



# NutriSync Magnesium

## 5% Mg

**FOLIAR NUTRIENT**

**GUARANTEED ANALYSIS**  
Magnesium (Mg).....5.00%  
5.00% Water Soluble Magnesium

**Derived from:** Magnesium Sulfate and Magnesium Chloride.

When used as directed this product does not supply all nutrients required by plants and is to supplement a soil fertility program based on soil tests.

Before using this product, read all precautions, directions for use, conditions of sale-limited warranty and limitations of liability and remedies.

**KEEP OUT OF REACH OF CHILDREN**



**WARNING**

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

**STORE IN COOL AND DRY CONDITIONS.**

**GENERAL INFORMATION**

NUTRISYNCO MAGNESIUM is generally compatible with most pesticides, herbicide, fungicides and fertilizer solutions. Add to water before adding pesticides. Test for compatibility by means of a jar test prior to large scale tank mixing. NUTRISYNCO MAGNESIUM is intended for use as a plant nutrient supplement for the correction of magnesium deficiencies. NUTRISYNCO MAGNESIUM is intended for use on all agricultural, horticultural and ornamental crops that require and respond to magnesium nutritional supplements. NUTRISYNCO MAGNESIUM is to be applied as a foliar application through conventional, low-volume, or aerial sprayers. NUTRISYNCO MAGNESIUM may be formulated into NPK fertilizers as a source of magnesium. This product should be stored in a cool, dry area out of direct sunlight.

**NOTE:** When used as directed this product does not supply all nutrients required by plants and is to supplement a fertility program based on soil tests or tissue analysis.

**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.

**EQUIPMENT**

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

**COMPATIBILITY**

NUTRISYNCO MAGNESIUM 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 NUTRISYNCO MAGNESIUM 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.

**APPLICATION DIRECTIONS**

For best results, foliar applications of NUTRISYNCO MAGNESIUM should be made when temperatures are below 90 °F and foliage is dry. Consult your state Agricultural Experiment Station, or Extension Agent for additional information on rates, timing of application and phytotoxic sensitivity of varieties or hybrids.

**MIXING INSTRUCTIONS**

1. Add NUTRISYNCO MAGNESIUM to water and start agitation.
2. Add pesticides or other nutrients.
3. Fill tank and agitate thoroughly.

**RATES: DIRECTIONS FOR USE**

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

**GENERAL RECOMMENDATIONS**

**MILD DEFICIENCY:** Use 1.0 to 2.0 pints per acre.  
**MODERATE TO SEVERE DEFICIENCY:** Use 3.0 to 4.0 pints per acre or as determined by tissue analysis.

**FOLIAR APPLICATION**

**DO NOT** apply this product when the crop is under water stress. Application after irrigation or rainfall is best. Spraying should be carried out on a calm day, but not during strong sunshine. Early morning or late afternoon applications are best. If rainfall occurs within 2 hours after application, it may be necessary to re-spray in 3 to 4 days. A nonionic wetting agent should be added to the spray tank in accordance with the manufacturer's direction, if NUTRISYNCO MAGNESIUM is to be applied alone. If product is to be applied in conjunction with other chemicals which may contain their own wetting agent, then additional wetting agent may not be necessary. If using in conjunction with a hormone type selective weed killer, consult the manufacturer regarding the effect of wetting agents on their herbicide. **DO NOT** apply to trees bearing mature fruit until you have determined that this product will not damage or mark the fruit in any way.

**APPLICATION INSTRUCTIONS**

Crop	Application rate per acre	Application Directions and Timing
(01) Root and Tuber Vegetables including Carrot, Ginseng, Horseradish, Parsley (turnip-rooted), Potato, Radish, Sugar Beet, Sweet Potato, Turnip	2.0 to 6.0 pts	1st: At 2- to 4-true leaf stage. May repeat application at 14- to 21-day interval until harvest. Thorough spray coverage is necessary.
(03) Bulb Vegetables including Garlic, Leek, Onion	1.0 to 4.0 pts	1st: At 3-leaf stage. Repeated applications can be made every 10 to 14 days up until 10 days prior to harvest. Thorough coverage and leaf wetting is required.
(04) Leafy Vegetables including Celery, Head and Leaf Lettuce, Kale and Spinach	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Repeat applications can be made every 10 to 14 days until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.

