

# GRO-PHITE

## 0-0-25

Target Market

VEGETABLE, FIELD,  
PERMANENT  
CROPS  
TURF, NURSERY  
& GREENHOUSE  
ORNAMENTAL  
CROPS AND  
PROFESSIONALLY  
MANAGED  
LANDSCAPING

Target Usage/  
Application

FOLIAR OR SOIL  
NUTRIENT

### GUARANTEED ANALYSIS

Soluble Potash (K<sub>2</sub>O) ..... 25%  
Derived from Potassium Phosphite.

### GENERAL RECOMMENDATIONS

This product is a concentrated nutrient solution containing, in highly soluble form, certain element(s), beneficial to plant growth, flowering, crop development, crop quality, yield, fruit set, rooting, root development and transplant establishment when applied as a properly timed foliar or soil application. Follow manufacturer's recommendation for use. Application of this product should be used as a part of a fertility program based upon soil and tissue testing data and is intended for use as a supplemental fertilizer treatment.

**Foliar Application** – May be applied by air or with all types of ground spraying equipment.

### AGRICULTURAL

Aerial and ground applications, apply 0.5 to 4 pints per acre in a minimum of 3 1/8 to 25 gallons of water per acre. Do not exceed a product concentration of 2% v/v maximum.

For the following product rates, do not use less than the corresponding gallons of water per acre: 0.5 pint/acre = 3 1/8 gallons of water/acre; 1 pint/acre = 6 1/4 gallons of water/acre; 2 pints/acre = 12 1/2 gallons of water/acre; 3 pints/acre = 18 3/4 gallons of water/acre; 4 pints/acre = 25 gallons of water/acre. (See APPLICATION PRECAUTION section)

### TURF & ORNAMENTAL

#### Outdoor or Field Growing Conditions

Do not exceed a maximum product concentration of 0.26% volume/volume or apply more than 4 pints per acre per application. Allow at least 1 week between applications. Note: A 0.26% volume/volume solution is approximately 0.65 fl. oz. of this product per 2 gallons of water.

**Soil Application** – May be applied to the soil by all types of soil spraying/injection equipment and through certain types of irrigation systems. Refer to the IRRIGATION SYSTEM APPLICATION section.

### AGRICULTURAL

Apply 0.5 to 4 pints per acre.

### TURF & ORNAMENTAL

#### Infringement Applications

Do not exceed a maximum product concentration of 0.33% volume/volume. Note: A 0.33% volume/volume solution is approximately 0.85 fl. oz. of this product per 2 gallons of water.

**Continuous Feed (Fertigation) Applications**  
Do not exceed a maximum product concentration of 0.03% volume/volume. Note: A 0.03% volume/volume solution is approximately 0.08 fl. oz. of this product per 2 gallons of water.

**Compatibility** – Compatible with most commonly used foliar pesticides, chemically neutral fertilizer and micronutrients. It is **not recommended** to use this product with surfactants or adjuvants that lower pH. USER ASSUMES FULL RESPONSIBILITY to ensure compatibility when tank mixing with other products. (See APPLICATION PRECAUTION section)

### AGRICULTURAL SUGGESTED USES

#### VEGETABLE CROPS

**General Vegetable Crops:** First application after transplanting, thinning or at second to fourth true leaf stage. Subsequent applications at 15-30 day intervals up to harvest.

**Earlie and Onions:** Apply at bulb initiation to 1/2 inch diameter, from seedling stage and again approximately 6-8 weeks after 1" diameter.

**Artichokes:** First application at seedling stage. Subsequent applications at 15-30 day intervals.

#### TREE, VINE AND FRUIT CROPS

**Strawberries:** First application after transplanting. Subsequent applications at 15-30 day intervals up to harvest.

**Bush Berries, Caneberries, Kiwi, Olives, Citrus, Avocados and Figs:** First application pre-bloom. Subsequent applications at 15-30 day intervals up to harvest.

**Pistachios:** First application at leaf out. Subsequent applications at pre-bloom, 3 weeks post bloom and 6 weeks post bloom.

**Stone Fruits:** First application at bud break or pink bud. Subsequent applications at fruit set or jacket fall, fruit thinning and two to three weeks prior to harvest.

**Pome Fruits:** First application at green tip or bud break. Subsequent applications at 15-30 day intervals up to harvest.

**Hops:** First application at 1 inch to 4 inches of shoot growth. Subsequent applications at 8 to 10 inches of shoot prior to bloom and during bloom.

**Grapes (Table, Wine, Raisin):** Table Grapes: First application at 4-6 inches of shoot growth and then at bloom. Wine and Raisin Grapes: First application 4-6 inches of shoot growth and then at approximately 5-25% bloom. Subsequent applications at bunch pre-closing, veraison and two to three weeks prior to harvest.

