



# NutriSync Manganese

3.00% Mn  
FOLIAR NUTRIENT

### GUARANTEED ANALYSIS

Manganese (Mn) ..... 3.00%  
3.00% Water Soluble Manganese

Derived from: Manganese Acetate

**KEEP OUT OF REACH OF CHILDREN**



## WARNING

Harmful if swallowed. Avoid contact with skin, eyes or clothing.

STORE IN COOL AND DRY CONDITIONS.

FOR AGRICULTURAL AND PROFESSIONAL USE ONLY

### FIRST AID

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL 1-866-944-8565.

### EQUIPMENT

Brass, copper and galvanized metals may be subject to mild corrosion from prolonged or repeated contact with this product.

### COMPATIBILITY

NUTRISYNC MANGANESE can be applied alone or with other compatible spray materials. Ammonium polyphosphate fertilizers tend to be more compatible than orthophosphate types. Including some polyphosphate in the mixture often improves compatibility of orthophosphates.

Proposed mixtures should be evaluated in a jar test before full scale use. Fertilizer based mixtures that also contain pesticides should be sprayed as soon as possible.

**Note:** When combining NUTRISYNC MANGANESE with phosphate fertilizers vigorous agitation is required for good product mixing. See mixing directions below for more information.

### CROP SAFETY

This product has been tested on a number of crop varieties with no phytotoxicity observed at labeled rates; however, this product has not been tested on all varieties and cultivars. Due to the large number of plant species and their associated varieties or cultivars, and due to variable growing conditions, it is impossible to test every plant for tolerance to this product. It is the responsibility of the user to determine if this product can be used safely prior to commercial use. In a small test area, test the specified rates on plants for phytotoxicity prior to general use. Before using any tank mix, test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application. Treat a small group of target crop including plant cultivars and evaluate for 3 to 7 days prior to making an application to your entire crop.

### MIXING INSTRUCTIONS

In combination with water based mixtures, nitrogen solutions, or pesticides, mix as follows: 1) Fill mixing tank about 0.50 full with water. 2) Start agitation and add required amount of NUTRISYNC MANGANESE. 3) Finish filling tank with water and pesticide. Continue agitation until tank is emptied. Apply the spray mixture as soon as possible and avoid storing for prolonged periods.

**Note:** When combining NUTRISYNC MANGANESE with phosphate fertilizers, mix as follows: 1) Add a small amount of fertilizer to the mixing tank. 2) Start bypass agitation, then add the required amount of NUTRISYNC MANGANESE, and vigorously agitate until it is completely mixed into solution. 3) Add remaining phosphate fertilizer and continue agitation until tank is emptied. When phosphate fertilizers are combined with NUTRISYNC MANGANESE, bypass agitation alone does not provide sufficient agitation to ensure a good product mixture. Remove in line strainers on the suction side of the pump when combining NUTRISYNC MANGANESE with phosphate fertilizers.

### RATES: DIRECTIONS FOR USE

Apply as needed based on soil or tissue analysis results, or according to recommendations in your nutrient management plan.

### DIRECTIONS FOR USE

| Crop  | Application rate per acre | Application Directions and Timing   |
|---|---------------------------|---|
| (01) Root and Tuber Vegetables including Potato, Sugarbeet, Onion, Carrot, etc. | 1.0 to 8.0 pts            | 1st application at tuber initiation.<br>Can repeat as needed every 14 to 21 days.                   |
| (04) Leafy Vegetables including Celery, Head and Leaf Lettuce, etc.             | 1.0 to 4.0 pts            | 1st application after thinning, or 3- to 4-leaf stage.<br>Can repeat as needed every 14 to 21 days. |

