

Helena

Ele-Max[®] Precision Nutrition[™] Magnesium FL 4-0-0

Foliar Nutritional Liquid Flowable

GUARANTEED ANALYSIS

Total Nitrogen (N)	4.00%
4.00% Urea Nitrogen	
Magnesium (Mg)	20.00%
0.00% Water Soluble Magnesium (Mg)	

Derived from urea and magnesium hydroxide.

Nutrient content per gallon: 2 lb. 8 oz. Magnesium (Mg).

KEEP OUT OF REACH OF CHILDREN CAUTION

See Below for Additional Precautionary Statements.

SN 1104/1106-LUS2691

WEIGHT PER GAL: 12.6 lbs. (5.72 kg)

NET CONTENTS: 2.5 GAL. (9.46 L) NET WEIGHT: 31 lbs. 8 oz. (14.29 kg)

Information about the components of this lot of fertilizer may be obtained by writing to Helena Chemical Company, 225 Schilling Boulevard, Suite 300, Collierville, TN 38017 and giving the lot number which is found on the container.

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

Contents Made In Great Britain

F224

MANUFACTURED FOR
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TN 38017

A formulated product for the treatment of magnesium deficiency by foliar application.

PRECAUTIONARY STATEMENTS**CAUTION**

BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.

Particles in suspension, entry into eyes may cause irritation. May have a drying effect on skin. Avoid skin and eye contact. Avoid contact with formulated product. May be harmful if ingested. Do not take internally. Avoid contact with or inhalation of the spray mist. Wear suitable gloves and faceshield when handling this product. Do not apply product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling.

WHAT TO DO IN CASE OF CONTACT:

IF IN EYES: Flush eyes with clean water for 15 minutes holding eyelids open. Obtain medical attention if irritation develops.

IF ON SKIN: Remove contaminated clothing and wash skin with soap and water. Call a doctor if irritation persists.

IF SWALLOWED: If conscious, give milk or water to drink. Immediately call a doctor.

IF INHALED: Move to fresh air and call a doctor if irritation develops or persists. If there is contact made with the spray solution containing pesticides and/or spray adjuvants, follow the "Statement of Practical Treatment/First Aid" on the product(s) labeling.

STORAGE AND DISPOSAL

Keep in a cool, dry chemical store, out of reach of children and livestock. Protect from frost. Keep container tightly closed, do not allow water to be introduced to the contents of this container. Store at temperatures above 32°F. Do not contaminate water sources by cleaning of equipment or disposal of spray waste. Dispose of empty containers by triple rinsing with detergent solution or puncture and discard empty containers in a landfill in accordance with current local, state and federal regulations.

GENERAL INFORMATION

Ele-Max[®] Magnesium FL is a formulated treatment for magnesium deficiency in agricultural and horticultural crops, and grasses. This product is recommended for use as a supplement to a well-balanced fertilizer program only. It is not intended nor

implied to be a substitute for sound soil fertilization and good conventional cultural practices. Thorough coverage of foliage is necessary for best results.

For additional information on product or programs or if you are unfamiliar with any of the application methods, contact your local Helena representative or authorized Helena dealer.

Avoid application under extremes of climate, e.g. rapid drying conditions, extremely slow drying conditions, frost, rain, or when frost or rain are anticipated.

DIRECTIONS FOR USE

Shake the container thoroughly before use.

FOLIAR DOSE RATE AND TIMINGS

Apples: 2 quarts/acre after petal fall. Repeat if necessary at 10- to 14-day intervals. In cases of severe deficiency apply also before flowering (around pink bud stage). On russet sensitive varieties delay applications until 6 weeks after petal fall. Water rate: 50 to 100 gallons/acre.

Asparagus: Four to five applications of 1 to 2 quarts/acre during vegetative growth, with repeat applications at 10- to 14-day intervals. Water rate: 20 gallons/acre.

Beans: 2 quarts/acre when crop is 4 to 6" tall. For moderate to severe deficiency repeat applications at 10- to 14-day intervals. Water rate: 20 gallons/acre.

Blackcurrants: 2 quarts/acre. Two applications a) Full flower, b) First fruit set. Water rate: 50 gallons/acre.

Blueberries: 2 quarts/acre applied 10 days after petal fall has finished. Bushes being grown for a second cropping year should receive the fruiting year program again. Water rate: 100 gallons/acre.

Canola: For a single application, 2 quarts/acre at onset of stem extension. For moderate deficiency, 2 quarts/acre at 4- to 6-leaf stage and 2 quarts/acre at onset of stem extension. An extra application can be made 10 to 14 days later for severe deficiency. Avoid flowering. Water rate: 20 gallons/acre.

Carrots (field grown): 2 quarts/acre when crop is 5 inches tall. For moderate to severe deficiency repeat applications at 10- to 14-day intervals. Water rate: 20 gallons/acre.

Cereals: 2 quarts/acre from 2 leaf stage to first node detectable (Zadock's G.S. 12 to 31). For moderate to severe deficiency repeat applications at 10- to 14-day intervals. A further application at up to 4 pints/acre at flag leaf ligule just visible to anthesis complete (Zadock's G.S. 39 to 69) for milling quality wheats. Water rate: 20 gallons/acre.

Citrus: 2 quarts/acre from 2/3 of new leaf development in the spring. For moderate to severe deficiency repeat application 10 to 14 days later. Also, 1 to 2 quarts/acre applied during autumn flush. Repeat 10 to 14 days later if necessary. Water rate: 20 gallons/acre.

Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Calabrese, Cauliflower): 2 quarts/acre at 4- to 6-leaf stage, with repeat applications at the above rate at 10- to 14-day intervals for moderate to severe deficiency. Water rate: 20 gallons/acre.

