



**OMRI**  
Listed

# BIOMIN<sup>®</sup> MANGANESE

Chelated Mineral for Soil and Foliar Application



## PRODUCT INFORMATION

**BIOMIN MANGANESE** contains chelated manganese for soil and/or foliar application. Completely bioavailable and non-phytotoxic to plants when applied in accordance to directions. Designed to prevent and correct manganese deficiencies and to boost crops during critical or fast growing periods. May be applied with nitrogen fertilizers.

## DIRECTIONS AND GENERAL RECOMMENDATIONS: SHAKE WELL BEFORE USE

**SOIL APPLICATION: BIOMIN MANGANESE** can be applied before or at planting as banding or broadcast. The application rate is 1 quart to 1 gallon per acre depending on soil conditions and application methods. For maintenance, 1 quart per acre is recommended. **BIOMIN MANGANESE** should be diluted with enough water to cover the entire acre.

## FOLIAR APPLICATION:

**FIELD CROPS:** Apply 1-4 pints per acre (1.5-5 liters/hectare) of **BIOMIN MANGANESE** when crops are about 4-6 inches (10-20 cm) high or when deficiency symptoms appear. Repeat the application in 2-4 weeks if necessary.

**FRUIT TREES AND GRAPES:** Apply 1-4 pints per acre (1.5-5 liters/hectare) of **BIOMIN MANGANESE** starting at bud break or when deficiency symptoms appear. Repeat the application in about 4 weeks if necessary.

## GUARANTEED ANALYSIS

Manganese (Mn).....5.0%  
5.0% chelated manganese  
Derived from manganese sulfate,  
citric acid (chelating agent)

ALSO CONTAINS NONPLANT FOOD  
INGREDIENT: 10% Hydrolyzed vegetable protein.

**CAUTION-** Do not apply this product after application of copper containing products as this may cause phytotoxicity.

## PREVENTS AND CORRECTS MANGANESE DEFICIENCIES

**KEEP OUT OF REACH OF CHILDREN**

## MANUFACTURED BY:

JH BIOTECH, INC.  
P.O. Box 3538  
Ventura, CA 93006, U.S.A.

## NET CONTENTS:

- 1 Pint (0.47 liters)
- 2.5 Gallons (9.45 liters)
- 2 x 2.5 Gallons (18.9 liters)
- 5 Gallons (18.9 liters)
- 55 Gallons (207.9 liters)
- Other: \_\_\_\_\_ Gallons

Weight per Gallon: 10.0 lbs. (4.5kgs) @ 68°F

U.S. Pat.# 5,504,055

LOT NO.:

**VEGETABLE CROPS:** Apply 1-4 pints per acre (1.5-5 liters/hectare) of **BIOMIN MANGANESE** at about 2 - 4 weeks after emergence, or when deficiency symptoms appear. Repeat the application in 1-3 weeks if necessary.

For best results, apply **BIOMIN MANGANESE** when the crop is in active growing stage, after irrigation or natural rain fall. For foliar application, it should be diluted with at least 100 times of water. **BIOMIN MANGANESE** will lower high pH of water and decrease the hydrolysis of most pesticides.

**BIOMIN MANGANESE** can be applied to strawberry, lettuce, tomato, celery, stone fruits, vegetables, grapes, commercial turf, and ornamental gardens.

## LIMITED WARRANTY

Manufacturer or seller makes no warranty, whether expressed or implied, concerning the use of this product other than for the purposes indicated on the label. Neither manufacturer nor seller shall be liable for any injury or damage caused by this product due to misuse, mishandling or any application not specifically described on the label.

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

**JH Biotech Inc.**

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