



# Foliar Phosphite

## 4-30-20

THIS PRODUCT IS **NOT** FOR SALE OR USE IN CALIFORNIA, GEORGIA, IDAHO, ILLINOIS, INDIANA, KENTUCKY, MICHIGAN, MINNESOTA, NEW MEXICO, NORTH CAROLINA, OKLAHOMA, OREGON, PENNSYLVANIA, TEXAS OR WASHINGTON STATE.

### GUARANTEED ANALYSIS

Total Nitrogen (N) .....	4.00%
4.00% Urea Nitrogen	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ) (AOAC Method 960.02) .....	30.00%
Soluble Potash (K <sub>2</sub> O) .....	20.00%
Derived from urea, potassium hydroxide and phosphorous acid.	

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**See Inside Panel for Additional Precautionary Statements**

SN 0606/0907

NET CONTENTS:

2.5 gal. (9.46 L) Jug  
2 x 2.5 gal. (2 x 9.46 L) Case  
Net Wt.: 29.93 lbs. (13.57 kg) Jug  
59.85 lbs. (27.15 kg) Case

55 gal. (208.19 L)  
Net Wt.: 658.35 lbs. (298.63 kg)

5 gal. (18.93 L)  
Net Wt.: 59.85 lbs. (27.15 kg)

Bulk \_\_\_\_\_  
Wt. Per Gal. 11.97 lbs (5.43 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>.

**F224**  
**MANUFACTURED FOR**  
**HELENA CHEMICAL COMPANY**  
**225 SCHILLING BOULEVARD, SUITE 300**  
**COLLIERVILLE, TN 38017**

PEEL BACK BOOK HERE AND RESEAL AFTER OPENING

A formulated product for the treatment of Nitrogen, Phosphate and Potash deficiencies by foliar and soil applications.

## 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 cause irritation. May cause skin irritation. May be harmful if ingested. Avoid skin and eye contact. Wear suitable gloves and faceshield when handling this product. 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 SWALLOWED:** If conscious, give milk or water to drink. Immediately call a doctor.  
**IF IN EYES:** Flush eyes with clean water for 15 minutes, holding eyelids open. Obtain medical attention immediately.  
**IF ON SKIN:** Remove contaminated clothing and wash skin thoroughly with soap and water. Obtain medical attention immediately.  
**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" 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

**Foliar Phosphite** is a formulated treatment for Nitrogen, Phosphate and Potash deficiencies in a wide range of vegetable, permanent and ornamental crops and in turf. Applications of **Foliar Phosphite** can be beneficial to plant growth, including root development, flowering, and transplant establishment. This product may be applied through various application equipment and techniques, including air, ground and conventional sprayers. This product, and phosphorous acid products, are intended to be used as a supplement to a well balanced fertilizer treatment program. It is not intended to be a substitute for sound soil fertilization and conventional cultural practices. Thorough coverage of foliage is necessary for best results when used as a foliar treatment.

Upon foliar application, the phosphite ions are taken up directly by the plant foliage and may undergo a degree of conversion to phosphate ions, or will be used directly by the plants as phosphite ions. Avoid foliar application under extremes of climate, e.g. rapid drying conditions, extremely slow drying conditions, frost, rain, or when frost or rain are anticipated. As a soil application to annual crops, a lesser response from the initial crop, with a corresponding superior response from succeeding crops, may be observed. In addition, placement close to seeds or root zones may be injurious to crops. The effect may be aggravated by a soil pH below 6.5. For additional information on product or programs or if you are unfamiliar with any of the application methods, contact your local Helena Chemical Company representative or authorized Helena dealer.

**It is not recommended to use additional surfactants and/or adjuvants with this product.**

### DIRECTIONS FOR USE

**Precaution:** **Foliar Phosphite** is a highly concentrated material. Exercise precautions to prevent potential root or foliar injury (including burning), plant media pH changes, irrigation system or injector system damage. If applying **Foliar Phosphite** or in combination with other materials, a compatibility test is recommended to avoid potential incompatibilities. Prior to the addition of **Foliar Phosphite** to a spray mix, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial. **Do not mix with fixed copper or copper based fungicides if the pH of the spray solution is below 6 pH.** Use sufficient water to ensure thorough coverage.

**It is not recommended to use additional surfactants and/or adjuvants with this product.**

#### GROUND APPLICATION

##### VEGETABLE CROPS

###### Suggested Rates:

**Beans:** 1 pint to 4 pints/acre per application. First application after thinning or second true leaf stage, subsequent applications at

10- to 14-day intervals as required. A 2% solution application, or for each 1 pint/acre **Foliar Phosphite**.  
**Cole Crops (Broccoli, Brussels Sprouts, Cabbage):** 1 pint to 4 pints/acre per application. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Lettuce, Spinach, Other Leafy Vegetables:** 1 pint to 4 pints/acre per application. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Cucurbits - Cucumbers, Melons:** 1 pint to 4 pints/acre per application. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Peas:** 1 pint to 4 pints/acre per application. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Potatoes, Root, Bulb or Tuber Crops:** 1 pint to 4 pints/acre per application. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Strawberries:** 1 pint to 4 pints/acre per application. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Sugarbeets:** 1 pint to 4 pints/acre. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Tomatoes, Peppers, Eggplant:** 1 pint to 4 pints/acre per application. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

#### GROUND APPLICATION

##### FIELD CROPS

###### Suggested Rates:

**Corn:** 1 to 4 pints per acre.

**Cotton:** 1 to 4 pints per acre.

#### GROUND APPLICATION

##### PERMANENT CROPS

###### Suggested Rates:

**Apples, Pears (Pome Fruit):** 1 pint to 4 pints/acre per application. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

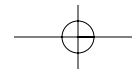
**Almonds:** 1 pint to 4 pints/acre, first application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Avocado:** 1 pint to 4 pints/acre, first application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Caneberries, Blackberries, Raspberries & Other Small Fruits:** 1 pint to 4 pints/acre per application. First application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Citrus:** 1 pint to 4 pints/acre, first application after thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Grapes:** 1 pint to 4 pints/acre. [Table Grapes:](#) App



## foliar and soil applications.

10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite**, add 6-1/4 gallons water per acre.

**Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Calabrese, Cauliflower):** 1 pint to 4 pints/acre per application. First application post transplanting, thinning, or second true leaf stage, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Lettuce, Spinach, Other Leafy Vegetables:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite**, add 6-1/4 gallons water per acre.

**Cucurbits - Cucumbers, Melons:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Peas:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Potatoes, Root, Bulb or Tuber Crops:** 1 pint to 4 pints/acre per application. First application post transplanting, or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Strawberries:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Sugarbeets:** 1 pint to 4 pints/acre. First application post-transplant or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** and 6-1/4 gallons water per acre.

**Tomatoes, Peppers, Eggplant:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

## GROUND APPLICATION FIELD CROPS

### Suggested Rates:

**Corn:** 1 to 4 pints per acre.

**Cotton:** 1 to 4 pints per acre.

## GROUND APPLICATION PERMANENT CROPS

### Suggested Rates:

**Apples, Pears (Pome Fruit):** 1 pint to 4 pints/acre, first application at green tip, subsequent treatments at 30-day intervals or as needed. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Almonds:** 1 pint to 4 pints/acre, first application at green tip, subsequent treatments at 30-day intervals up to nut fill or as needed. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Avocado:** 1 pint to 4 pints/acre, first application at prebloom, subsequent treatments at 30-day intervals or as needed. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Caneberries, Blackberries, Raspberries & Others:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30-day intervals or as needed. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Citrus:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30-day intervals or as needed. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Grapes:** 1 pint to 4 pints/acre. Table Grapes: Apply first application at bloom, subsequent applications at bunch pre-closing, veraison

and two to three weeks prior to harvest applications at bunch pre-closing, **Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite**, add 6-1/4 gallons water per acre.

**Hops:** 2 pints to 4 pints/acre. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Kiwi Fruit:** 1 pint to 4 pints/acre, first application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Olives:** 1 pint to 4 pints/acre, first application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Plums, Peach (Stone Fruit):** 1 pint to 4 pints/acre, first application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Walnuts & Other Nut Crops:** 2 pints to 4 pints/acre, first application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite**, add 6-1/4 gallons water per acre.

## AERIAL APPLICATION VEGETABLE CROPS

### Suggested Rates:

**Beans:** 1 pint to 4 pints/acre per application. First application post-transplant or thinning, subsequent applications at 10- to 14-day intervals as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kale, Kohlrabi, Turnips):** 1 pint to 4 pints/acre per application. First application post transplanting, or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Lettuce, Spinach, Other Leafy Vegetables:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Cucurbits - Cucumbers, Melons:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Peas:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Potatoes, Root, Bulb or Tuber Crops:** 1 pint to 4 pints/acre per application. First application post transplanting, or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Strawberries:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

**Sugarbeets:** 1 pint to 4 pints/acre per application. First application post-transplant or thinning, subsequent applications at 10- to 14-day intervals as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Tomatoes, Peppers, Eggplant:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

## AERIAL APPLICATION FIELD CROPS

### Suggested Rates:

**Corn:** 1 to 4 pints per acre.

**Cotton:** 1 to 4 pints per acre.

## AERIAL APPLICATION PERMANENT CROPS

### Suggested Rates:

**Apples, Pears (Pome Fruit):** 1 pint to 4 pints/acre, first application at green tip, subsequent treatments at 30-day intervals or as needed. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Foliar Phosphite** add 6-1/4 gallons water per acre.

## CONDITIONS OF SALE—LIMITED

Use this product in such a manner as to avoid injury to plants, animals, or humans. Wear suitable gloves and eye protection. Do not use in or near water bodies. Follow all precautionary statements on the label. Do not use in or near water bodies. Do not use in or near water bodies.

Obtain medical attention immediately. Obtain medical attention immediately.

See the "Statement of Practical Use" on the label for more information.

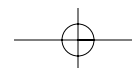
Keep container tightly closed. Do not use if contents are contaminated. Do not use if contents are contaminated.

Use on a wide range of vegetable, permanent and annual crops, including root development, flowering and techniques, including air, used as a supplement to a well established conventional cultural practices.

Use on a wide range of vegetable, permanent and annual crops, including root development, flowering and techniques, including air, used as a supplement to a well established conventional cultural practices.

Use on a wide range of vegetable, permanent and annual crops, including root development, flowering and techniques, including air, used as a supplement to a well established conventional cultural practices.

Use on a wide range of vegetable, permanent and annual crops, including root development, flowering and techniques, including air, used as a supplement to a well established conventional cultural practices.





st application at approximately 5% bloom, subse-  
o harvest, or as needed. A 2% solution of **Foliar**  
n, or for each 1 pint/acre **Foliar Phosphite** add

, subsequent applications at 8 inches to 10 inches  
A 2% solution of **Foliar Phosphite** by spray vol-  
**iar Phosphite**, add 6-1/4 gallons water per acre.  
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foliar application, or for each 1 pint/acre **Foliar**

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**Almonds:** 1 pint to 4 pints/acre, first application at green tip, subsequent treatments at 30-day intervals or as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Avocado:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30-day intervals or as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Caneberries, Blackberries, Raspberries & Others:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30-day intervals or as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Citrus:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30-day intervals or as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Grapes:** 1 pint to 4 pints/acre. **Table Grapes:** Apply first application at bloom, subsequent applications at bunch pre-closing, veraison and two to three weeks prior to harvest, or as needed. **Wine Grapes:** Apply first application at approximately 5% bloom, subsequent applications at bunch pre-closing, veraison and two to three weeks prior to harvest, or as needed. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Hops:** Apply 2 pints to 4 pints/acre. First application at 1 inch to 4 inches of shoot growth, subsequent applications at 8 inches to 10 inches of shoot growth and 5 feet to 6 feet after trellising, and during bloom, or as needed. Dilute 2 pints to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Kiwi Fruit:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30-day intervals or as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Olives:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30-day intervals or as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Plums, Peach (Stone Fruit):** 1 pint to 4 pints/acre, first application at green tip or pink bud, subsequent treatments at 30-day intervals or as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

**Walnuts & Other Nut Crops:** 1 pint to 4 pints/acre, first application at green tip, subsequent treatments at 30-day intervals or as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

#### **APPLICATION THROUGH IRRIGATION VEGETABLE CROPS**

##### **Suggested Rates:**

**Beans:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Calabrese, Cauliflower):** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Lettuce, Spinach, Other Leafy Vegetables:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Cucurbits – Cucumbers, Melons:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

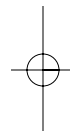
**Peas:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume.*

**Potatoes, Root, Bulb or Tuber Crops:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Strawberries:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Sugarbeets:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Tomatoes, Peppers, Eggplant:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning, subsequent applications at 10- to 14-day intervals as required. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*



**APPLICATION THROUGH IRRIGATION****PERMANENT CROPS****Suggested Rates:**

**Apples, Pears (Pome Fruit):** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Almonds:** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Avocado:** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Caneberries, Blackberries, Raspberries & Others:** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Citrus:** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Grapes:** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Kiwi Fruit:** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Olives:** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Plums, Peach (Stone Fruit):** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**Walnuts & Other Nut Crops:** 2 pints to 4 pints/acre, first application with the first spring irrigation, subsequent treatments at three-month intervals or as needed. *Do not exceed 2 gallons Foliar Phosphite per 100 gallons water or 2% by volume per application.*

