

# Dyna-Gro™

## PRODUCT INFORMATION

**Dyna-Gro MZN** is a concentrated aqueous solution of Manganese and Zinc that combines high solubility with convenience of both aerial and ground application. It is designed for addition to soluble X-O-X grade fertilizers and will provide one of the highest solubilities available. **Dyna-Gro MZN** is easily assimilated by both leaves and woody tissue, making it very effective as a foliar spray to prevent and correct deficiencies on fruit and most other crops. **Dyna-Gro MZN** when added to spray tank before other materials at rates of 1 gallon per 500 gallons of water will lower pH of 8.0 to approximately 6.5 pH. It is important that a non-ionic surfactant be added to aid in surface coverage which will help leaf absorption.

## CROP RECOMMENDATIONS

*Fruit and Nuts:* Citrus, avocados, mangos, pecans;

**MATURE TREES:** Apply 2-3 quarts per acre per application. Repeat application if desired at 1-2 quarts per acre in summer and fall applications. **YOUNG TREES:** Apply 1-2 quarts per 100 gallons of water and wet to run off. Applications every 6-8 weeks throughout growing season have given excellent results.

*Vegetable Crops:* Apply 1-2 pints per acre per application. *Field Crops:* (Corn, peanuts, small grains, soybeans): Use 1/2 to 1 pint per acre per application.

**DO NOT USE ON STONE FRUITS.**

## Liquid Manganese and Zinc Nutritional Source for Crops

**7-0-0**  
Guaranteed Analysis

Total Nitrogen .....	7.00%
7.00% Nitrate Nitrogen (N)	
Manganese (Mn) .....	10.00%
10.00% Water soluble Manganese (Mn)	
Zinc (Zn) .....	5.50%
5.50% Soluble Zinc (Zn)	

*Derived from: Manganese Nitrate and Zinc Nitrate*

## DIRECTIONS FOR USE

**Ground Foliar – Dilute:** Use a minimum of 100 gallons of water per acre.

**Concentrate:** Use a minimum of 20 gallons of water per acre. **Aerial Application:** Do Not use without the addition of a non-ionic surfactant, in at least 5 gallons of water per acre. Apply with aircraft equipped with Beco-Mist type nozzles only.

(1) When using less than 50 gallons of water per acre, a non-ionic surfactant at the recommended rate per 100 gallons of water will aid surface coverage and leaf absorption. **NOTE:** When using citrus spray oils of the 435 class, surfactants are not needed.

(2) Do not use with liquid foliar or ground fertilizer containing phosphates.

(3) A jar test to check the compatibilities of new or unfamiliar chemical combinations should be performed prior to mixing and application.

(4) A surfactant is necessary when using on young trees.

**DANGER**



**May intensify fire; oxidize.**

**Causes severe skin burns and eye damage**

**May be corrosive to metals**

**May cause damage to central nervous system and lungs through prolonged or repeat exposure**

**Prevention:** Keep away from heat. Keep/Store away from clothing and combustible materials. Take any precaution to avoid mixing with combustibles. Wear protective gloves, chemical splash proof goggles and face protection. Do not breathe vapors, mists or sprays. Use only in a well-ventilated area. Wash thoroughly after use. Do not eat/drink/smoke when using this product. Keep in original container.

**Response: If swallowed:** Rinse mouth, do NOT induce vomiting. Immediately call doctor.

**If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call doctor.

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Immediately call doctor.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call doctor.

Get medical advice/attention if you feel unwell.

Absorb spillage to prevent material damage.

# MZN

**Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in corrosive resistant container (polyethylene, polypropylene or fiberglass, see Section 7 of SDS).

**Disposal:** Dispose of contents/containers in accordance with local/regional/national regulations (See Section 13 of SDS). Containers may be triple rinsed and offered for recycling.

## CONDITIONS OF SALE

Keep away from children. Do not drink. Do not contaminate feed, seed or water supplies. Do not allow to dry out.

Seller warrants that products will be labeled as required under state and federal law and that they conform to the label description. Any nonconformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. **THE SELLER'S LIABILITY ON THIS WARRANTY IS LIMITED IN AMOUNT TO THE PURCHASE PRICE OF THE PRODUCT. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THIS STATEMENT.**

Manufactured By:

**CHEMICAL DYNAMICS, INC.**

*Our Business Is To Help You Grow*

4206 Business Lane • Plant City, FL 33566

(813) 752-4950

Weight per gallon: 12.8 lbs. • Store above 32°F F910

Net Weight:

Net Contents:

Lot Number:

**Specimen Label**