

# MAX-IN<sup>®</sup> X-Mn<sup>™</sup>

## Guaranteed Analysis

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

**Derived from:** Manganese sulfate

**KEEP OUT OF REACH OF CHILDREN**



**DANGER**

Causes skin irritation. Causes serious eye damage.

## **PRECAUTIONARY STATEMENTS**

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/eye protection/face protection.

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

## **FIRST AID**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**IF ON SKIN (OR HAIR):** Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse

**IN CASE OF MEDICAL EMERGENCY, CALL TOLL FREE 1-877424-7452**

## **GENERAL INFORMATION**

**MAX-IN X-Mn** is a special formulation of liquid manganese developed with herbicide tank mix compatibility in mind. **MAX-IN X-Mn** may also be applied with other pesticides as a foliar application on agricultural crops where manganese deficiencies may exist.

## **MIXING INSTRUCTIONS**

### **GENERAL**

1. Add water and agitate
2. Add an ammonium sulfate source (CLASS ACT<sup>®</sup> NG<sup>®</sup>) or water conditioner
3. Add **MAX-IN X-Mn**
4. Add Pesticides

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

### **MIXING INSTRUCTIONS WHEN MIXED WITH DICAMBA and 2,4-D:**

Mixing instructions will vary with each herbicide product. Follow the recommended mixing instructions per the herbicide label.

F1683

Distributed and Guaranteed By:  
Winfield Solutions LLC  
PO Box 64589  
St. Paul, Minnesota 55164-0589

Weight Per Gallon: 11.0 lbs. (4.99 kg)  
NET WEIGHT: 27.5 lbs. (12.47 kg)  
NET CONTENTS: 2.5 Gallons (9.46 Liters)  
2/0410/3

**WINFIELD<sup>®</sup>**  
**UNITED**

Do not mix **MAX-IN X-Mn** 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 X-Mn** 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:

**Alfalfa:** Apply 0.2 to 2 quarts per acre of **MAX-IN X-Mn** after each cutting. Applications should be made when sufficient re-growth has occurred.

**Cereal Crops:** Apply 0.5 to 2 quarts per acre when plants are between tillering and early joint stages. Later application may be needed; tissue samples should be used to determine later usages.

**Corn:** Apply 0.5 to 2 quarts per acre when corn is in the V3 to V12 stage. Later application, through R2, may be needed; tissue samples should be used to determine later usages. **MAX-IN X-Mn** can be tank mixed with glyphosate herbicides.

**Cotton:** Apply 1 to 1.5 pints per acre between the first true leaf and pin head square. 0.2 to 2 quarts per acre from first bloom to boll fill. Later application may be needed; tissue samples should be used to determine later usages. **MAX-IN X-Mn** can be tank mixed with glyphosate herbicides.

**Peanuts:** Use 0.5 to 2 quarts per acre of **MAX-IN X-Mn** during the vegetative stage in a minimum of 10 gallons of water by ground. A second application may be made at pegging.

**Potatoes:** Apply 0.5 to 2 quarts per acre from emergence to tuber initiation. Later application may be needed; tissue samples should be used to determine later usages.

**Soybeans:** Apply 0.5 to 2 quarts per acre when soybeans are in the vegetative stage or earlier reproductive stage. Later application may be needed; tissue samples should be used to determine later usages. **MAX-IN X-Mn** can be tank mixed with glyphosate herbicides.

**Sugar Beets:** Apply 0.5 to 2 quarts per acre between the second and 10 true leaf stages. Later application may be needed; tissue samples should be used to determine later usages. **MAX-IN X-Mn** can be tank mixed with glyphosate herbicides.

**Non-vine vegetable crops (including edible beans, dry beans, peppers, potatoes, tomatoes and other fruit producing vegetable crops):** Apply 1 quart per acre of **MAX-IN X-Mn** starting at pre-bloom or early bloom. Repeat applications may be needed every 10 to 14 days or as tissue sample deem necessary.

**Cucurbits and other vine crops (including cantaloupes, watermelons, and honey dew melons):** Apply 1 quart per acre of **MAX-IN X-Mn** starting when runners are 4-6 inches in length. May be repeated in 14-21 days for a maximum of four applications.

**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. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rains are expected. Apply this product only to your lawn/garden.

**Other Crops:** Apply according to directions of your regional Winfield Plant Nutrition Specialist or local agricultural professional to crops where the addition of boron, manganese and zinc would be beneficial.

**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:

Above use rates should be used in a minimum of 3 gallons of water by air. Repeat applications 10-21 days apart may be necessary.

For use of **MAX-IN X-Mn** 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.

Information regarding the contents and levels of metals in this product is available on the internet at:

<http://www.aapfco.org/metals.html>

#### **STORAGE AND DISPOSAL**

**STORAGE:** MAX-IN X-Mn 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. Keep out of the reach of children.

**DISPOSAL:** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Do not reuse empty containers.

**FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure, Or Accident, Call: CHEMTREC 1-800-424-9300**

#### **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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