Coastal AgroBusiness, Inc.

**Product Label**

# Co-Phite

***0-0-31***

## *Potassium Phosphite Fertilizer*

**Soil and Fertilizer Additive**

**To Enhance Nutrient Availability**

**Guaranteed Analysis:**

**Soluble Potash ..... 31.0%**

Derived from: Potassium Phosphite 0-30-31

Contains no readily available phosphate.

Weight per gallon: 13.3 lbs.

**CAUTION**

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

Read the entire label for additional precautionary statements.

Manufactured By:
**Coastal AgroBusiness, Inc**.
Greenville, North Carolina

## GENERAL INFORMATION

Applications of **Co-Phite** 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 phosphorus 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. 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 products or programs, or if you are unfamiliar with any of the application methods, contact your Solutions Advisor.

## PRECAUTIONARY STATEMENTS / HAZARDS TO HUMANS

**CAUTION**. Harmful if swallowed, inhaled, or absorbed through skin. Can cause skin, mucous membrane, and eye irritation. Avoid contact with eyes, skin, or clothing. Wear suitable gloves and a face shield when handling this product. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse. Do not apply this product in a manner as to directly or through drift expose workers or other persons. Always read and follow product labeling.

## FIRST AID

**If swallowed:** Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

**If in eyes:** Flush eyes with copious amounts of clean water for at least 15 minutes. Remove contacts if present, and easy to do. Do not let the victim rub their eye. Get medical attention.

**If on skin:** Remove contaminated clothing and wash skin with soap and water. If irritation develops, get medical attention.

**If inhaled:** Remove the person from the area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if a qualified operator is available. Seek medical attention.

**NOTE:** If contact is made with a spray solution containing pesticides, follow the "First Aid" statements on the pesticide label.

## STORAGE AND DISPOSAL

Do not store near heat or open flame. Store in original container only. Keep container closed when not in use. Keep from freezing. If damaged or leaking, soak up with absorbent material and place in a suitable container for disposal. Transfer remaining product to a suitable container for storage and label.

Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water by runoff from equipment wash waters or spray materials. Wastes resulting from this product may be disposed of on-site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## AGRICULTURAL USE REQUIREMENTS AND USER SAFETY RECOMMENDATIONS

When used in conjunction with pesticides, consult the pesticide manufacturer's label for worker protection recommendations. Use of waterproof gloves and protective eyewear is recommended when handling this product.

## DIRECTIONS FOR USE

Precaution: **Co-Phite** is a highly concentrated material. Exercise precautions to prevent potential root or foliar injury (including burning), or plant media pH changes, irrigation system damage, or injector system damage. If applying **Co-Phite** on its own, or in combination with other materials, a compatibility test is recommended to avoid potential incompatibilities. Prior to the addition of **Co-Phite** to a spray mix, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial. Some complex concentrated tank mixes could show phytotoxicity when applied in very low water volumes during periods of high heat and humidity. **Co-Phite** remains in the liquid phase on leaf surfaces for a prolonged period of time and demonstrates pronounced spray adjuvant properties. **Co-Phite** potassium phosphite fertilizer stimulates plant health during periods of stress. Use sufficient water to ensure thorough coverage.

**CAUTION**: If applied with copper-based products, check tank pH prior to application.

## 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 **Co-Phite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Co-Phite**, add 6 1/4 gallons of 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 **Co-Phite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Co-Phite,** add 6 1/4 gallons of 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 **Co-Phite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Co-Phite,** add 6 1/4 gallons of 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 **Co-Phite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Co-Phite,** add 6 1/4 gallons of 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 **Co-Phite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Co-Phite,** add 6 1/4 gallons of 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 **Co-Phite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Co-Phite,** add 6 1/4 gallons of water per acre.

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

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

## GROUND APPLICATION: FIELD CROPS

Suggested Rates:

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

**Peanuts:** 1 to 4 pints per acre

**Tobacco:** 1 to 4 pints per acre

## GROUND APPLICATION: VEGETABLE CROPS

Suggested Rates:

**Apples and 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 **Co-Phite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Co-Phite,** add 6 1/4 gallons of 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 **Co-Phite** by spray volume is the maximum

permissible rate for foliar application, or for each 1 pint/acre **Co-Phite,** add 6 1/4 gallons of water per acre.

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

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

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

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

**Plums and Peach (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 **Co-Phite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Co-Phite,** add 6 1/4 gallons of water per acre.

**Walnuts and Other Nut Crops:** 2 pints to 4 pints/acre. First application at green tip, subsequent treatments at 30-day intervals or as required. A 2% solution of **Co-Phite** by spray volume is the maximum permissible rate for foliar application, or for each 1 pint/acre **Co-Phite,** add 6 1/4 gallons of water per acre.

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

**Co-Phite** 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 **Co-Phite**, use 6 1/4 gallons of water per 1,000 sq. ft. A 2% solution of **Co-Phite** by spray volume is the maximum permissible rate for foliar applications.

Suggested Rates:

**Evergreen Species** (including trees, shrubs, foliage plants) Plant Health Program: Apply as a foliar application on a 10–14-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) Plant Health Program: Apply as a foliar application on a 10–14-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 10–14-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.

**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: 3 oz.-8 oz. per 1,000 sq. ft. every 14 - 21 days. Rate and frequency of application may vary due to active growth periods and grass cultivars.

**Plant Health Program:** Apply as a foliar application on a 10–14-day schedule or as necessary to maintain plant vigor using a 0.5% v/v solution (6.4 oz. per 10 gal. water). Application of **Co-Phite** containing potassium may aid in reducing summer stress due to increased potassium levels if soil medium is not sufficient to meet the need. **Co-Phite** 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 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*
2. *Wettable powders*
3. *Flowables*

4. *Emulsifiable concentrates*
5. *Water-based solutions*
6. *Compatibility agents*
7. *Micronutrients and fertilizers*
8. *Spray adjuvants*

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**

**SHAKE WELL BEFORE USE**

**KEEP FROM FREEZING**

**NOTICE:** Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with the directions contained on this label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use, storage or handling of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. These risks include, but are not limited to damage to plants, crops, and animals to which the material is applied, failure to control pests, damage caused by drift to other plants or crops, and personal injury.