### Directions for use cont'd.

| Crop  | Application rate per acre | Application Directions and Timing  |
|---|---------------------------|--|
| (05) Brassica Vegetables including Broccoli, Cabbage, Cauliflower, Collards, Brussels Sprouts, etc. | 1.0 to 4.0 pts            | 1st application after thinning or 3- to 4-leaf stage.<br>Can repeat as needed every 14 to 21 days.   |
| (06) Legume Vegetables including all Beans, Soybeans, etc.  | 1.0 to 4.0 pts            | 1st application at v3 to v4.<br>Can repeat as necessary every 14 to 21 days until senescence.  |
| (08) Fruiting Vegetables including Peppers, Tomato, Eggplant, etc.                                  | 1.0 to 4.0 pts            | 1st application at crop establishment.<br>Can repeat every 14 to 21 days until harvest.  |
| (09) Cucurbits including all Melons, Cucumber, Squash, etc.   | 1.0 to 8.0 pts            | 1st application at 3- to 4-leaf stage.<br>Can repeat as necessary every 14 to 21 days until harvest.   |
| (10) Citrus Fruits including Oranges, Lemons, Limes, etc.   | 2.0 to 6.0 qts            | 1st application at 1st bloom.<br>Can repeat as necessary every 14 to 21 days until harvest.  |
| (11) Pome Fruit including Apple, Pear, etc.   | 1.0 to 8.0 pts            | 1st application at first bloom.<br>Can repeat every 14 to 21 days until harvest.   |
| (12) Stone Fruit including Cherry, Peach, Plum, etc.  | 1.0 to 8.0 pts            | 1st application at first bloom.<br>Can repeat as necessary every 14 to 21 days until harvest.  |
| (13) Berry and Small Fruit including Strawberry, Blueberry, Caneberries (Blackberry, Raspberry)     | 1.0 to 8.0 pts            | 1st application at first bloom.<br>Can repeat as necessary every 14 to 21 days until harvest.  |
| (13) Berry and Small Fruit including Grape  | 1.0 to 4.0 pts            | 1st application when 4 to 6 inches of new shoot growth   |
| (14) Tree Nuts including Almond, Hazelnut, Pistachio, Pecan, Walnut                                 | 2.0 to 6.0 qts            | 1st application at first bloom.<br>Can repeat as necessary every 14 to 21 days until harvest.  |
| (15) Cereal Grains including Corn, Wheat, Grain Sorghum, Rice, etc.                                 | 1.0 to 4.0 pts            | 1st application at v3 to v5.<br>Can repeat as necessary every 14 to 21 days until pollination.<br><br>Small grains: 1st application timing at 4 to 6 leaf (tillering). 2nd application may be made up to the full flag leaf stage. |
| (16) Grass forage Fodder and Hay including Grasses, etc.  | 1.0 to 4.0 pts            | Begin on emergence of spring growth or deficiency symptoms.<br>Repeat every 14 to 21 days as needed.   |
| (17) Grass forage Fodder and Hay including Grasses Grown for Seed                                   | 1.0 to 4.0 pts            | Begin on emergence of spring growth or deficiency symptoms.<br>Repeat every 14 to 21 days as needed.   |
| (18) Animal Feed, Non Grass including all Alfalfa, Clover, etc.                                     | 1.0 to 8.0 pts            | Apply 1st application at 2nd to 4th true leaf stage and 1 to 2 subsequent applications after cutting.  |
| (20) Oilseed including Cotton, Sunflower, Canola  | 1.0 to 4.0 pts            | Begin applications at 2- to 4-leaf stage.<br>Repeat applications at 14 to 21 days interval as needed.  |
| (99) Misc including Avocado, Artichoke, Hops, Flax, Mint, Olive, Peanut, Tobacco, etc.              | 1.0 to 8.0 pts            | 1st application at first bloom.<br>Can repeat as necessary every 14 to 21 days until harvest.  |

**NOTE:** Not all of the micronutrients in this product are necessary for all crops grown in Wisconsin that are listed on this label.

### STORAGE AND DISPOSAL

**STORAGE:** Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area, preferably in a locked storage area away from children, feed and food products, and seed. Store at ambient temperatures. Do not contaminate water, food, or feed by storage or disposal. **DISPOSAL:** Do not reuse container. Completely empty container into application equipment. Thoroughly rinse container, adding rinse water to the spray tank.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary. LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when the product is used in accordance with such Directions for Use under normal conditions of use. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-lpi.com/>

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### WARNING

This product can expose you to chemicals including cobalt, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

F1548



Density: 8.91 lbs/gallon @ 68 °F  
Liquid Measure: gallons (      ) liters)  
Net Weight: lbs (      ) kg  
Product code: 1000367765

GUARANTEED BY: LOVELAND PRODUCTS, INC.® P.O. BOX 1286 GREELEY, CO 80632-1286