**Application Instructions Cont'd.**

Crop	Application rate per acre	Application Directions and Timing
(05) Brassica Vegetables including Broccoli, Cabbage, Cauliflower and Mustard greens	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Repeat applications can be made every 10 to 14 days until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(06) Legume Vegetables (Succulent or Dried) including Bean (all types), Peas and Soybeans**	2.0 to 6.0 pts	1st: At 2- to 4-true leaf stage. Repeat applications can be made every 10 to 14 days. Application 10 days before harvest may improve green color and shelf freshness.
(08) Fruiting Vegetables including Eggplant, Pepper and Tomato	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage or after transplant recovery. Repeat applications every 10 to 14 days until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(09) Cucurbit Vegetables including Cantaloupe, Cucumber, Honeydew, Muskmelon, Squash (summer and winter) and Watermelon	2.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Repeat applications can be made every 10 to 14 days until harvest. Application 10 days before harvest may improve green color and shelf freshness. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(10) Citrus Fruit including Grapefruit, Lemon, Lime, Sweet Orange and Tangerine	2.0 to 8.0 pts	Apply prior to spring and summer root flush or when trees show signs of sugar accumulation in the leaves due to inadequate phosphorus mobility. Make repeat applications at 14-day interval as needed. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(11) Pome Fruits including Apple and Pear	2.0 to 6.0 pts	Beginning at petal fall. Continue in cover sprays until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(12) Stone Fruits including Apricot, Cherry, Peach and Plumcot	2.0 to 6.0 pts	Beginning at full leaf emergence. Can repeat as needed every 14 to 21 days until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(13) Berry and Small Fruit including Blackberry, Blueberry, Caneberry, Kiwi, Raspberry and Grape (except Strawberry)	2.0 to 4.0 pts	1st: At full leaf emergence 2nd: Just prior to bloom. Can repeat as needed every 14 to 21 days until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(13) Strawberry	2.0 to 6.0 pts	1st: After transplant recovery. 2nd: 10 to 14 days later before bloom. Can repeat as needed every 14 to 21 days until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(14) Tree Nuts including Almonds, Cashews and Pecans	2.0 to 8.0 pts	Beginning at full leaf emergence. Can repeat as needed every 14 to 21 days until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(15) Cereal Grains including Barley, Corn** (field, pop, sweet), Millet, Oats, Rice, Sorghum and Wheat	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Applications can be made at 14- to 21-day interval up to leaf senescence.
(16) Forage, Fodder and Straw of Cereal Grains	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Applications can be made at 14- to 21-day interval up to leaf senescence.
(17) Grass Forage, Fodder and Hay	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Additional applications between cuttings may improve feed quality and increase stand vigor.

**Application Instructions Cont'd.**

Crop	Application rate per acre	Application Directions and Timing
(18) Nongrass Animal Feeds including Alfalfa, Clover, Hay and Vetch	1.0 to 4.0 pts	Seeding alfalfa, clover, hay and vetch: Apply at 2- to 4-trifoliate stage. For established crop, application at green-up and 5 to 10 days after each cutting has shown significant improvement in feed quality.
(19) Herbs and Spices including Basil, Dill, Mustard and Sage	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Repeated applications can be made every 14 to 21 days until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
(20) Oil Seed Crops including Canola*, Flax and Sunflower	1.0 to 4.0 pts	1st: At 2- to 4-leaf stage. Repeated application can be made every 14 to 21 days until crop senescence.
(22) Stalk, Stem and Leaf Petiole Vegetables, Asparagus, Bamboo Shoots and Celery	1.0 to 4.0 pts	1st: 10 days after emergence. Repeated applications can be made every 14 to 21 days up until harvest. Co-factors in NUTRISYNCO MAGNESIUM perform best with minimum 1% concentration of NUTRISYNCO MAGNESIUM in the final dilution.
Cotton**	2.0 to 6.0 pts	1st: At 2- to 4-true leaf stage. Repeated applications can be made every 14 to 21 days.
Peanut	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Repeated applications can be made every 13 to 21 days. Beginning bloom to beginning seed fill is a critical period.
Sugarcane	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Applications can be made at 14- to 21-day interval up to leaf senescence.
Tobacco	1.0 to 4.0 pts	1st: At 2- to 4-true leaf stage. Repeated applications can be made every 14 to 21 days.
Ornamental and Landscape	1.0 to 4.0 pts	Begin on emergence of spring growth or deficiency symptoms. Repeat every 14 to 21 days as needed. Use minimum 1:200 dilution rate or 0.7 fl oz / gal of spray volume.
Turf	1.0 to 2.0 oz /1000 sq ft	Begin on emergence of spring growth or deficiency symptoms. Repeat every 14 to 21 days as needed. Use minimum 1.0 gal spray solution /1000 sq ft

\*\*Can be tank mixed with glyphosate products registered for use on Roundup Ready® crops.

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

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

**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 above 32 °F/0 °C. 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/>

Tests have not been carried out under all possible use conditions and Seller cannot and does not represent or warrant that the goods are compatible with all other chemicals or under all use conditions.

NUTRISYNCO is a registered trademark of Loveland Products, Inc.  
ROUNDUP READY is a registered trademark of Monsanto Technology LLC.



**WARNING**

This product can expose you to chemicals including nickel, 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: 10.43 lbs/gallon @ 68 °F  
**Liquid Measure:** gallons (        liters)  
**Net Weight:** lbs (        kg)  
Product code: 1000758505



Density: 10.43 lbs/gallon @ 68 °F  
**Liquid Measure:** 250 gallons (946.35 liters)  
**Net Weight:** 2,607.50 lbs (1,182.74 kg)  
Product code: 1000758506

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