



# 4.5 PLUS 4.5 ZINC 7-0-0

For the prevention and correction of zinc deficiencies in fruit, nut and field crops.  
**FOR SOIL APPLICATION ONLY**

## GUARANTEED ANALYSIS

Total Nitrogen (N) ..... 7.00%  
7.00% Ammoniacal Nitrogen  
Zinc (Zn) ..... 9.00%  
4.50% Chelated Zinc

DERIVED FROM: Zinc EDTA and Tetra Ammonium Zinc.

**DO NOT STORE BELOW -15° FAHRENHEIT**

## 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 4.5 PLUS 4.5 ZINC is designed for application to the soil. It is highly effective under adverse soil conditions, unlike inorganic zinc compounds that are tied-up and unavailable to the plant. These adverse soil conditions can include high phosphate levels, high pH (alkaline), high salinity, high carbonate levels, and clay soils (absorption). 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 to 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.

RNA 4.5 PLUS 4.5 ZINC should be used as part of a comprehensive Total Nutrition System™ for optimizing plant growth, development, yield and quality.

### DIRECTIONS FOR USE

RNA 4.5 PLUS 4.5 ZINC may be applied as a foliar spray by air, ground concentrate or dilute. Maintain agitation to provide uniform distribution within the spray tank. Use of a high quality CPDA approved spreader, such as R-11®, at recommended rates to improve spray cover is usually advised. Do not apply when plants are under excessive heat or moisture stress.

RNA 4.5 PLUS 4.5 ZINC is recommended for soil application only.

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

**TREE FRUIT AND NUT CROPS:** Apply 1 to 3 gallons of RNA 4.5 PLUS 4.5 ZINC per acre with pesticide, fertilizer, or irrigation water (emitters, drip or overhead) during active growing season. Correction may not be evident for several weeks. RNA 4.5 PLUS 4.5 ZINC is not intended to be applied to foliage as severe damage to the plant may result.

**ROW, FIELD AND VEGETABLE CROPS:** Apply 1 to 8 quarts of RNA 4.5 PLUS 4.5 ZINC per acre with pesticide, fertilizer, or irrigation water (emitters, drip or overhead). Application of RNA 4.5 PLUS 4.5 ZINC is preferred shortly before or after emergence and/or prior to bloom or pollination. Split applications are preferred over a single application. RNA 4.5 PLUS 4.5 ZINC may be applied preplant (as near as possible to planting), during planting (close to the seed), or post-emergence as a broadcast, layby, shanked, or banded application.

### COMPATIBILITY

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-081712

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

**NET CONTENTS: 2.5 GALLONS (9.46 Liters)**  
**WEIGHT PER GALLON: 9.78 POUNDS at 68°F • pH 11**