



# EDTA 5% IRON

## 5-0-0

### FULLY CHELATED MICRONUTRIENT

FOR THE PREVENTION AND CORRECTION OF IRON DEFICIENCIES IN FRUIT, NUT, VEGETABLE, AND FIELD CROPS

#### GUARANTEED ANALYSIS

Total Nitrogen (N).....5.00%  
 5.00% Ammoniacal Nitrogen  
 Iron (Fe).....5.00%  
 5.00% Chelated Iron

DERIVED FROM: Ammonium Hydroxide and Iron EDTA.

KEEP OUT OF REACH OF CHILDREN



## DANGER

Causes severe skin burns and serious eye damage.

### PRECAUTIONARY STATEMENTS

Do not breathe mist or vapor. Wash thoroughly after handling.

Wear rubber or chemical-resistant gloves, protective clothing and face protection.

#### FIRST AID

In all cases, call a poison control center or doctor for further treatment advice. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. **IF ON SKIN (OR HAIR):** Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **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 control center or doctor.

For chemical spills, leaks, fire or exposure, call CHEMTREC: (800) 424-9300.

#### STORAGE AND DISPOSAL

Store locked up and in a safe manner. Store in original container only and keep tightly sealed when not in use. Store product and dispose of unused product and empty containers in accordance with federal, state and local regulations.

#### GENERAL INFORMATION

RNA EDTA 5% IRON is designed for application to the soil or directly to the plant. RNA EDTA 5% IRON is highly effective under adverse soil conditions unlike inorganic iron compounds which are tied-up and unavailable to plants. These adverse soil conditions include: high pH (alkaline soil), high salinity, high carbonate levels, high manganese, copper or aluminum in plant tissues, water-logged soils, and clay soils (adsorption). RNA EDTA products are water soluble and move well in the soil solution. RNA EDTA products may be applied separately or in combination with fertilizers or pesticides.

#### Function of Iron in the Plant

Iron is required by the plant for chlorophyll synthesis, plant metabolism, oxidation reduction in respiration, and is a constituent of enzymes and certain proteins. Typical plant requirements for plants are 0.40-0.60 pounds per acre depending upon the crop and yield. Application of RNA EDTA 5% IRON is preferred prior to bloom on fruit and nut crops, and early in a plant's development for row, field, vegetable and ornamental crops. Follow-up applications of RNA EDTA 5% IRON should be made during the growing season, especially on crops susceptible to iron deficiencies such as: beans, grapes, walnuts, pears, strawberries, citrus, and ornamentals. Once a plant has developed a severe iron deficiency, unlike other micronutrient and secondary nutrient deficiencies, the iron deficiency may be difficult to correct.

#### DIRECTIONS FOR USE

RNA EDTA 5% IRON is recommended for application to the following crops and most other vegetable, field, row, nut, and fruit crops:

Alfalfa	Carrots	Grasses	Peaches	Safflower
Almonds	Celery	Hops	Peanuts	Soybeans
Apples	Cherries	Lettuce	Pears	Spinach
Apricots	Citrus	Melons	Peas	Strawberries
Artichokes	Cole Crops	Milo	Pecans	Sugar Beets
Asparagus	Corn	Mint	Peppers	Sugar Cane
Avocado	Cotton	Nectarines	Pineapples	Sweet Corn
Barley	Cranberries	Nursery Stock	Pistachios	Tomatoes
Beans (all)	Cucumbers	Oats	Plums	Turgrass
Boysenberries	Cucurbits	Olives	Pomegranates	Walnuts
Brassicac	Figs	Onions	Potatoes	Watermelons
Broccoli	Garlic	Ornamentals	Prunes	Wheat
Brussels Sprouts	Grapes	Pasture/Range Grass	Rice	

