

# MAX-IN<sup>®</sup> Ultra Manganese

The Next Generation of Foliar Nutrition

## Guaranteed Analysis

Manganese (Mn) ..... 5.0%  
5.0% Water Soluble Manganese (Mn)

Derived from: Manganese sulfate

\*U.S. Patent No. 7,666,242



**KEEP OUT OF REACH OF CHILDREN**



## **DANGER**

Causes severe skin burns and eye damage. May cause damage to organs through prolonged or repeated exposure.

## **PRECAUTIONARY STATEMENTS**

Do not breathe mist or spray. Wash hands thoroughly after use. Wear protective gloves, protective clothing, eye protection, and face protection. Store in a secured, preferably locked, area. Dispose of contents/container in accordance with Federal, state and local regulations.

## **FIRST AID**

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

**IF ON SKIN (OR HAIR):** Take off immediately all contaminated clothing. Rinse skin with water/shower.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center or doctor for treatment advice.

**IF IN EYES:** Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center or doctor for treatment advice.

For Chemical Spill, Leak, Fire or Exposure, Call Chemtrec (800) 424-9300.

## **GENERAL INFORMATION:**

**MAX-IN Ultra Manganese** is a special formulation of liquid manganese plus a proprietary blend of stabilizing agents which can be applied with glyphosate as a foliar application on glyphosate resistant crops where manganese deficiencies may exist. **Max-In Ultra Manganese** may also be applied with other pesticides as a foliar application on agricultural crops where manganese deficiencies may exist.

**MAX-IN Ultra Manganese** is not to be used as a replacement for any surfactant where the herbicide label tank mix recommendations call for a surfactant. The use of ammonium sulfate is always recommended when tank-mixed with glyphosate based products and other herbicides.

**MAX-IN Ultra Manganese** is specifically designed for use on soybeans in conjunction with glyphosate products. However, this product can be used on other crops where the addition of manganese would be beneficial. It includes SureTank™ technology for compatibility with many agricultural pesticides. However, if local information is not available, a jar test for compatibility should be conducted prior to large scale mixing.

## **MIXING INSTRUCTIONS**

1. Add water and agitate
2. Add an ammonium sulfate source or water conditioner
3. Add **MAX-IN Ultra Manganese**
4. Add Pesticides

NOTE: If wettable powders or water dispersible granules (WDG) are used, slurry them in water prior to addition.

F1683

Distributed and Guaranteed By:

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1/0105/7

Weight Per Gallon: 10.2 pounds (4.63 kg)

NET WEIGHT: 25.5 lbs. (11.57 kg)

NET CONTENTS: 2.5 Gallons (9.46 Liters)

# WINFIELD™

## **MIXING INSTRUCTIONS WHEN MIXED WITH GLYPHOSATE:**

1. Fill tank ½ full with water and agitate
2. Add Class Act® NG®, Alliance® or AMS and agitate
3. Add **MAX-IN Ultra Manganese**, continue agitation
4. Fill tank to ¾ full and continue agitation
5. Add glyphosate and continue agitation
6. Fill tank to full

Do not mix **MAX-IN Ultra Manganese** and glyphosate together in the cone inductor. If using a cone induction system rinse it out thoroughly with water between the addition of **MAX-IN Ultra Manganese** and glyphosate. At the end of the day, rinse out spray booms.

## **DIRECTIONS FOR USE:**

For use in a balanced fertility program for all crops requiring manganese. User should seek the advice of a certified crop advisor or trained agronomist. For specific crop recommendations in your area, consult your state's recommendations.

### **Foliar Application:**

**Soybeans** - Use 1-2 quarts per acre of **MAX-IN Ultra Manganese** in a minimum of 10 gallons of water by ground.

Applications should be made in the V3-V5 stage and repeated, if necessary, at the R1-R2 stage.

**Peanuts** – Use 1-2 quarts per acre of **MAX-IN Ultra Manganese** in a minimum of 10 gallons of water by ground.

Multiple applications should be made 10-14 days apart in severe manganese deficiency areas.

**Tree Crops (All Nut and Fruit Crops):** Apply 1 to 2 quarts per acre as recommended by crop advisor. Can be applied in 50 to 200 gallons per acre.

**Turfgrass (golf courses, sports fields, lawns, and other turf areas):** Apply 0.25 to 2 fl. oz. per 1000 ft<sup>2</sup> in 1 to 3 gallons of water during the growing season as needed.

**For Turfgrass Applications:** DO NOT APPLY NEAR WATER, STORM DRAINS, OR DRAINAGE DITCHES. DO NOT APPLY IF HEAVY RAIN IS EXPECTED. APPLY THIS PRODUCT ONLY TO YOUR LAWN/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

### **Aerial Application:**

**Soybeans** - Use 1-2 quarts per acre of **MAX-IN Ultra Manganese** in a minimum of 3 gallons of water by air.

Applications should be made in the V3-V5 stage and repeated, if necessary, at the R1-R2 stage.

**Peanuts** – Use 1-2 quarts per acre of **MAX-IN Ultra Manganese** in a minimum of 3 gallons of water by air.

Multiple applications should be made 10-14 days apart in severe manganese deficiency areas.

For use of **MAX-IN Ultra Manganese** on crops other than those listed above, apply according to directions of your regional Winfield Plant Nutrition Specialist or local agricultural professional to crops where the addition of manganese would be beneficial.

A number of variables influence the rate of application necessary to prevent or correct a specific deficiency. For best results, follow good agronomic practices and tissue test. For specific recommendations for crops in your area, consult your state's recommendations. Ammonium sulfate is recommended for use with herbicides where ammonium sulfate or a nitrogen source is recommended.

For use in Wisconsin:

For beans (dry, snap), lettuce, oat, onion, radishes, raspberry, soybean, spinach, sudangrass, wheat – 0.15 lbs Manganese (0.29 gallons) per acre for foliar applications.

For other crops – 0.10 lbs Manganese (0.20 gallons) per acre for foliar applications.

## **STORAGE**

**MAX-IN Ultra Manganese** can be corrosive to tanks, pumps, meters and fittings. Store in stainless steel or polyethylene tanks with stainless steel or polyethylene fittings. Store in a secured, preferably locked, area. Store above: 40°F.

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

## **WARRANTY DISCLAIMER**

Winfield Solutions, LLC warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS

FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

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