



ORGANIC IRON 5%

GLUCOHEPTONATE CHELATE *With* 2% SULFUR

- **NON-STAINING**
- **FOR FOLIAR AND ROOT APPLICATIONS**
- **EXCELLENT SOURCE OF SULFUR**

F106

GUARANTEED ANALYSIS:

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

Derived From: Ferrous Sulfate, Chelating Agent: Glucoheptonate

PRODUCT SPECIFICATIONS:

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 sugar based 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.

- **IDEAL FOR SOIL WITH pH OVER 7**
- **CHELATING AGENT BASED ON SUGAR-ACID**
- **RAPIDLY CORRECT DEFICIENCIES**

Turf Application		
Application	Rate Per 1,000 ft ² (100 m ²)	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.

STORAGE & HANDLING:

Storage: Organic Iron 5% can be stored in normal warehouse areas and are not affected by freezing temperatures. It 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.

FIRST AID	
IF SWALLOWED:	Call a poison center or doctor if you feel unwell: Rinse mouth.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
IF ON SKIN:	Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
IF INHALED:	Call a poison center or doctor if you feel unwell.
You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101), Keep out of reach of children (P102), Read label before use (P103).	
STORAGE: Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.	
DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.	

The following precautionary statements and pictograms are based on The Globally Harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)



WARNING

H303 May be Harmful if Swallowed
H316 Causes Mild Skin Irritation
H320 Causes Eye Irritation

Condition of Sale and Warranty: Growth Products, Ltd. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products, Ltd. and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD. OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

Manufactured in the USA By: 