#### GENERAL APPLICATION RECOMMENDATIONS FOR TREE FRUIT AND NUT CROPS

**PRE-BLOOM APPLICATIONS:** Ground: RNA EDTA 5% IRON may be made with oil dormant/delayed dormant or with existing fungicide pre-bloom up to 1½ quarts per 100 gallons of water. Air: Aerial application of RNA EDTA 5% IRON may be made with oil dormant/delayed dormant or with existing fungicide pre-bloom up to 1½ quarts per acre with sufficient water for thorough coverage. **Caution:** Combined application rates of EDTA chelates may not exceed 1½ quarts per 100 gallons of water by ground application or 1½ quarts per acre with sufficient water for thorough coverage by air. **POST-BLOOM COVER SPRAYS:** Ground: Apply RNA EDTA 5% IRON up to 1 quart per 100 gallons of water with existing spray program. Air: Apply up to 1 quart per acre with sufficient water for thorough coverage. Repeat applications as required by air or ground with existing spray program. **Caution:** Combined application rates of EDTA chelates may not exceed 1½ quarts per 100 gallons of water by ground and 1 quart per acre with sufficient water for thorough coverage by air. **POST-HARVEST AND BEFORE LEAF DROP:** Ground: Apply up to 2 quarts of RNA EDTA 5% IRON per 100 gallons of water up to 6 quarts per acre. Air: Apply up to 1 gallon per acre with sufficient water for thorough coverage. Correction may not be evident until next growing season. **Caution:** Combined application rates of EDTA chelates may not exceed 1½ gallons per acre with sufficient water for thorough coverage by air or ground application. **SOIL APPLICATIONS:** Foliar applications of EDTA products for deciduous and evergreen trees are preferred over soil applications. Apply 1-3 gallons per acre with pesticides, fertilizers, or irrigation water (emitters, drip, or overhead) during active growing season. Correction may not be evident for several weeks.

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

#### SPECIFIC RECOMMENDATIONS FOR TREE FRUIT AND NUT CROPS

**ALMONDS: Pre-Bloom Applications:** Apply up to 1-1½ quarts per 100 gallons by ground application or 1½ quarts per acre by air with oil delayed dormant/dormant or up to pink bud with existing spray program. For post-bloom cover sprays, post-harvest recommendations and soil applications, please consult general recommendations in above text.

**APPLES AND PEARS: Pre-Bloom Applications:** Apply up to 1-1½ quarts per 100 gallons of water by ground application or up to 1½ quarts per acre by air with oil delayed dormant/dormant or up to green tip with existing spray program. For post-bloom cover sprays, post-harvest recommendations and soil applications, please consult general recommendations.

**APRICOTS, PEACHES AND NECTARINES: Pre-Bloom Applications:** Apply up to 100 gallons of water by ground application or up to 1½ quarts per acre with sufficient water for thorough coverage by air with oil dormant/delayed dormant or up to pink bud or early red bud with existing spray program. For post-bloom cover sprays, post-harvest recommendations and soil applications, please consult general recommendations.

**PLUMS: Pre-Bloom Applications:** Apply up to 1 quart per 100 gallons of water by ground application or up to 1½ quarts per acre with sufficient water for thorough coverage by air with oil dormant/delayed dormant up to green cluster with existing fungicide program. **Post-Bloom Cover Sprays/Post-Harvest Cover Sprays:** RNA EDTA 5% IRON is not recommended to be applied to plums as a cover spray post-bloom or post-harvest. **Soil Applications:** Please consult general recommendations. Before application please consult with local pest control advisor for varieties extremely sensitive to phytotoxicity from foliar applications of combined products.

**CITRUS: Pre-Bloom Applications:** Apply up to 1-1½ quarts per 100 gallons of water by ground or up to 1½ quarts per acre with sufficient water for thorough coverage by air prior to bloom with existing spray program. For post-bloom recommendations and soil applications, please refer to general recommendations.