**APPLICATION TO TURF, ORNAMENTALS, NURSERY, COMMERCIAL LANDSCAPE AND GOLF COURSES**

**Foliar Phosphite** may be applied through various application equipment including air, ground, and conventional sprayers at 10 to 500 gallons of water per acre. For each pint of **Foliar Phosphite**, use 6-1/4 gallons of water per 1,000 sq. ft. A 2% solution of **Foliar Phosphite** by spray volume is the maximum permissible rate for foliar applications.

**Suggested Rates:****Evergreen Species (including trees, shrubs, foliage plants)**

**Propagule:** Prior to planting, temporarily immerse cutting(s) into a 0.5% v/v solution (6.4 oz. per 10 gal. water).

**Transplanting:** Prior to transplanting apply as a foliar spray using a 0.5% v/v solution or temporarily immerse the transplant tray in a 0.5% v/v solution (6.4 oz. per 10 gal. water).

**Plant Health Program:** Apply as a foliar application on a 10- to 14-day schedule or as necessary to maintain plant vigor using a 0.5% v/v solution (6.4 oz. per 10 gal. water).

**Deciduous Species (including trees, shrubs, foliage plants)**

**Propagule:** Prior to planting, temporarily immerse cutting(s) into a 0.5% v/v solution (6.4 oz. per 10 gal. water).

**Transplanting:** Prior to transplanting, apply as a foliar spray using a 0.5% v/v solution or temporarily immerse the transplant tray in a 0.5% solution (6.4 oz. per 10 gal. water).

**Plant Health Program:** Apply as a foliar application on a 10- to 14-day schedule or as necessary to maintain plant vigor using a 0.5% v/v solution (6.4 oz. per 10 gal. water).

**General Application Timing:** First application at bud break, continue plant vigor program until plant senescence. Do not apply during dormancy.

**Perennial and Annual Species (including bedding plants, annuals and perennial plantings)****Bedding Plants:**

Apply as a foliar application at the fourth true leaf stage. Continue applications at 10- to 14-day intervals or as necessary to maintain plant vigor.

**Transplanting:** Prior to transplanting, apply as a foliar spray using a 0.5% v/v solution or temporarily immerse the transplant tray in a 0.5% v/v solution (6.4 oz. per 10 gal. water).

**Plant Health Program:** Apply as a foliar application 0.5% v/v solution (6.4 oz. per 10 gal. water).

**Cut Flowers**

For Propagule, Transplanting, and additional Plant He

**Plant Health Program:** Two to three days prior to h cuttings after harvest in 0.5% v/v solution prior to shi

**Turf**

Warm and cool season turf including commercial land Blue grass, Rye grass, Zoysia grass, Bermuda grass,

**Rate:** Use 5 oz.-10 oz. in a minimum of 1.75-2.00 ga

**Plant Health Program:** Application of **Foliar Phosp** potassium levels if soil medium is not sufficient to me well balanced fertilizer program only.

**MIXI**

Prior to any fertilizer or pesticide application all spray **WipeOut**® is recommended. Carefully observe all cle water and begin agitation. Add pesticides and/or ferti

1. Dry flowables or water dispersible gr
2. Wettable powders
3. Flowables
4. Emulsifiable concentrates

**CONDITIONS O AND LIMITATION:**

**Read the Conditions of Sale – Warranty and Limit are not acceptable, return the product, unopen**

This label is believed to be reliable and should be follo the occurrence of extraordinary or unusual weather c tices, all of which are beyond the control of Helena C directions may cause injury to crops, animals, man c chemical description on the label and is reasonably fit the control of the Company. The Company makes no the product, including no implied warranty of merch implied by law.

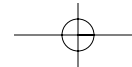
The exclusive remedy against the Company for any ci at Helena Chemical Company's election, one of the fo

1. Refund of the purchase price paid by buyer or use
2. Replacement of the product used

To the extent allowed by law, the Company shall not indirect, incidental, or consequential damages or exp Company and the seller offer this product and the buy of warranty, liability and remedies.

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**Ele-Max**®, **PRECISION NUTRITION**® and **WipeOut**®



**Plant Health Program:** Apply as a foliar application on a 10- to 14-day schedule or as necessary to maintain plant vigor using a 0.5% v/v solution (6.4 oz. per 10 gal. water).

