



**JH Biotech**

Innovation for a Greener Earth

# BIOMIN<sup>®</sup> MANGANESE



Amino Acid Encapsulated Manganese

**Biomin Manganese** is a bioavailable plant nutrient. **Biomin Manganese** is created using an encapsulation of the mineral manganese with amino acids and natural organic acids. Under normal circumstances manganese is subject to being tied up by other chemicals in the soil. Our patented process prevents the inactivation of manganese from occurring. The amino acid and organic acid shells protect manganese from interaction with other chemicals normally found in the environment. After it is inside the plant, the manganese is released and the remaining amino acids are used by the plant as a slow release source of nitrogen. Since the nitrogen is slow release, and present in small amounts, it does not produce unwanted vegetative growth after the flowering stage.

PLANT	TIME OF APPLICATION	RATE
Home Plant	Once a month	1.0 oz per gallon of water
Vegetables	Every 2-3 months	1.5 – 2.0 oz per gallon of water
Lawns	Every 4-6 weeks	1.5 – 2.0 oz per gallon of water
Trees	As needed	1.5 – 2.0 oz per gallon of water
Soil Application	Every 4-6 weeks	2.0 – 3.0 oz per gallon of water
Hydroponics	As needed	150 ppm

## Advantages of Biomin Manganese

- Quickly corrects manganese deficiency
- Can be used at any growth stages
- Particularly important in citrus
- Environmentally friendly
- Non-phytotoxic to plants

## General Recommendations

**Biomin Manganese** is completely bioavailable and non-phytotoxic to plants when applied according to directions.

**Biomin Manganese** may be applied to all plants: All Vegetables, Avocado, Citrus, Fruit Trees, Grapes, Lawns, Nut Trees, Ornamental House Plants, and Strawberry.

For labels and MSDS, visit our website at [www.jhbiotech.com](http://www.jhbiotech.com) or call us at 805.650.8933

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