

Micro-Manganese 4% Chelate™

6-0-0

GUARANTEED ANALYSIS

Total Nitrogen (N).....	6.0%
6% Ammoniacal Nitrogen	
Sulfur (S).....	2.5%
Manganese (Mn).....	4.0%
4% Chelated Manganese	

Derived from aqua ammonia and manganese sulfate chelated with EDTA and citric acid.

DANGER

**Causes skin irritation.
Causes serious eye damage.
May cause damage to organs
through prolonged or repeated
exposure.**



PRECAUTIONARY STATEMENTS

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray.

Get medical advice/attention if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

Dispose of contents/container to an approved waste disposal plant.

GENERAL INFORMATION

Micro-Manganese 4% Chelate contains 4% fully chelated manganese in a form readily available to plants. It is recommended as an additive to liquid fertilizer or can be used as a foliar spray. **Micro-Manganese 4% Chelate** is compatible with most agricultural chemicals that may be used in combination with liquid fertilizer. It is most effective when placed in the root zone during planting or moved into the soil by irrigation, tillage, or rainfall. To ensure proper yields, it is important that the manganese deficiency be treated before visual symptoms appear. Rates of application must be adjusted depending upon the severity of the deficiency, climate and soil condition, and method of application.

DIRECTIONS FOR USE SHAKE WELL BEFORE USING KEEP OUT OF THE REACH OF CHILDREN

Pour recommended amount of **Micro-Manganese 4% Chelate** into partly filled spray tank. Add balance of water to fill tank. Keep agitated while filling and spraying. Flush all spray equipment after use.

In all cases it is recommended that a **JAR TEST FOR COMPATIBILITY** be conducted, mixing each product in the same ratios as to be field applied.

APPLICATION RATE

AGRICULTURAL CROPS

Soil Application: Apply 1 to 2 gallons of **Micro-Manganese 4% Chelate** per acre. **Micro-Manganese 4% Chelate** can be mixed and applied with water or compatible liquid fertilizers, including N-Phuric.

Field and Vegetable Crops

Foliar Spray: Apply 1 to 2 quarts per acre in at least 25 gallons of water early in the growing season. This treatment should be repeated if crops continue to show manganese deficiencies.

Grains & Grasses

Foliar Spray: Apply 1 to 2 pints per acre in 10 gallons of water to assure thorough coverage. Make first application at tillering and second application 14 to 20 days later.

For best results, spray when the crop is in an active growing state (after irrigation or rainfall). Spray early in the morning or late afternoon. Mid-day sprays may not be effective because of excessive moisture evaporation.

Orchard Crops

Foliar Spray: Apply 2 to 4 quarts per acre in at least 100 gallons of water early in the growing season. Repeat if crops continue to show manganese deficiencies.

ORNAMENTALS

Injection Systems: This product may be applied through an injection system to the crops listed below at a maximum concentration of 50 to 100 ppm.

Shrubs & Vines

Foliar: Apply 2 quarts per 100 gallons of water and spray to point of run-off. For smaller quantities apply 1 oz per 1 gallon of water.

Soil: Apply 5 to 8 oz per 3 gallons of water for small shrubs. Apply directly underneath the shrub and water in well.

Annual & Perennial Flowers

Foliar: Apply 1/2 pint per 25 gallons of water and spray point of run-off. For smaller quantities apply 2 oz per 3 gallons of water.

Soil: Apply 4 to 6 oz per 3 gallons of water per 100 sq. ft. and water in well.

Tree & Large Woody Shrubs

Foliar: Apply 1 gallon per 100 gallons of water and spray to point run-off. For smaller quantities apply 1.25 oz per 1 gallon of water.

Soil: Apply 1 pint per 1 inch trunk diameter (at chest height) to the soil within the drip line. Water thoroughly after application.

Turf: Apply 1 pint per 1,000 sq ft with sufficient water for good coverage. Spray to the point of run-off. Repeat every 3-4 weeks until grass goes into dormancy.

WARRANTY

Verdesian Life Sciences U.S., LLC warrants that this Product conforms to the specifications set forth on the label. This Product is reasonably fit for the purpose stated on the label when used in accordance with the label directions and instructions under normal conditions of use.

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Target Market

**ROW CROPS,
POTATOES,
SUGAR BEETS,
ONIONS**

Target Usage/
Application

**FOLIAR OR
SOIL NUTRIENT**

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

This product is manufactured by:

Verdesian Life Sciences, U.S., LLC 1001 Winstead Drive, Suite 480, Cary, NC 27513
Customer Service: 800-868-6446

Contents: 265 gal (1003.13 L)
Density: 9.48 lbs./gal (1.14 kg/L) at 68° F (20° C)

Net Wt.: 2513.20 lbs. (1139.50 kg)

Inv. ID: 20001120-000

Lot# 0069 11519

