



# PhosCal LC

## 3-23-0

Foliar Nutritional Liquid Concentrate

### GUARANTEED ANALYSIS

Total Nitrogen (N) .....	3.00%
2.00% Ammoniacal Nitrogen	
1.00% Nitrate Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	23.00%
Calcium (Ca) .....	3.00%

Derived from ammonium nitrate, calcium phosphate, ammonium phosphate, phosphoric acid.

Nutrient content per gallon: 5 oz. N, 2 lb. 8.2 oz. P<sub>2</sub>O<sub>5</sub>, 5 oz. Ca

KEEP OUT OF REACH OF CHILDREN

### DANGER

May be harmful if swallowed  
 May be harmful in contact with skin  
 Causes severe skin burns and eye damage  
 May be harmful if inhaled



WT. PER GAL: 10.92 lbs (4.59 kg) SN 050115/0815G

NET CONTENTS: 2.5 gal. (9.46 L) NET WEIGHT: 27 lbs. 5 oz. (12.39 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  
 901-761-0050

A formulated product for the treatment of calcium and phosphorus related disorders in fruit and other crops.

### PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER

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

May be harmful if swallowed. May be harmful in contact with skin. Causes serious eye damage. Causes severe skin burns and eye damage. May be harmful if inhaled. Keep product locked up and out of the reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco.

Remove and wash contaminated clothing before reuse. Do not take internally. Avoid contact with or inhalation of spray application mist if present. 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. Not for human or animal consumption.

**Personal Protective Equipment (PPE):** Wear protective eyewear (goggles or face shield), chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks when using this product. Take off any contaminated clothing and wash before reuse.

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> <li>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF SWALLOWED:	<ul style="list-style-type: none"> <li>Call a POISON CENTER or doctor immediately.</li> <li>Rinse mouth. Do NOT induce vomiting.</li> <li>Do not give anything by mouth to an unconscious person.</li> <li>Immediately call a POISON CENTER or doctor.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>Move person to fresh air and keep at rest in a position comfortable for breathing if they feel unwell.</li> <li>If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a POISON CENTER or doctor for treatment advice.</li> </ul>
IF ON SKIN OR HAIR:	<ul style="list-style-type: none"> <li>Take off immediately all contaminated clothing. Rinse skin with water or shower.</li> <li>Get medical attention if irritation develops or persists.</li> <li>Wash contaminated clothing before reuse.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate. Keep locked up and out of the reach of children.

**CONTAINER DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading and add rinse water to spray tank. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org). Decontaminated containers may also be disposed of in a sanitary landfill.

For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

### GENERAL INFORMATION

When Ele-Max® Clear Cal® spray is used in conjunction with PhosCal LC, overall product performance may be improved and firmer fruit may be obtained. In some circumstances, this can be beneficial to the stability of compatible pesticides when tank is mixed with PhosCal LC. When used at standard application and dilution rates PhosCal LC is compatible with a wide range of agrichemicals.

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.

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, frost, rain, or when frost or rain are anticipated.

In Virginia, this lawn/turf fertilizer contains phosphorous and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or renovated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not for the routine maintenance of turf.

### DIRECTIONS FOR USE

**Shake the container thoroughly before use.**

When combining PhosCal LC with Ele-Max® Clear Cal®, the recommended application rate is 1 gallon Ele-Max® Clear Cal® and ½ gallon PhosCal LC per acre in at least 100 gal/acre water. PhosCal LC is acidic.

**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:** 3 to 8 applications of 4 quarts/acre at 10- to 14-day intervals commencing at petal fall. Water rate: 50 to 100 gallons/acre.

**Apricot, Cherry, Nectarine:** 2 to 5 applications of 4 quarts/acre at 7- to 14-day intervals commencing at petal fall. Water rate: 50 to 100 gallons/acre.

**Asparagus:** 3 applications of 2 quarts/acre applied to ferns prior to senescence. Water rate: 3 to 20 gallons/acre.

**Blackcurrants:** 3 applications of 4 quarts/acre. 50% fruit set, 100% fruit set; and fruit swelling. Water rate: 50 gallons/acre.

**Blueberries:** 4 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:** 4 quarts/acre at onset of stem extension. If appropriate, consider a second application 10 to 14-days later. Water rate: 20 gallons/acre.

**Carrots (field grown):** 2 quarts/acre. 2 to 3 applications when crop is 6 inches tall and at 7- to 10-day intervals. Water rate: 20 gallons/acre.