Corn: 2 quarts/acre at 4- to 6-leaf stage. Water rate: 20 gallons/acre.

Cranberries: 2 quarts/acre applied at hook stage or early bloom. Water rate: 50 gallons/acre.

Cucurbits (field grown): 2 quarts/acre at 4-leaf stage. Repeat if necessary 10 to 14 days later. Water rate: 20 gallons/acre.

Ginseng: 2 quarts/acre applied once new season growth is well underway. Repeat applications at 10- to 14-day intervals may be necessary for moderate to severe deficiency. Water rate: 50 gallons/acre.

Leeks: 2 quarts/acre. Two weeks after transplanting or in the case of direct sown crops, when the crop is 15 cm tall. For moderate to severe deficiency, one or two repeat applications may be necessary at 10- to 14-day intervals. Water rate: 20 gallons/acre.

Lettuce (field grown): 2 quarts/acre 10 to 14 days after transplanting or emergence. For moderate to severe deficiency repeat applications at 10- to 14-day intervals. Water rate: 50 gallons/acre.

Onions (Field grown): 2 quarts/acre two weeks after transplanting, or in the case of direct sown crops, when the crop is 6" tall. Repeat applications at 10- to 14-day intervals. Water rate: 20 gallons/acre.

Ornamentals: Two and half gallons (2.5 gals) in 100 gallons water (2.5% v/v) as soon as there is sufficient leaf area to obtain thorough coverage. Repeat at 10- to 14-day intervals as necessary. Avoid applications during flowering. Spray a maximum of three applications per crop per annum. **Note: Do not apply within one month of picking/marketing.** Maximum water rate: 20 gallons/acre.

Peanuts: 1 to 2 quarts/acre from 4 leaves to the start of flowering. Water rate: 3 to 20 gallons/acre.

Pears: 2 quarts/acre after petal fall. Repeat if necessary at 10- to 14-day intervals. In cases of severe deficiency apply also before flowering (around pink bud stage). On russet sensitive varieties delay applications until 6 weeks after petal fall. Water rate: 50 to 100 gallons/acre.

Peas: 2 quarts/acre at 4 to 6" stage. For moderate to severe deficiency repeat applications at 10- to 14-day intervals. Water rate: 20 gallons/acre.

Potatoes: 2 quarts/acre 1 week after 100% emergence and following petiole analysis during tuber bulking. For moderate to severe deficiency, repeat applications at 10- to 14-day intervals. Water rate: 20 gallons/acre.

Raspberries: 2 quarts/acre at start of flowering. Water rate: 50 gallons/acre.

Sorghum: 2 quarts/acre at the 4- to 6-leaf stage. Water rate: 3 to 20 gallons/acre.

Soybeans: 2 quarts/acre when crop is 2 to 6 inches tall, repeated at 10- to 14-day intervals if necessary. Water rate: 3 to 20 gallons/acre.

Stone Fruit (Apple, Cherry, Nectarine, Peach, Plum): 2 quarts/acre at fruit set. If necessary a second application may be made 10 to 14 days later. Also, 2 quarts/acre after harvest but before leaf senescence. Water rate: 50 to 100 gallons/acre.

Strawberries (field grown): 2 quarts/acre at green bud. Repeat if necessary at 10- to 14-day intervals. Water rate: 50 gallons/acre.

Sugar Beets: 2 quarts/acre at 4- to 6-leaf stage. For moderate to severe deficiency repeat applications at 10- to 14-day intervals. Water rate: 20 gallons/acre.

Sunflowers: 2 quarts/acre at 4 to 8 pairs of leaves. For moderate to severe deficiency repeat application 10- to 14-days later. Water rate: 20 gallons/acre.

Tomatoes (field grown): 2 quarts/acre at 4- to 6-leaf stage onwards. Repeat if necessary at 10- to 14-day intervals. Water rate: 50 gallons/acre.

Turf: 1.5 to 3.0 fl. oz./1,000 sq. ft. Apply as soon as growth commences in the spring and repeat at 10- to 14-day intervals as necessary. Water rate: 0.5 gallons/1,000 sq. ft.

Vines: 2 quarts/acre at flower buds visible, flower buds separated and fruit set. For grape stalk necrosis: 3 to 8 pints/acre at pea sized berries, start of veraison and 1 month before harvest. Water rate: 50 gallons/acre.

For further approved recommendations for this product, please visit www.megalab.net/elemaxlabels and enter 69950124.

MIXING INSTRUCTIONS

Prior to any fertilizer or pesticide application all spray mixing and application equipment must be cleaned. A tank cleaner such as **WipeOut**® is recommended. Carefully observe all cleaning directions on the pesticide label. **Tank Mixing:** Read ALL product labels carefully and adhere strictly to the instructions for use and advice regarding whether or not products should be tank mixed. Many variables, outside the control of Helena Chemical Company, can influence the performance of tank-mixed products and therefore tank mixing of **Ele-Max**® products is entirely at the risk of the end-user. A limited crop area only should be treated initially when using unfamiliar tank mixes. Before tank mixing you, or your advisor, must visit www.tankmix.com/elemax for important information. Alternatively contact Helena Chemical Company for specific information and limits to our liability. Fill the spray or mix tank one half full of water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:

1. Micronutrients and Fertilizers
2. Compatibility agents
3. Dry flowables or water dispersible granules
4. Wettable powders
5. Flowables
6. Water based solutions
7. Emulsifiable concentrates
8. Spray adjuvants

CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale—Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

This label is believed to be reliable and should be followed carefully. Injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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Disclaimer: Always refer to the label **on the product** before using Helena or any other product.

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