



4% Micro-Manganese™ Chelate

Foliar & Soil Applied
10-0-0

READ ENTIRE LABEL BEFORE USING THIS PRODUCT

GENERAL INFORMATION

4% Micro-Manganese Chelate™ contains 4% fully chelated manganese in a form readily available to plants. It is recommended for use as an additive to liquid fertilizer or can be used as a foliar spray. 4% Micro-Manganese Chelate™ is compatible with most agricultural chemicals that may be used in combination with liquid fertilizer. 4% Micro-Manganese Chelate™ 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.

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

DIRECTIONS FOR USE

Pour recommended amount of 4% Micro-Manganese 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.

APPLICATION RATES

Agricultural Crops

Soil Application: Apply 1 to 2 gallons of 4% Micro-Manganese Chelate™ per acre. 4% Micro-Manganese Chelate™ can be mixed and applied with water or compatible liquid fertilizers, including N-Phuric. Perform a jar test before mixing with other liquid fertilizers and/or pesticides in large quantities.

Field & 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.

CAUTION:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid breathing spray mist. May cause irritation of nose, throat or skin. Avoid contact with eyes, skin and clothing. Do not contaminate feed and foodstuffs. Do not apply to any area not specified on label. Do not re-use empty container. Wash thoroughly with water and detergent, puncture, make unusable, dispose of in a safe place. Store out of sun in an area of moderate temperature. Will stain when applied to concrete.

GUARANTEED ANALYSIS

Total Nitrogen (N).....	10.0%
10% ammoniacal nitrogen	
Sulfur (S)	2.5%
Manganese (Mn)	4.0%

(Derived from ammonia nitrogen and manganese sulfate. Chelating agents are EDTA and citric acid.)

Net Contents: 5 gallons
Weight per Gallon: 9.48 lbs.

CONDITION OF SALE

Seller warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. No one other than the officer of seller is authorized to make any warranty, guarantee, or direction concerning this product. Because the time, place, rate of application, and other condition of use are beyond seller's control, seller's liability from handling, storage, and use of this product is limited to replacement of product or refund of purchase price.

This product is manufactured by:
Northwest Agricultural Products, Inc.

P.O. Box 3453 • Pasco WA 99302 • 509 / 547-8234

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 ½ pint per 25 gallons of water and spray to 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.

Trees & Large Woody Shrubs

Foliar: Apply 1 gallon per 100 gallons of water and spray to point of 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