Foliar Phosphite

0-28-26

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

Available Phosphoric Acid (P₂O₅) (AOAC method 960.02) ......................... 28.00%
Soluble Potash (K₂O) .................................................................................. 26.00%

Derived from potassium hydroxide and phosphorous acid.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Inside Panel for Additional Precautionary Statements.

SN 0905/0606

NET CONTENTS:

□ 2.5 gal. (9.46 L) Jug
□ 55 gal. (208.19 L) Case

Net Wt.: 30.35 lbs (13.76 kg) Jug
Net Wt.: 667.70 lbs. (302.87 kg) Case

□ 5 gal. (18.93 L)
□ Bulk

Net Wt.: 60.70 lbs. (27.53 kg) Case
Wt. Per Gal. 12.14 lbs. (5.51 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

A formulated product for the treatment of 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 face shield 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/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 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 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 other 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. Through 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 phosphate 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 injection 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 of Foliar Phosphite by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre Foliar Phosphite, add 6¼ 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 6¼ 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 6¼ 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 6¼ 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 6¼ 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 6¼ 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.

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**SPECIMEN LABEL**

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 6½ gallons water per acre.

**Sugarbeets:** 1 pint to 4 pints/acre. First application post transplanting or thinning, subsequent applications at 30 to 60 days 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 6½ gallons water per acre.

**Tomatoes, Peppers, Eggplant:** 1 pint to 4 pints/acre per application. First application post transplanting or thinning subsequent applications at 1/2 to 1 inch 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 6½ gallons water per acre.

**GROUND APPLICATION**

**FIELD CROPS**

**Suggested Rates:**

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

**PERMANENT CROPS**

**Suggested Rates:**

- **Apples, Pears (Pome Fruit):** 1 pint to 4 pints/acre, first application at green tip, subsequent treatments at 30 days 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 6½ gallons water per acre.
- **Almonds:** 1 pint to 4 pints/acre, first application at prebloom, subsequent treatments at 30 days 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 6½ gallons water per acre.
- **Avocado:** 1 pint to 4 pints/acre, first application at prebloom, subsequent treatments at 30 days 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 6½ gallons water per acre.
- **Caneberries, Blackberries, Raspberries & Others:** 1 pint to 4 pints/acre, first application at prebloom, subsequent treatments at 30 days 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 6½ gallons water per acre.
- **Citrus:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30 days 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 6½ 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, 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. 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 6½ gallons water per acre.
- **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. 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 6½ gallons water per acre.
- **Kiwi Fruit:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30 days 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 6½ gallons water per acre.
- **Olives:** 1 pint to 4 pints/acre, first application at pre-bloom, subsequent treatments at 30 days 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 6½ gallons water per acre.
- **Plums, Peaches (Stone Fruit):** 1 pint to 4 pints/acre, first application at green tip or pink bud, subsequent treatments at fruit set, thinning, and two to three weeks prior to harvest, 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 6½ gallons water per acre.
- **Walnuts & Other Nut Crops:** 2 pints to 4 pints/acre. First application at green tip, subsequent treatments at 30 days intervals or 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 6½ gallons water per acre.

**AERIAL APPLICATION**

**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 days intervals as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.
- **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. 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 days intervals as required. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.
- **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. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.
- **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. 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. Dilute 1 to 4 pints **Foliar Phosphite** in 10 to 20 gallons water.

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Suggested Rates:

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

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 days as required. Do not exceed 2 gallons 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 days as required. Do not exceed 2 gallons 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 days as required. Do not exceed 2 gallons 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 days as required. Do not exceed 2 gallons 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 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 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 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 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 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 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 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 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 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 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 ¾ 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.

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