

# ULTRA-CHE<sup>®</sup> ZINC 9% EDTA

A fully chelated micronutrient to prevent and correct zinc deficiencies in agricultural crops, turf, and ornamentals

**7-0-0**

<u>Guaranteed Analysis</u>	
Total Nitrogen (N)	7.0%
4.0% Ammoniacal Nitrogen	
3.0% Other Water Soluble Nitrogen	
Zinc (Zn)	9.0%
9.0% Chelated Zinc (Zn)	

Derived from Zinc diammonium ethylenediaminetetracetate (EDTA)

**KEEP OUT OF REACH OF CHILDREN**



## WARNING

May cause respiratory irritation.

### PRECAUTIONARY STATEMENTS

Avoid breathing mist, spray or fumes. Use only outdoors in a well-ventilated area. Store in a well-ventilated and secured place. Keep container tightly closed. Dispose of contents/container in accordance with Federal, state and local regulations.

### FIRST AID

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor for treatment advice if you feel unwell.

In case of medical emergency, call toll free 1-877-424-7452.

STORE ABOVE 32°F

### DIRECTIONS FOR USE:

This product is recommended to correct zinc 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 or a trained agronomist. For specific crop recommendations in your area, consult your state's recommendations. Optimum rate of application will vary among fields, depending on soil pH, organic matter, and crop.

### Mixing Instructions:

1. Put 1/3 water or fertilizer in tank.
2. Add other pesticides.\*
3. Fill tank with balance of water or fertilizer.
4. Add **ULTRA-CHE Zinc 9% EDTA**.

F1683

Distributed and Guaranteed By:  
Winfield Solutions LLC  
P.O. Box 64589  
St. Paul, Minnesota 55164-0589

2/0420/0  
Net Wt: 27.5 lbs. (12.47 kg.)  
Weight Per Gallon: 11.0 lbs (4.99 kg.)  
Net Contents: 2.5 Gallons (9.46 L)

**WINFIELD<sup>®</sup>**  
**UNITED**

5. Agitate adequately to mix.

**\*CAUTION:** Check compatibility with orthophosphate fertilizers and other chemicals prior to mixing.

#### **PRECAUTIONS**

Avoid application under extreme climate conditions such as rapid drying, extremely slow drying, frost, rains or when weather fronts or rain are anticipated. There is a risk of leaf scorch following application during slow drying conditions (high spray volume, cloudy weather, etc.) Use eye protection and protective clothing when handling undiluted product, to minimize exposure. Clean all equipment before and after use.

**ULTRA-CHE Zinc 9% EDTA** supplements soil fertilization when nutritional needs are highest: at flowering, fruiting or under stress. It is recommended as a supplement to conventional fertility programs.

Apply 1–6 quarts of **ULTRA-CHE Zinc 9% EDTA** per acre.

**Soil Application:** **ULTRA-CHE Zinc 9% EDTA** is designed and is compatible for use in all liquid suspension fertilizers. Use only at rates recommended from a soil or plant analysis where required by law or regulation. If an analysis is not available, consult your agronomist.

**Foliar Application:** Zinc deficiencies are best corrected when treated before visual symptoms appear. Use a minimum of 20 gallons of water per acre to apply **ULTRA-CHE Zinc 9% EDTA** to foliage with ground spray equipment. If label instructions for foliar application are not followed, phytotoxicity may occur. An ammonium sulfate source is recommended when tank mixing with glyphosate and some other herbicides.

**For Use In Wisconsin:** Use 0.5-1 lb/acre of zinc chelate in a band or 1-2 lbs/acre of zinc chelate in a broadcast application. Deficiencies may also be corrected by using 0.15 lbs/acre of zinc chelate as a foliar application.

#### **VEGETABLE CROPS**

**ALL VEGETABLES (such as Artichokes, Beans, Blackeyed Peas, Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Cucumbers, Eggplant, Lettuce, Melons, Mustard, Onions, Parsnips, Peas, Peppers, Radishes, Spinach, Squash, Tomatoes and Others):** Soil: Band or side-dress 1 to 8 qts. per acre at or near planting time. Rate will depend on soil conditions and extent of zinc deficiency. Foliar: Do not make foliar applications to above crops.

#### **FIELD CROPS**

**BEANS (including Soybeans and Dry Edible Beans):** Soil: Apply 1 to 8 qts. per acre as a soil injection or band application just prior to, or at planting, or as a side-dressing within a few weeks after planting. Foliar: Apply 1 qt. per acre as a cover spray between the 2nd and 4th trifoliolate stage. Repeat application at regular intervals throughout the growing season where deficiencies are known to occur. Application of this product directly on the seed has shown to sometimes impact germination.

**CORN:** Soil: Band, in-furrow, side-dress or broadcast 1 to 8 qts. per acre pre-plant, at planting or within 2 weeks after emergence, or when deficiency symptoms first appear. Foliar: Apply 1 qt. per acre in sufficient water for thorough coverage. Several applications are preferred over a single application.

