	

Derived From: Ferric Sulfate, Chelating Agent: Glucoheptonate  
 Weight per gallon . . . . . 10.6 lbs.  
 Weight per liter . . . . . 1.23 kg  
 pH . . . . . 6.5  
 Each gallon contains . . . . . 0.56 lbs Iron  
 Each liter contains . . . . . 0.067 kg Iron

### PRODUCT DESCRIPTION:

Organic Iron 5% is a new ORGANIC CHELATE made from a Glucoheptonate chelating agent. Organic Iron 5% is formulated for year round application on all varieties of turf grasses. It can be used in early spring for soil injection of trees and ornamentals. Organic Iron 5% is excellent as a foliar spray on all plant materials that are showing iron deficiencies. These are naturally fermented sugar acids that form soluble molecules with mineral elements. Organic Iron 5% is a very stable chelate and is a perfect choice for higher pH soils where minor elements often become unavailable to the plant. In this soil condition, Organic Iron 5% will remain available longer than other types of chelates. Plants can become deficient in iron elements because of pH imbalances. Organic Iron 5% can prevent compound deficiencies in turf and many plant materials. University studies indicate that glucoheptonates are ideal for foliar applications and are more efficient than EDTA chelates in high pH soils.

### APPLICATION RECOMMENDATIONS:

**Turf Applications:** Organic Iron 5% can be applied throughout the growing season on warm, transitional and cool season grasses. Organic Iron 5% is an infinitely miscible solution and is compatible with most technical turf products. When mixing with other products, be sure to check their dilution rates. Always use a jar test before mixing.

### TREES & ORNAMENTALS:

**Soil Injection:** This true chelated iron solution contains 5 units of iron needed for healthy plant growth. It is ideal for soil injection and is excellent as a foliar spray material to quickly correct iron deficiencies. For soil injection, inject no lower than 8 to 10 inches below ground level with correctly calibrated fertilizer injector equipment.

### STORAGE & HANDLING:

**Storage:** Organic Iron 5% can be stored in normal warehouse

**CAUTION:** Keep out of reach of children. In case of contact with eyes, flush immediately with copious amounts of water. Contact a physician. Do not take internally.

- **EXCELLENT SOURCE OF SULFUR**
- **IDEAL FOR SOIL WITH pH OVER 7**

Turf Application		
Application	Rate Per 1,000 SF <sup>2</sup> (100m <sup>2</sup> )	Frequency
Tees, Greens, All Types of Warm and Cool Season Grasses	3 - 4 oz (90-120 ml)	Apply every 14-21 days
Fairways	3 - 4 oz (90-120 ml)	Apply every 30 days

### Trees, Shrubs & Ornamentals:

Soil Injection:	Apply 4 oz. per inch of trunk DBH or as needed according to soil and tissue deficiencies. For soil injection, inject no lower than 8 to 10 inches below ground level with correctly calibrated fertilizer injector equipment.
Foliar Spray:	24 oz in 100 gallons of water (4-5 L in 400 L water)
Soil Drench:	Corrective: 3 ounces per inch of trunk DBH in 2 gallons of water. Thoroughly drench soil around area (90 ml per 8 L water) Maintenance: 2 oz per inch of trunk DBH in 2 gallons of water (60 ml per 8 L water)
Trees & Woody Ornamentals	Evergreens, Pin Oaks, White Pines, Camellias, Azaleas and Rhododendrons apply foliarly at rate of 1 gallon in 200 gallons of water
Bedding Plants & Perennials:	Mix Organic Iron at a rate of 3 oz in 4 gallons of water and spray foliage to run off. Apply as needed throughout the growing season.
Hand Watering	Dilute 2 tsp in 1 gallons of water.

areas and are not affected by freezing temperatures. Organic Iron 5% has a pH of 8, is non corrosive and safe to handle.

**Mixing:** High quality buffers allow Organic Iron 5% to be blended with a wide variety of materials WITHOUT detrimental effects. DO NOT mix with highly acidic materials. The following mixing procedures should be used after Organic Iron 5% has been diluted with water. Add products to mix in this order: 1. wettable powders; 2. flowables; 3. water solubles; 4. surfactants; 5. emulsifiable concentrates. Be sure to agitate during each addition. Mix well. Apply all of mixture in one day.

Manufactured By:

