

# IRON 4.5

## HEDTA Chelated Iron Solution

### Grade: 2-0-0 Guaranteed Analysis

Total Nitrogen (N) . . . . .	2.0%
2.0% Other Water Soluble Nitrogen	
Iron (Fe) . . . . .	4.5%
4.5% Chelated Iron (Fe)	

Derived from Iron HEDTA and other water soluble nitrogen.

### CAUTION: KEEP OUT OF THE REACH OF CHILDREN, PETS AND LIVESTOCK

#### Refer To Safety Data Sheet (SDS) For Important, Environmental, Safety, and Health Information

**CAUTION:** This material should only be used as recommended. It may prove harmful when misused.

- Avoid contact with eyes
- Avoid contact with skin
- Avoid breathing fumes or spray mist
- Do not swallow
- Wash thoroughly after handling

**First Aid:** In the event of eye and/or skin contact – flush affected areas with large quantities of plain water. If irritation persists seek medical attention.

**Personal Protective Equipment:** Wear gloves and protective clothing. Wear eye protection (glasses, goggles or face shield).

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

### GENERAL INFORMATION

Iron 4.5 is a HEDTA chelated iron solution designed for use in most soil applied liquid fertilizers and foliar sprays. Iron 4.5 is intended for use and is compatible with ORTHO phosphate fertilizers.

### DIRECTIONS FOR USE

This product is intended for the correction of iron deficiencies. This product should be used on the basis of a soil and/or tissue analysis. For fertilizer application rates suitable for your geographical area or the maximum allowable application rate per acre, consult a certified crop advisor, university crop extension publication, or a trained agronomist. Optimum rate of application will vary among fields, depending on soil pH, organic matter, and crop. Consideration of timing, rate, and placement are important for best results.

### FERTILIZER MIXING INSTRUCTIONS

\*Always perform a compatibility (jar) test with all tank mix ingredients.

For best results mix as follows:

1. Partially fill tank with fertilizer and start agitation
2. Add Iron 4.5 to circulating tank mix
3. Add remaining fertilizer
4. Add other tank mix ingredients (pesticides, nutrients, or additives) after successful compatibility (jar) testing
5. Maintain good agitation throughout the tank mix

### FOLIAR SPRAY MIXING INSTRUCTIONS

\*Always perform a compatibility (jar) test with all tank mix ingredients.

For best results mix as follows

1. Fill spray tank two thirds full allowing 10-20 gallons of spray solution per acre
2. Buffer water to pH 4.5 - 5.5 using a buffering agent
3. Add Iron 4.5 and mix thoroughly
4. If using dry boron or other dry products add these next
5. Add water-based products next
6. Add EC-based products last
7. Maintain good agitation throughout the tank mix

### Broadcast Application:

Severe Deficiency . . . . . 4 qts per acre  
Moderate Deficiency . . . . . 2 qts per acre  
Maintenance . . . . . 1 qts per acre

### Row Application:

Use at the rate of 1 pint to 2 quarts per acre. Apply in a band at planting time with liquid fertilizer, knifed in preplant, or at sidedressing, as a supplement to broadcast applications.

### Foliar Application:

Use at a rate of 1 to 2 quarts per acre.

### STORAGE AND DISPOSAL

Store product in original container. Do not store in excessive cold or heat. Do not reuse container. Do not contaminate water, food or feed by storage or disposal. Keep packaging closed, securely fastened and upright. Triple rinse or equivalent and dispose of container in accordance with local, state and federal regulations.

### ENVIRONMENTAL HAZARD

In the case of a spill, contain spill and maximize recovery.

### Conditions of Sale and Warranty Limitation:

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of CHS Inc. or the seller. All such risks shall be assumed by the buyer. CHS Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. CHS Inc. makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall CHS Inc. or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. CHS Inc. and the seller offer this product, and the Buyer and the User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CHS Inc.

**NET CONTENTS: 250 gallons (946 L)**  
**NET WEIGHT: 2850.0 lbs**  
**11.4 lbs per gallon at 68° F**

