

# NitraMar<sup>®</sup>

## Manganese Nitrate Solution

**7-0-0**

### Guaranteed Analysis

Total Nitrogen (N).....	7.00%
7.00 % Nitrate Nitrogen	
Manganese (Mn).....	15.0%

### Derived from: Manganese Nitrate

<b>Each gallon Contains:</b>	0.88 pounds of N
	1.89 pounds of Mn
<b>Specific Gravity:</b>	1.51
<b>Density:</b>	12.60 lbs/gal @ 68° F
<b>pH Range:</b>	1.3



### WARNING

**KEEP OUT OF REACH OF CHILDREN**

**EPA National Response Center: (800) 424-8802**

**HAZARD STATEMENT (GHS-US):** May intensify fire; oxidizer. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

**PRECAUTIONARY STATEMENT (GHS-US):** Keep away from heat, hot surfaces, open flames, sparks. - NO SMOKING. Keep/store away from combustible materials, combustibles. Take any precaution to avoid mixing with combustible materials, combustibles. Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves, eye protection. If swallowed: call a doctor, a POISON CENTER if you feel unwell. If on skin: wash skin with plenty of water. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse mouth. If skin irritation occurs: get medical advice/attention. If eye irritation persists: get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: use sand, dry extinguishing powder, alcohol resistant foam to extinguish. Dispose of contents/ container to comply with local, state, and federal regulations.

### GENERAL INFORMATION

NitraMar<sup>®</sup> Manganese Nitrate is a readily available form of Manganese, specifically formulated for use to treat deficiencies and disorders in vegetable crops, field crops, trees, vines, turf and ornamentals. NitraMar<sup>®</sup> Manganese Nitrate solution used as a foliar spray along with a sound fertility program, assures that the nutritional demands of the plant are satisfied. Avoid application under extreme climate conditions.

### DIRECTIONS FOR USE

NitraMar<sup>®</sup> Manganese Nitrate is compatible with most pesticides, fungicides, and liquid fertilizer combinations, but NOT phosphate-containing fertilizers. When mixing with other materials, add ingredients in this order:

1. 1/2 of required water
2. NitraMar<sup>®</sup> Manganese Nitrate solution
3. Remainder of required water
4. Other chemicals

### SOIL APPLICATION RATES

NitraMar<sup>®</sup> Manganese Nitrate may be applied pre-plant, as a starter, side dress, fertigated, top dressed or banded to the soil. Dilute with water if needed to ensure uniform distribution.

**Trees and Vines:** Apply 2-6 gallons per acre based on soil levels and crop requirements.

**Vegetable and Row Crops:** Apply 2-6 gallons per acre based on soil levels and crop requirements.

### FERTIGATION APPLICATION RATES

**Flood and Furrow Application (Trees and Vines):** Apply 1-3 gallons per acre per application beginning at full leaf, schedule as needed.

**Vegetables and Row Crops:** Apply 1-3 gallons per acre per application, schedule second application based on crop requirements.

Agitate thoroughly until mixed. A non-ionic surfactant is recommended to be added in all situations to the spray solution to aid in surface covers and leaf absorption. NitraMar<sup>®</sup> Manganese Nitrate solution should be added to a minimum of 100 gallons of water per acre for dilute applications, and at least 20 gallons of water per acre for concentrate. For aerial application, a minimum of 5 gallons of water per acre is required. For best results, apply when crops are actively growing and at multiple applications.

### RECOMMENDED RATES

The optimum rate and timing of application will depend on local conditions and should always be made as a result of soil and/or plant tissue analysis in consultation with your local agricultural authorities. In the absence of test results, use the following as a guide:

**Fruits and Nuts, Mature:** 1-2 pint(s) per acre in 100 gallons of water

**Fruits and Nuts, Young:** 1/2-1 pint per acre in 100 gallons of water

**Field Crops:** 1/2 pint per acre in 100 gallons of water

**Vegetable Crops:** 1/2 pint per acre in 100 gallons of water.

Use in accordance with recommendations of qualified individual or institution such as, but not limited to, a certain crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan. When tank mixing other products, "Jar Test" proportionally mixed components to confirm compatibility.

**WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### CONDITIONS OF SALE AND WARRANTY

Mar Vista Resources (Seller) warrants that the chemical composition of this product conforms to the chemical description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon Seller. Timing, rate and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or an accompanying written recommendation, are beyond the control of Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case shall Seller be liable for consequential, special, indirect, or incidental damages or losses resulting from the handling or use of this product. The foregoing is a condition, of sale by Seller and is accepted as such by the buyer. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of Seller's liability.

**NET CONTENTS: BULK**

**NET CONTENTS: 275 Gal (1,040.9 L) Tote**

**NET CONTENTS: 5 Gal (18.9 L) Pail**

**NET CONTENTS: \_\_\_\_\_**

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

**Guaranteed, Manufactured & Formulated By:**



Providing Resources for Value Creation<sup>™</sup>

Batch Number: \_\_\_\_\_

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Revision: 12-2016 GHS