



# EDTA 9% ZINC

## 7-0-0

## FULLY CHELATED MICRONUTRIENT SOLUTION

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

### GUARANTEED ANALYSIS

Total Nitrogen (N) ..... 7.00%  
7.00% Ammoniacal Nitrogen  
Zinc (Zn) ..... 9.00%  
9.00% Chelated Zinc

DERIVED FROM: Ammonium Hydroxide and Zinc EDTA.

## KEEP OUT OF REACH OF CHILDREN PRECAUTION

Do not ingest. Avoid contact with skin, eyes, or clothing. Avoid breathing dust, vapor or mist.

### FIRST AID

In all cases, call a poison control center or doctor for further treatment advice.

**IF SWALLOWED**, call a poison control center or doctor immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. **IF ON SKIN**, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **IF INHALED**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. **IF IN EYES**, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

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

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

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

### GENERAL INFORMATION

**RNA EDTA 9% ZINC** is designed for application to the soil or directly to the plant. **RNA EDTA 9% ZINC** is highly effective under adverse soil conditions unlike inorganic zinc compounds that are tied-up and unavailable to the plant. These adverse conditions include: high phosphate soil levels, high pH (alkaline), high salinity, high carbonate levels, 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 Zinc in the Plant

Zinc is required by the plant for the growth hormone, seed and grain formation, influences protein synthesis, rate of maturing of seed and stalks, height and length of plants. The typical amount of zinc required by a plant for root, stem, fruit and seed, new wood, and leaves per year is 0.3-0.5 pounds per acre depending upon crop and yield. Timing and rates of application are preferred to correspond with high use periods of zinc by the plant. High use periods are early after emergence and prior to pollination.

#### DIRECTIONS FOR USE

**RNA EDTA 9% ZINC** is recommended for application to the following crops and most other vegetable, field, row, nut and fruit crops.

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

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

Unless stated differently in specific crop recommendations, application of **RNA EDTA 9% ZINC** is preferred as follows: **PRE-BLOOM APPLICATIONS:** Ground: **RNA EDTA 9% ZINC** may be applied with oil dormant/delayed dormant or with existing fungicide program pre-bloom up to 1½ quarts per 100 gallons of water. **Air:** Aerial application of **RNA EDTA 9% ZINC** may be made with oil dormant/delayed dormant or with existing fungicide program 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 and 1½ quarts per acre with sufficient water for thorough coverage by air. **POST-BLOOM COVER SPRAY APPLICATIONS:** Ground: Apply **RNA EDTA 9% ZINC** up to 1 quart per 100 gallons of water with existing spray program. **Air:** Apply 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 9% ZINC** per 100 gallons of water up to 6 quarts per acre. **Air:** Apply up to 1 quart 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 to 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.

#### 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 dormant/delayed dormant 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 dormant/delayed dormant 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 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 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.

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

**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 and Post-Bloom Sprays:** **RNA EDTA 9% ZINC** is not recommended as a cover spray to plums 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 spray and soil recommendations please consult general recommendations. **Table Grapes:** Do not apply **RNA EDTA 9% ZINC** as a post-bloom cover spray.

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

Unless stated differently in specific recommendations, application of **RNA EDTA 9% ZINC** is preferred as follows: Application of **RNA EDTA 9% ZINC** is preferred shortly before or after emergence and/or prior to bloom or pollination. Split applications are preferred over a single application. **Soil:** Apply with pesticide, fertilizer, or irrigation water (drip, overhead, or emitter) at 1-6 quarts per acre. **RNA EDTA 9% ZINC** 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 quart per acre per application with existing spray program soon after emergence and/or prior to bloom or pollination. **RNA EDTA 9% ZINC** is equally effective as a foliar or soil application.

#### 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 trifoliate and/or before first bloom on determinate or indeterminate beans. **Soil:** Please refer to general recommendations.

**SORGHUM, MILO, SWEET AND FIELD CORN:** 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:** Foliar: 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. **Soil:** Please consult general recommendations.

**POTATOES:** Foliar: Apply up to 4 quarts per acre with sufficient water for thorough coverage. Preferred applications are shortly after emergence and/or up to 100% bloom with current crop protection program or overhead irrigation water. Repeat applications post-bloom as required. **Soil:** Please consult general recommendations.

**COTTON:** Foliar: Apply up to 2 quarts per acre with sufficient water for thorough coverage with crop protection program. Preferred applications are early after emergence and/or prior to first and/or second bloom with current crop protection program. **Soil:** Please consult general recommendations.

**RICE:** Foliar: Apply up to 2 quarts per acre with sufficient water for thorough coverage. Apply post-emergence on drained field or after emergence out of the water with current crop protection program. Repeat as required. **Soil:** Apply broadcast, banded, or shanked with fertilizer or preplant fertilizer at 1-3 gallons per acre.

**TOMATOES:** Foliar: Apply up to 2 quarts per acre with sufficient water for thorough coverage. Preferred applications are shortly after emergence or transplant and/or prior to first and second major blooms with current crop protection treatment. **Soil:** Consult general recommendations for soil application.

### COMPATIBILITY

**FERTILIZER COMPATIBILITY:** **RNA EDTA 9% ZINC** is compatible with most slightly acidic to moderately alkaline fertilizers (pH range of 3.0-11.0). **RNA EDTA 9% ZINC** is not compatible with acid-based fertilizers such as combinations of phosphoric, sulfuric, and urea-phosphoric acid solutions.

**PESTICIDE COMPATIBILITY:** **RNA EDTA 9% ZINC** is compatible with most pesticides including: insecticides, herbicides, fungicides, acaricides, and other foliar nutrients. **RNA EDTA 9% ZINC** may be incorporated into an existing spray program. Please add **RNA EDTA 9% ZINC** 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-093013

Manufactured by: **RNA** • 7 E. Washington Ave., Yakima, WA 98903

DO NOT STORE BELOW 25 DEGREES FAHRENHEIT

NET CONTENTS: GALLONS/Liters • WEIGHT PER GALLON: 10.9 POUNDS at 68°F