

# Dyna-Gro™

# Manganese

## INFORMATION

**Dyna-Gro Manganese** is a concentrated aqueous solution of Manganese that has twice the solubility on a metal basis as Manganese Sulfate. It is specifically designed for addition to fluid fertilizer without reduction in nitrogen content and will provide Manganese in an extremely soluble form that is readily available. It is effective as a foliar spray to correct and prevent Manganese deficiency since this form of Manganese is easily assimilated by plants. Wherever Manganese Sulfate has been used, **Dyna-Gro Manganese** can be substituted at the same concentration with little or no change in the final mix behavior. It is important that a non-ionic surfactant be added to aid in surface coverage which will help in leaf absorption.

## CROP RECOMMENDATIONS

**Fruit and Nut Crops:** Apply 1-2 quarts per acre per application in enough water to allow for thorough coverage.

**Vegetable Crops:** Apply 1-1½ pints per acre per application in enough water to allow for thorough coverage. At least 3 applications are suggested with additional applications being necessary for more severe deficiencies. More frequent applications at the lower rate will give better results.

**Field Crops:** Corn, cotton, peanuts, small grains, soybeans: Apply 1 to 2 pints per acre per application enough water to allow for thorough coverage. For maximum effectiveness on soybeans use lower rate in 2 applications applied around the 5th and 9th week after emergence.

## DIRECTIONS FOR USE

**Ground Foliar** – Apply the product in adequate water to ensure proper mixing and coverage. The addition of a non-ionic surfactant will improve coverage.

**Aerial Application:** **Do Not** use without the addition of a non-ionic surfactant.

## 7-0-0 MANGANESE

### Liquid Manganese Nutritional Source for Crops GUARANTEED ANALYSIS

Total Nitrogen (N) .....	7.00%
7.0% Nitrate Nitrogen (N)	
Manganese (Mn) .....	15.00%
15.00% Water Soluble Manganese (Mn)	

*Derived from: Manganese nitrate*

## PRECAUTIONS

- (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 with 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.

Manufactured By:  
**CHEMICAL DYNAMICS, INC.**

*Our Business Is To Help You Grow*

4206 Business Lane • Plant City, FL 33566 • (813) 752-4950

Store Above 20°F F910

Weight per gallon: 12.85 lbs. 1.9 lbs. Mn/gallon

**DANGER**



**May intensify fire; oxidizer**  
**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 outdoors or in a well-ventilated area. Wash thoroughly after use.

**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.

**Storage:** Store locked up. Store in corrosive resistant container (polyethylene, polypropylene or fiberglass. See Section 7 of SDS).

*Continued...*

**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.

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

## CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance 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 UNDER 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.

Net Weight:

Net Contents:

**Specimen Label**

Lot Number: