

# CHB Manganese 5%

Quality Concerns? Love our Product?  
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## Guaranteed Analysis

**Sulfur (S)**.....**2.5%**  
**Manganese (Mn)** .....**5.0%**

Derived from: Manganese Sulfate

## GENERAL INFORMATION

CHB Manganese 5% is produced in an exclusive base that may facilitate uptake and minimize tie-up of Manganese in the soil. Manganese is necessary for chlorophyll formation, photosynthesis, respiration, nitrate assimilation, and enzyme activation.

CHB Manganese 5% is a part of the Bio-Gro, Inc. CHB line of primary (N, P & K), secondary (Ca & Mg) and micronutrients (Zn, Mn, Cu, B & Fe) manufactured specifically as a liquid fertilizer to help prevent and correct nutrient deficiencies that may limit crop growth and yields. CHB Manganese 5% is a supplement to an adequate soil fertility program. We recommend that you consider proper placement and application timing.

**When applying CHB Manganese 5% on organically certified crops, soil deficiency must be first documented by testing.**

## DIRECTIONS FOR USE

**Compatibility** - CHB Manganese 5% can be blended with various liquid fertilizers. Caution should be used when blending with phosphate fertilizers. Certain forms of phosphate are compatible with CHB Manganese 5%. Always conduct a jar test if you are uncertain about compatibility or consult your Bio-Gro, Inc. dealer for more information.

**Mixing** - Shake, stir, or swirl contents before using.

**Applications** - CHB Manganese 5% can be applied by ground equipment and through irrigation systems. Recommended soil applications include banding and broadcast. Recommended fertigation methods include water run, sprinkler and drip irrigation. When using high rates avoid direct contact with living plant material or ensure an adequate volume of water to dilute CHB Manganese 5% on plant surface.

## SUGGESTED APPLICATIONS

Optimum rate of application will vary between fields depending on soil and/or climatic conditions, stage of crop growth and size of plants. Application rates are best determined by results from soil/plant analysis. For this reason we recommend that you contact your qualified Bio-Gro, Inc. product representative or agronomist with soil/plant analysis for evaluation.

### General Soil Applications for all crops:

Maintenance ..... 1 - 2 qts./acre  
Moderate Deficiency ..... 2 - 4 qts./acre  
Severe Deficiency ..... 1 - 3 gal./acre

### Fertigation

Apply the required amount of product in split applications one to two weeks apart throughout the growing season.

### Foliar

CHB Manganese 5% can be applied as a foliar application on all crops at a rate of 1-2 quarts per acre during periods of rapid vegetative growth. Use adequate water to prevent tissue burn.

**"Approved material under Washington State  
Department of Agriculture organic food program"**



## CONDITIONS OF SALE

Seller and/or manufacturer warrants only that this product consists of the ingredients specified on this label. No one is hereby authorized to make any warranty and/or guarantee concerning the use of this product. Being that the use, timing, placement, rate, application and other conditions are beyond the control of the seller and/or manufacturer, the seller's and/or manufacturer's liability for handling, storage and use of this product is limited to replacement of product or refund of purchase price.

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



Manufactured by:

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## Manganese Sulfate



### WARNING

H315: Cause skin irritation. H319: Causes serious eye irritation. H373: May cause damage to organs through prolonged or repeated exposure. H411: Toxic to aquatic life with long-lasting effects.

### PRECAUTIONARY STATEMENTS

Keep out of reach of children. Read label before use. Wear protective gloves/protective clothing/eye protection. Do not handle until all safety precautions have been read and understood. Do not taste or swallow.

**9.7 lbs/gallon @ 68° F (1.16 kg/liter)**

☐ Net Contents: 2 x 2.5 Gal (2 x 9.46 L)

☐ Net Contents: 250 Gal (946 L)

☐ Net Contents: 5 Gal (18.92 L)

☐ Net Contents: \_\_\_\_\_