



ILLUMINATE™ MANGANESE



GUARANTEED ANALYSIS

Sulfur (S) 2.75%
Manganese (Mn) 5.00%

Derived From: Manganese Sulfate, complexed by citric acid and gluconic acid

ALSO CONTAINS NONPLANT FOOD INGREDIENTS
0.10% Humic Acids from Leonardite

GENERAL INFORMATION

ILLUMINATE™ MANGANESE is an organic complexed Manganese fertilizer, for foliar, soil or water run application during primary growth stages. It is intended to be a supplement to a fertility program. Always monitor crop nutrient needs and responses with a soil, leaf tissue and irrigation water analysis program.

PRECAUTIONS

Agitate prior to use.

COMPATIBILITY

This product has an acidic pH and is compatible with many commonly applied nutrients and crop protection products. Contact an Ultra Gro representative for a list of compatible mixes. Jar test for compatibility prior to mixing with any pesticides, fertilizers or fertilizer blends. For unfamiliar mixes, an appropriate amount of the final mix should be applied to a small area of the intended crop to ensure plant compatibility prior to the planned application. User assumes full responsibility to ensure product, equipment and plant compatibilities.

STORAGE AND SHELF LIFE

Store in a sealed container in cool, dry location, at temperatures above freezing. Triple rinse and dispose of containers according to local and federal regulations.

NOTICE: Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. Buyer shall assume all risks of use including, but not limited to crop injury, ineffectiveness or other unintended consequences as may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of the seller. In no case shall Ultra Gro be liable for consequential, special or indirect damages resulting from the use or handling of this product. Always refer to the label on the product before use. ILLUMINATE™ is a trademark product of Ultra Gro, LLC, Madera, CA. This label is for use in California. For use in other states, please contact your Ultra Gro dealer, as labels may vary by state. Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>. REV 01292025

DIRECTIONS FOR USE

SOIL APPLICATIONS

Soil apply via mechanical application through direct spray or injection to the soil. Mix with sufficient water for adequate mixing and coverage of target areas. Apply in a uniform manner that avoids undiluted droplets coming into contact with living tissue. It is not recommended in applications where material will come into direct contact with seeds or young roots in its concentrated form. This product should NOT be applied in direct contact with seed and is not recommended for "pop up" applications.

WATER RUN APPLICATIONS

This material may be water run via drip, flood, and/or furrow. Apply in a uniform manner that avoids undiluted droplets coming into contact with living tissue. When applying this material via a fertigation system, continue to operate the system 30-60 minutes after material has completely injected to flush clean water through the system. Verify compatibility of all system components with acid fertilizers.

FOLIAR APPLICATIONS

In a clean spray tank, add any dry powders and water and agitate. Add liquid Fertilizers and ILLUMINATE™ MANGANESE last, continuing agitation. Concentration should not exceed 0.50% (volume to volume) in the finished spray solution. Always use enough water for uniform application and to prevent possible plant tissue damage to the intended crop from concentrated droplets. Contact your Ultra Gro representative for rates when using low-volume and electrostatic sprayers. Apply during the cool part of the day, or when temperatures below 85° F. Do not apply under windy conditions, or other conditions that promote fast drying of leaf surfaces.

Maximum Concentration ratio: Mix 1 pint of Illuminate Manganese in no less than 25 gallons of water.



DANGER

Causes skin irritation. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

Do not breathe fume/gas/mist/vapours/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Immediately call a POISON CENTER or doctor/physician. Specific treatment (see First Aid on SDS). If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash before reuse. STORAGE AND DISPOSAL: Dispose of in accordance with local, regional and international regulations. Percentage of Components with Unknown Acute Toxicity: Oral: 21.4%, Dermal: 21.4%, Inhalation Vapor: 21.4% Inhalation Dust/Mist: 30.5%

SUGGESTED APPLICATION RATES & TIMINGS

FRUIT TREES & GRAPE VINES & OTHER VINES

Foliar: Apply 1 - 4 pints of ILLUMINATE™ MANGANESE per acre up to every 7 days during timings of key nutrient demands, in combination with water and any compatible mineral that may be needed. (See *Foliar Application Directions For Use* for proper dilution ratios.)

Soil/Water Run: Apply 0.25 - 2.5 gallons of ILLUMINATE™ MANGANESE per acre up to every 7 days during timings of key nutrient demands, in combination with water and any compatible mineral that may be needed.

NUT TREES

Foliar: Apply 1 - 4 pints of ILLUMINATE™ MANGANESE per acre during bloom sprays, nut set, summer sprays, and hull split sprays. Repeat in 7 day intervals as needed. (See *Foliar Application Directions For Use* for proper dilution ratios.)

Soil/Water Run: Apply 0.25 - 2.5 gallons of ILLUMINATE™ MANGANESE per acre up to every 7 days during timings of key nutrient demands, in combination with water and any compatible mineral that may be needed.

VEGETABLE CROPS, FIELD AND ROW CROPS

Foliar: Apply 1 - 4 pints of ILLUMINATE™ MANGANESE per acre up to every 7 days during timings of key nutrient demands, in combination with water and any compatible mineral that may be needed. (See *Foliar Application Directions For Use* for proper dilution ratios.)

Soil/Water Run: Apply 0.25 - 2.5 gallons of ILLUMINATE™ MANGANESE per acre up to every 7 days during timings of key nutrient demands, in combination with water and any compatible mineral that may be needed.



WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. www.P65Warnings.ca.gov.

Guaranteed by:
Ultra Gro, LLC
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Madera, CA 93637 (559) 661-0977

NET CONTENTS:

- 5 gallons (18.93 liters)
- 250 gallons (946 liters)

Bulk: _____ gallons, _____ liters

DENSITY: 10.10 pounds per gallon @ 68F°



ULTRA GRO
Ag is Life™