#### FIELD CROPS

**Cotton:** First application after transplanting, thinning or at fourth to sixth true leaf stage and subsequent applications at first squaring, first bloom and 2 weeks after first bloom.

**Forage Crops:** First application after sowing thinning or at second to fourth true leaf stage and one to two subsequent applications at 15 to 30 day intervals.

**Barley, Corn, Grass (Seed), Oats, Rice, Rye, Sugar Cane and Wheat:** First application after emergence usually at first herbicide timing and subsequent applications at 4-6 inches crop height and with the fungicide program. One to two subsequent applications at 10 to 15 day intervals.

**Tobacco:** First application after transplanting and one to two subsequent applications at 15 to 30 day intervals.

**Forestry and Nursery:** Apply every 2 to 4 weeks during active growing periods.

### TURF & ORNAMENTAL SUGGESTED USES

**ALL FLOWERING, BEDDING AND NON-WOODY ORNAMENTALS**  
(See APPLICATION PRECAUTIONS section for the following applications.)

**Propagation:** First foliar spray application at the second true leaf stage using a 0.3% v/v solution. Subsequent applications at ten to fourteen day intervals.

**Transplanting and Establishment:** Momentarily submerge the entire seedling tray in a 0.1% v/v solution or apply as a foliar spray using a 0.1% v/v solution prior to transplanting.

**Maintenance, Growth and Development:** As a foliar spray, using a 0.1% to 0.3% v/v solution with subsequent applications at ten to fourteen day intervals.

**Transporting:** Five to seven days prior to shipment, apply a foliar spray using a 0.1% to 0.3% v/v solution. When using a 0.3% solution, maximum 4 gallons of spray solution per 1,000 square feet.

### TURF, GOLF COURSE GRASSES AND FAIRWAYS

**Cool and Warm Season Grasses:** Apply 1 to 5 fl. oz. in a minimum spray volume of 2 gallons of water per 1,000 square feet (88 gallons/acre) at fourteen day intervals during active growth periods.

### IRRIGATION SYSTEM APPLICATION

Applications can be made through certain irrigation systems including, but not limited to, low volume systems and typical agricultural sprinkler systems. The specific injection equipment and irrigation system must conform to all federal, state and local regulations pertaining to the fertilization of plants through an irrigation system. Accurate and properly calibrated injection equipment and an irrigation system that is operated at maximum distribution uniformity will help avoid plant injury and/or product ineffectiveness. For best results, with the exception of center pivot and lateral systems, apply this product toward the end of the irrigation set. Allow sufficient time for the product to be flushed completely out of the entire irrigation system prior to turning off the irrigation water. Contact your Certified Crop Advisor for specific recommendations for your area.

### APPLICATION PRECAUTIONS

Do not tank mix this product with fungicidal copper products or apply the spray solution to plants that have been or will be treated with a fungicidal copper spray within 10 days of the planned application.

As with all materials, user should exercise precaution to avoid potential phytotoxicity including foliar burning. Precaution is advised if applying this product in combination with other materials, a jar test for compatibility is recommended before tank mixing with other products. The pH of any final spray solution should be checked and an appropriate amount of the solution should be applied to a small area of the intended crop to ensure plant compatibility prior to the planned application. User assumes full responsibility to ensure product, equipment and plant compatibilities. CAUTION: KEEP OUT OF REACH OF CHILDREN, HARMFUL IF SWALLOWED. PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED, AND INTENDED FOR AGRICULTURAL USE. CONSULT MATERIAL SAFETY DATA SHEET FOR FURTHER INFORMATION. In the event of a spill, clean-up promptly using trained personnel and pre-planned procedures and/or contact CHEMTREC at 1-800-424-9300 for assistance.

### STORAGE AND HANDLING

Store in a cool, dry place. Keep container tightly closed and out of direct sunlight during storage for extended amounts of time. Do not add water or other material to the container. Do not contaminate water, food, or feed by storage or disposal. Store above 32° F.

### CONDITION OF SALE

Seller warrants that this product conforms to its chemical description as stated on the label. The product is reasonably fit for the purpose stated on the label when used in accordance with the label directions and instructions under normal conditions of use. Neither this warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions or under abnormal conditions or under conditions not foreseeable to the seller. Buyer assumes the risk of any such use.

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, AND SWEET ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

2.5 gal (9.46 ltr)  
12.55 lbs/gal @ 68° F  
Net Wt: 31.38 lb (14.2 kg)  
Inv ID 20000579-005 F002086