**COTTON:** Soil: Apply 1 to 8 qts. per acre as a soil injection just prior to planting as a side-dress within a few weeks after planting. Foliar: Apply 1 qt. per acre in sufficient water to assure thorough coverage. Apply when cotton is 6 to 12 inches and repeat application throughout the growing season. **CAUTION:** Foliar applications may injure young cotton plants under 6 inches high, especially if applied during hot, dry daytime conditions.

**POTATOES:** Soil: Apply 1 to 8 qts. per acre as a band, or broadcast application at or near planting, or as a side-dress application within 2 weeks of emergence, or as soon as deficiency symptoms first appear. Foliar: Apply 1 qt. per acre in sufficient water for thorough coverage. **RICE:** Soil: Apply 1 to 8 qts. per acre as pre-plant, broadcast based application based on soil test. Foliar: Apply 1 qt. per acre in sufficient water to assure thorough coverage post-emergence to rice seedlings.

**OTHER FIELD CROPS (such as Alfalfa, Field Peas, Mint, Peanuts, Small Grain, Sugar Beets, Sugar Cane):** Soil: Apply 1 to 8 qts. per acre at, or near planting, or as a side-dress application within a few weeks of emergence, or as soon as deficiency symptoms first appear. Foliar: Apply 1 qt. per acre in sufficient water for thorough coverage. Repeated applications are preferred to single applications, especially if deficiencies are known to occur.

#### **FRUIT AND NUT CROPS**

**ALMONDS:** Soil: In early spring, apply 1/2 qt. to 2 qts. per tree.

**APPLES AND PEARS:** Soil: In early spring, apply 1/2 to 3 qts. per tree depending on tree size and deficiency.

**APRICOTS, NECTARINES, PEACHES, PLUMS AND PRUNES:** Soil: In early spring, apply 1/2 to 3 qts. per tree depending on tree size and deficiency.

**CITRUS:** Soil: In early spring, apply 1 to 2 qts. per tree.

**GRAPES:** Soil: In early spring, apply 1 to 5 qts. per acre depending on vine size and deficiency.

**PECANS:** Soil: In early spring, apply 1 to 4 qts. per tree depending on tree size and deficiency.

**STRAWBERRIES:** Soil: Apply 1 to 4 qts. per acre at planting or when new leaf growth appears, or when deficiency symptoms first appear.

**WALNUTS:** Soil: In early spring, apply 1 to 4 qts. per tree depending on tree size and extent of chlorosis.

**Other Nut and Fruit Crops:** In early spring, apply 1/2 to 2 qts. per tree, depending on tree size and deficiency. Do not make foliar applications to any fruit or nut crops during bloom or when fruit is present.

#### **OTHER CROPS AND USES**

**ORNAMENTALS, CONTAINER GROWN TREES AND SHRUBS AND FIELD GROWN NURSERY STOCK:** Soil: Apply 1 to 4 oz. per 100 sq. ft. Repeat application at fertilization or regular intervals.

**GREENHOUSE-GROWN CHRYSANTHEMUMS, ROSES, CARNATIONS, and POTTED FLORAL PLANTS:** Soil Only: Apply 1 to 3 oz. per 100 sq. ft. at regular intervals with fertilizer or drip irrigation.

**TURF GRASSES:** Soil Only: For turf establishment, apply 1 to 4 quarts per acre and incorporate prior to seeding or sodding.

**CROPS NOT LISTED:** Apply according to directions of your regional Winfield Plant Nutrition Specialist or local agricultural professional to crops where the addition of zinc would be beneficial.

**For Turfgrass Applications:** DO NOT APPLY NEAR WATER, STORM DRAINS, OR DRAINAGE DITCHES. DO NOT APPLY IF HEAVY RAIN IS EXPECTED. APPLY THIS PRODUCT ONLY TO YOUR LAWN/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

#### **APPLICATION WITH IRRIGATION WATER**

**PIVOT, SPRINKLER, OVERHEAD AND SOLID SET IRRIGATION:** Apply within 2 weeks of planting and before flowering using 1 to 4 qts. per acre, or the dosage rates and timing recommended by your State Agricultural Experiment Station, Extension Specialists or Winfield Regional Plant Nutrition Specialist for crops shown above. This product may be mixed with most liquid fertilizers or pesticides before injection. Use a back-flow check valve to prevent material from back siphoning into water system.

One gallon of **ULTRA-CHE Zinc 9% EDTA** contains 0.99 lbs. of actual zinc.

#### **STORAGE AND DISPOSAL**

Store in a well-ventilated and secured place. Keep container tightly closed. Do not store below 32°F. If frozen, warm to room temperature and mix vigorously. Store out of direct sunlight and store in a cool location. Store this product in stainless steel, fiberglass, polyethylene, or certain other plastic materials. Copper or any of its alloys (brass or bronze) should never be used in any chelate handling system. Aluminum tanks are not recommended for storage of this product. Check with equipment manufacturer for compatibility of components prior to use with this product. **Note:** Do not mix or contaminate any EDTA type chelates with strong acid materials. Dispose of empty containers by triple rinsing and discard empty containers in a landfill in accordance with current local, state, and federal regulations.

FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300

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

#### **WARRANTY DISCLAIMER**

Winfield Solutions, LLC warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

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