

Helena

Ele-Max[®] Precision Nutrition[®] Phos-K-Mag LS 0-29-5

Foliar Nutritional Liquid Solution

GUARANTEED ANALYSIS

Available Phosphate (P ₂ O ₅)	29.00%
Soluble Potash (K ₂ O)	5.00%
Magnesium (Mg)	4.10%
4.10% Water Soluble Magnesium (Mg)	

Derived from phosphoric acid, magnesium phosphate, potassium chloride and potassium phosphate.

Chlorine (Cl), Maximum 3.00%

Nutrient content per gallon: 3 lb. 9 oz. P₂O₅, 9.87 oz. K₂O, 8 oz. Mg

KEEP OUT OF REACH OF CHILDREN
CAUTION

See Inside Panel for Additional Precautionary Statements

SN 1104/0705-LUS3451

WT. PER GAL: 12.04 lbs (5.47 kg)

NET CONTENTS: 2.5 GAL. (9.46 L)

NET WEIGHT: 30 lbs. 13 oz. (13.98 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 and phosphorus deficiencies 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.

May be irritating to eyes and skin. This concentrate is acidic and should be handled with caution. Avoid splashing in eyes or onto exposed skin. Wear suitable gloves and faceshield when handling this product. Avoid contact with formulated product. May be harmful if ingested. Do not take internally. Avoid contact with or inhalation of the spray mist. Do not apply this 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: Wash eyes thoroughly with water for at least 15 minutes and get medical attention immediately.

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

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. 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. 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

Phos-K-Mag LS is a formulated treatment for phosphorus and magnesium deficiency in potatoes, fruit, and other crops. This product may be applied using **Database and format copyright © by Vance Communication Corporation. All rights reserved.**

a variety of agricultural application equipment and techniques. This product is recommended for use as a supplement to a regular fertilizer program only. It is not intended nor implied to be a substitute for sound soil fertilization and good conventional cultural practices. 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.

Ground Applications: This product may be applied by conventional ground rig in volumes ranging from full dilute to concentrate.

Fertigation: This product may be applied in overhead irrigation systems. Do not apply with more than ¼ inch water.

Drip Irrigation: This product may be injected into drip irrigation systems.

FOLIAR DOSE RATE AND TIMINGS

Apples: 4 to 6 applications of 2 quarts/acre from the end of flowering. Repeat applications at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.

Beans: 1 to 2 quarts/acre when crop is 6 inches tall. Repeat if necessary at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.

Blueberries: 2 quarts/acre 10 days after petal fall has finished. Water rate: 100 gallons/acre.

Canola: For a single application, 1½ to 2 quarts/acre at onset of stem extension. For moderate deficiency, 1½ to 2 quarts/acre at 4 to 6 leaf stage and 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.

Cereals: 2 quarts/acre at tillering. Repeat at 10 to 14 day intervals if necessary. Also apply from ear emergence until the end of flowering (Zadok's G.S. 51 to 69). Water rate: 20 gallons/acre.

Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Calabrese, Cauliflower): 2 quarts/acre applied soon after transplanting. Water rate: 20 gallons/acre.

Corn: 2 quarts/acre at 4 to 8 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 3 to 20 gallons/acre.

Cotton: 2 quarts/acre at the start of flowering. Water rate: 5 to 20 gallons/acre.

Cranberries: 2 quarts/acre at full fruit set, with repeat applications at 14 day intervals. Water rate: 50 gallons/acre.

Ginseng: 2 quarts/acre 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: 20 gallons/acre.

Grapes (Table, Raisin, Wine): 1½ to 2 quarts/acre at flower buds separated, fruit set, grape expansion and early veraison/one month before harvest. Water rate: 20 gallons/acre.

Lettuce (field grown): 2 quarts/acre. Apply 10 to 14 days after transplanting or emergence. One or two repeat applications may be made at 10 to 14 day intervals. Water rate: 50 gallons/acre.

Melons: 1½ to 2 quarts/acre at start of flowering. Repeat at 10 to 14 day intervals if necessary. Water rate: 50 gallons/acre.

Oilseed (Rape): For a single application, 1 to 2 quarts/acre at onset of stem extension. For moderate deficiency, 1 to 2 quarts/acre at 4 to 6 leaf stage and at onset of stem extension. An extra application can be made 10 to 14 days later for severe deficiency. Avoid flowering. Water rate: 3 to 20 gallons/acre.

Onions (field grown): 2 quarts/acre. Apply when the foliage is 6" tall, with a second application 10 to 14 days later if necessary. Water rate: 3 to 20 gallons/acre.

Ornamentals: 1.875 gallons in 100 gallons water (1.875% v/v) as soon as there is sufficient leaf area to obtain thorough coverage. Repeat at 10 to 14 day intervals as necessary. Avoid application during flowering. Spray a maximum of three applications per crop per annum. Maximum water rate: 20 gallons/acre.

Pears: 4 to 6 applications of 2 quarts/acre from the end of flowering. Repeat applications at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.

Peas: 1 to 2 applications of 2 quarts/acre when the crop is 4 to 6" tall. Allow 10 to 14 days between applications. Water rate: 3 to 20 gallons/acre.

Peppers (field grown): 1 pint in 45 gallons before transplanting. Water rate: 100 gallons/acre maximum.

Potatoes: To increase tuber size: A minimum of 2 applications of 2 quarts/acre during tuber bulking (as soon as first formed tubers are ½" in diameter) and following petiole analysis during tuber bulking. Allow 10 to 14 days between applications. Water rate: 20 gallons/acre.

Sorghum: 2 quarts/acre at 4 to 8 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 3 to 20 gallons/acre.

Soybeans: 1 to 2 quarts/acre when crop is 6 inches tall. Repeat if necessary at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.

Squash, Cucurbits (field grown): 2 quarts/acre at 4 leaf stage. Repeat if necessary 10 to 14 days later. Water rate: 50 gallons/acre.

Stone Fruit (Apricots, Cherries, Nectarines, Peaches, Plums): 2 to 5 applications of 1½ to 2 quarts/acre from petal fall. Repeat applications at 10 to 14 day intervals. Water rate: 100 gallons/acre.

Strawberries (field grown): Non-everbearing varieties: 3 applications of 2 quarts/acre from start of flowering. Repeat applications at 7 to 10 day intervals. Everbearing varieties: 6 applications of 2 quarts/acre. Do not apply successive applications at less than 10 to 14 day intervals. Water rate: 50 gallons/acre.

Sugar Beets: 1 to 2 quarts/acre at the 4 to 6 leaf stage. For moderate to severe deficiency, repeat at 10 to 14 day intervals. Water rate: 20 gallons/acre.

Tobacco: NOT FOR USE IN THE STATE OF NORTH CAROLINA. Two applications of 1½ to 2 quarts/acre two to three weeks after transplanting (3 to 4 leaf stage) with 10 days between applications. Water rate: 40 gallons/acre.

Tomatoes (field grown): 2 quarts/acre. Apply at the 4 to 6 leaf stage with repeat applications at 10 to 14 day intervals if necessary. Water rate: 3 to 50 gallons/acre.

Turf: 1.468 fl. oz./1000 sq. ft. Apply as soon as growth commences in the spring and repeat at 10 to 14 day intervals as necessary.

Buffering agent:

Use 4 oz. to 3 pints per 100 gallons as required to lower pH and offset the effect of alkaline water on insecticides, growth regulators and foliar nutrients.

For further approved recommendations for this product, please visit www.megalab.net/elemaxlabels and enter 09873184.

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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