**Cereals:** 2 quarts/acre at tillering. Repeat at 10- to 14-day intervals if necessary. Water rate: 20 gallons/acre.

**Citrus:** 4 quarts/acre at fruit set with 1 to 2 further applications at 10- to 14-day intervals. Water rate: 50 to 100 gallons/acre.

**Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Calabrese, Cauliflower):** 2 to 3 applications of 4 quarts/acre from stem extension/head development at 7- to 14-day intervals. Water rate: 50 gallons/acre.

**Corn:** 2 quarts/acre at 4 to 8 leaf stage. Water rate: 20 gallons/acre.

**Cotton:** 2 quarts/acre from 10% flowering at 14-day intervals. Water rate: 30 gallons/acre.

**Cranberries:** 1 gallon/acre at fruit set, "Pinhead". Water rate: 50 gallons/acre.

**Cucurbits (field grown):** 3 to 5 applications of 2 quarts/acre at 7-day intervals commencing at fruit set. Water rate: 30 gallons/acre.

**Ginseng:** 2 quarts/acre applied once the 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.

**Lettuce (field grown):** 2 to 3 applications of 2 quarts/acre commencing 10- to 14-days after transplanting or emergence with 7- to 10-day intervals between applications. Water rate: 50 gallons/acre.

**Melons (field grown):** 1-½ to 2 quarts/acre at start of flowering. Repeat at 10- to 14-day intervals if necessary. Water rate: 50 gallons/acre.

**Oilseed Rape:** 4 quarts/acre at the onset of stem extension. If appropriate, consider a second application 10- to 14-days later. Water rate: 3 to 20 gallons/acre.

**Onion (field grown):** 1 to 2 applications of 2 quarts/acre during bulb filling, with a 10- to 14-day interval between sprays. Water rate: 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.

**Peach, Plum:** 2 to 5 applications of 4 quarts/acre at 7- to 14-day intervals commencing at petal fall. Water rate: 50 to 100 gallons/acre.

For red coloration: **PhosCal LC** at 4 quarts/acre in 100 gallons water has been shown to enhance red coloration. **PhosCal LC** should be applied alone and not mixed with agrichemicals. One or two applications (7 days apart) should be made once the fruit has started to change color, normally 2 to 3 weeks before harvest.

**Pears:** 3 to 8 applications of 4 quarts/acre at 10- to 14-day intervals commencing at petal fall. Water rate: 50 gallons/acre.

**Peas:** 2 quarts/acre before flowering. Water rate: 3 to 20 gallons/acre.

**Pepper (field grown):** Up to 4 applications of 2 quarts/acre commencing from flowering on second truss. Repeat at 10- to 14-day intervals. Water rate: 50 gallons/acre.

**Potatoes:** To increase tuber size: A minimum of 2 applications of 2 to 4 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.

**Raspberries:** 3 applications of 4 quarts/acre. Start of flowering, end of flowering, and fruit development. Water rate: 50 gallons/acre.

**Strawberry (field grown):** Non-everbearing varieties: 3 applications of 4 quarts/acre from start of flowering. Repeat applications at 7- to 10-day intervals. Everbearing varieties: Divide a total rate of 12 quarts/acre into 6 applications of 2 quarts/acre. Do not apply successive applications at intervals of less than 10- to 14-days. Water rate: 50 gallons/acre.

**Sugar Beet:** 2 quarts/acre at 4 to 6 leaf stage. For moderate to severe deficiency, repeat applications should be made at the above rate at 10- to 14-day intervals. Water rate: 20 gallons/acre.

**Sunflower:** 2 quarts/acre at the 3 to 4 leaf stage. Water rate: 20 gallons/acre.

**Tomato (field grown):** 2 to 4 applications of 2 quarts/acre commencing either from the 4 to 6 leaf stage or from flowering on second truss. Repeat at 10- to 14-day intervals. 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.

**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.**

**Vines:** 4 quarts/acre at fruit set and repeated 2 to 3 times at 10- to 14-day intervals: Water rate: 50 gallons/acre.

For further approved recommendations for this product, please visit [www.megalab.net/elemaxlabels](http://www.megalab.net/elemaxlabels) and enter 59900114.

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#### 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. 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

For information on tank mixability of this product, please visit [www.tankmix.com/elemax](http://www.tankmix.com/elemax).

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#### 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 must 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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