**GRAPES: Pre-Bloom Applications:** Apply up to 1½ quarts per 100 gallons of water by ground or up to 1½ quarts per acre with sufficient water for thorough coverage with existing spray program from bud swell to 5% bloom. For cover sprays and soil recommendations please consult general recommendations. **Table Grapes: RNA EDTA 5% IRON** is not recommended to be applied as a post-bloom application to table grapes.

#### GENERAL RECOMMENDATIONS FOR ROW, FIELD AND VEGETABLE CROPS

Application of RNA EDTA 5% IRON is preferred early in a plant's development. Those crops that are susceptible to iron deficiency may require a continuous supply of iron applied at low rates either foliar or soil applied. **Soil:** Apply with pesticide, fertilizer, or irrigation water (drip, overhead, or emitter) at 1-6 quarts per acre. **RNA EDTA 5% IRON** may be applied preplant (as near as possible to planting), during planting (close to the seed), or post-emergence as broadcast, layby, shanked, or banded application. **Foliar:** Apply up to 1-2 quarts per acre with existing spray program. Split applications are preferred over a single application. For RNA EDTA 5% IRON, foliar applications are preferred over soil applications if the soil pH is over 8.

#### SPECIFIC RECOMMENDATIONS FOR ROW, FIELD AND VEGETABLE CROPS

**BEANS: Foliar:** Apply up to 2 quarts per acre with sufficient water for thorough coverage before the fourth trifoliolate and/or before first bloom on determinate or indeterminate beans. **Soil:** Please refer to general recommendations.

**SORGHUM AND MILO: Foliar:** Apply up to 2 quarts per acre early after emergence and/or prior to bloom with existing spray program. **Soil:** Please consult general recommendations.

**CEREAL GRAINS: Foliar:** Apply up to 1 quart per acre with sufficient water for thorough coverage with the first pesticide spray program and/or prior to pollination. **Soil:** Please consult general recommendations.

**STRAWBERRIES:** Apply up to 1 quart per acre with sufficient water for thorough coverage with existing spray program. Preferred applications are shortly after emergence or transplant and prior to each major bloom. **Soil:** Please consult general recommendations.

**GREENHOUSE OR FIELD GROWN ORNAMENTALS AND FLOWERS: DO NOT APPLY TO THE FOLIAGE.** **Soil:** Apply to the soil as often as required as directed under general recommendations.

**TURFGRASS: Foliar:** Apply on a regular basis with existing spray program up to 2 quarts per acre. **Soil:** Please consult general recommendations.

**VEGETABLE CROPS: Foliar:** Apply up to 1 quart per acre with sufficient water for thorough coverage with existing spray program. For quick greening prior to harvest apply 1 quart per acre with urea. **Soil:** Apply as often as required as directed under general recommendations.

#### COMPATIBILITY

**FERTILIZER COMPATIBILITY:** RNA EDTA 5% IRON is compatible with most slightly acidic to moderately alkaline fertilizers (pH range of 3.0-11.0). RNA EDTA 5% IRON is not compatible with acid-based fertilizers such as combinations of phosphoric, sulfuric, and urea-phosphoric acid solutions. **PESTICIDE COMPATIBILITY:** RNA EDTA 5% IRON is compatible with most pesticides including: insecticides, herbicides, fungicides, acaricides, and other foliar nutrients. RNA EDTA 5% IRON may be incorporated into an existing spray program. Please add RNA EDTA 5% IRON before adding the pesticide to the spray solution. Always jar test new combinations for compatibility prior to field mixing.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of the product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS," AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Buyer and User accept all risks arising from any use of this product, including without limitation uses contrary to label instructions, under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.

To the extent permitted by law, neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement. K-051917

Manufactured by: RNA

22312 Railroad Avenue, San Joaquin, CA 93660 • (559) 693-4520

DO NOT STORE BELOW 25 DEGREES FAHRENHEIT

NET CONTENTS: [ ] GALLONS/Liters • WEIGHT PER GALLON: 9.9 POUNDS at 68°F