#### Cut Flowers

For Propagule, Transplanting, and additional Plant Health Programs, refer to programs listed for Evergreen or Deciduous Species.

**Plant Health Program:** Two to three days prior to harvest a 0.5% v/v solution of **Foliar Phosphite** may be made, or immerse the cuttings after harvest in 0.5% v/v solution prior to shipping (6.4 oz. per 10 gal. water).

#### Turf

Warm and cool season turf including commercial landscape, golf-course, lawn care and sod farms growing the following: Bent grass, Blue grass, Rye grass, Zoysia grass, Bermuda grass, Fescue grass, St. Augustine grass, Centipede grass, and *Poa Annua*.

**Rate:** Use 5 oz.-10 oz. in a minimum of 1.75-2.00 gallons total spray volume per 1,000 sq. ft. every 14-21 days.

**Plant Health Program:** Application of **Foliar Phosphite** containing potassium may aid in reducing summer stress due to increased potassium levels if soil medium is not sufficient to meet the need. **Foliar Phosphite** is recommended for use as a supplement to a well balanced fertilizer program only.

### 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. Dry flowables or water dispersible granules | 5. Water based solutions          |
| 2. Wettable powders                            | 6. Compatibility agents           |
| 3. Flowables                                   | 7. Micronutrients and Fertilizers |
| 4. 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.

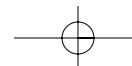
The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

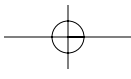
1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

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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...every 14-21 days.

...ucing summer stress due to increased  
...ended for use as a supplement to a

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...l the spray or mix tank one-half full of  
...owing sequence:

- ...d solutions
- ...ty agents
- ...nts and Fertilizers
- ...rants

**WARRANTY  
LIMITATIONS**

...re using this product. If the terms  
...e refunded.

...he product is applied may result from  
...l directions or good application prac-  
...titioner. In addition, failure to follow label  
...nts that this product conforms to the  
...ctors noted above which are beyond  
.../ kind, express or implied, concerning  
...pose, and no such warranty shall be

...use of this product shall be limited to,

...the Company are waived for special,  
...ited to, loss of profits or income. The  
...going conditions of sale and limitation

...ding Company.



# Fol

**THIS PRODUCT IS NOT FOR SALE  
MINNESOTA, NEW MEXICO, NOR**

Total Nitrogen (N) . . . . .  
 4.00% Urea Nitrogen  
 Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>)  
 Soluble Potash (K<sub>2</sub>O) . . . . .  
 Derived from urea, potassium i

**SEE INSIDE FOR  
SEE INSIDE FOR**

- SN 0606/0907
- NET CONTENTS:  2.5 gal. (2 x 2.5 g)  
 Net Wt.:
- 5 gal. (18)  
 Net Wt.:

Information about the components  
Boulevard, Suite 300, Collierville, TN  
Information regarding the contents a







# Foliar Phosphite

## 4-30-20

**THIS PRODUCT IS NOT FOR SALE OR USE IN CALIFORNIA, GEORGIA, IDAHO, ILLINOIS, INDIANA, KENTUCKY, MICHIGAN, MINNESOTA, NEW MEXICO, NORTH CAROLINA, OKLAHOMA, OREGON, PENNSYLVANIA, TEXAS OR WASHINGTON STATE.**

### GUARANTEED ANALYSIS

Total Nitrogen (N) ..... 4.00%  
4.00% Urea Nitrogen  
Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>) (AOAC Method 960.02) ..... 30.00%  
Soluble Potash (K<sub>2</sub>O) ..... 20.00%  
Derived from urea, potassium hydroxide and phosphorous acid.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
**See Inside Panel for Additional Precautionary Statements**

SN 0606/0907

NET CONTENTS:

2.5 gal. (9.46 L) Jug  
2 x 2.5 gal. (2 x 9.46 L) Case  
Net Wt.: 29.93 lbs. (13.57 kg) Jug  
59.85 lbs. (27.15 kg) Case

55 gal. (208.19 L)  
Net Wt.: 658.35 lbs. (298.63 kg)

5 gal. (18.93 L)  
Net Wt.: 59.85 lbs. (27.15 kg)

Bulk \_\_\_\_\_  
Wt. Per Gal. 11.97 lbs (5.43 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>.

**F224**  
**MANUFACTURED FOR**  
**HELENA CHEMICAL COMPANY**  
**225 SCHILLING BOULEVARD, SUITE 300**  
**COLLIERVILLE, TN 38017**