

# Manganese

## GUARANTEED ANALYSIS 0-0-0

Manganese (Mn)..... 5%  
Sulfur (S)..... 6.5%

**DERIVED FROM:** Manganese Sulfate. Additional contents include Proprietary Polymeric Hydrocolloid Leachate.

**PHYSICAL PROPERTIES:** Liquid form, 1.2 pH, 10.18 pounds per gallon at 68° F.

## PRECAUTIONARY STATEMENTS

**CAUTION:** Keep out of reach of children. Harmful if swallowed.

**STORAGE AND DISPOSAL:** Keep product in original container. Store away from excessive heat. Do not transfer into food or drink containers. Triple rinse when empty for disposal. Always dispose of container in accordance with local, state, and/or federal regulations.

**CONDITIONS OF SALE:** The information contained herein is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from use of this material. Follow directions carefully. Timing, rate, and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or any accompanying written recommendations are beyond the control of Seller. Buyer assumes all risks of use, storage and handling of this material not in accordance with directions given herewith. Information received by the Washington State Department of Agriculture regarding the components in this product is available on the internet at <http://agr.wa.gov>.

**COMPATIBILITY:** May be mixed with water to improve application coverage. May cause settling out of minerals in alkaline water. Foaming or separation may occur with highly acidic formulations or calcium nitrate solutions. Agitate as needed. May be mixed with most liquid fertilizers or may be impregnated on dry granules or prills. This product is compatible with most insecticides, fungicides, and plant-growth regulators. Perform a jar test before mixing large quantities if compatibility is in question.

## DESCRIPTION

**Manganese** is a complexed probiotic nutrient formulation designed to stimulate metabolic activity and improve the health of the plant.

## BENEFITS OF USE

- Stimulates the formation of lateral roots
- Aids in chlorophyll synthesis
- Acts closely with micronutrients copper and zinc
- Is essential for assimilation of carbon dioxide in photosynthesis
- Facilitates the release of oxygen from water molecules
- Serves as a catalyst to enhance plant respiration

## APPLICATION RECOMMENDATIONS Shake Well Before Using

..... Apply 2 to 12 ounces per acre

Application rates and timing may vary according to individual crop needs, prior fertilizer applications, and soil type and conditions. Applications should be made in cooperation with a MAP representative or other agricultural specialist.



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