

NUTRI-GROW[®]
CALCI-PHITE[®]
with *N-Riched™* technology

REV 05/16 C1 GHS
FF 01139

0-0-9

Target Market

**TURF, NURSERY
& GREENHOUSE
ORNAMENTAL
CROPS AND
PROFESSIONALLY
MANAGED
LANDSCAPING**

Target Usage/
Application

**FOLIAR OR
SOIL NUTRIENT**

GUARANTEED ANALYSIS

Soluble Potash (K ₂ O)	9%
Calcium (Ca)	9%

Derived from Potassium Phosphite, Potassium Hydroxide, and Calcium Carbonate.

F002331

Hazard Not Otherwise Classified:
May be harmful if swallowed.

STORAGE AND DISPOSAL

Store in a cool, dry area out of reach of children and animals, as well as out of direct sunlight during storage for extended amounts of time. Store in original container. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Store at temperatures above 32°F. Dispose of unused product and empty containers at an approved waste disposal plant in accordance with Federal, State and local regulations.

GENERAL RECOMMENDATIONS

This product is a concentrated nutrient solution containing, in highly soluble form, certain elements beneficial to plant growth, rooting, root development, flowering, transplant establishment and, with sufficient nitrogen, may improve color development when applied as a properly timed foliar or soil application. Application to turf may improve resistance to traffic if potassium is not adequately supplied by the soil medium. Read and follow all label directions including **USE PRECAUTIONS** before using this product. Applications of this product should be part of a fertility program based upon soil and tissue testing data and is intended for use as a supplemental fertilizer treatment.

Contact your Certified Crop Advisor for specific recommendations for your area.

DIRECTIONS FOR USE

Foliar Application – This product may be applied by air or with all types of ground spraying equipment. Apply 1 to 4 pints per acre based upon crop and growing conditions detailed below.

Greenhouse or Protected Area Conditions: DO NOT exceed a maximum product concentration of 0.1% volume/volume or apply more than 2 pints per acre per application. Allow at least 1 week between applications. Note: A 0.1% volume/volume solution is approximately 0.25 fl. oz. of this product per 2 gallons of water.

Outdoor or Field Growing Conditions: DO NOT exceed a maximum product concentration of 0.3% volume/volume or apply more than 4 pints per acre per application. Allow at least 1 week between applications. Note: A 0.3% volume/volume solution is approximately 0.75 fl. oz. of this product per 2 gallons of water.

Soil Application – This product 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. Apply 1 to 4 pints per acre.

Infrequent Applications: DO NOT exceed a maximum product concentration of 0.5% volume/volume. Note: A 0.5% volume/volume solution is approximately 1.25 fl. oz. of this product per 2 gallons of water.

Continuous Feed (Fertigation) Applications: DO NOT exceed a maximum product concentration of 0.05% volume/volume. Note: A 0.05% volume/volume solution is approximately 0.15 fl. oz. of this product per 2 gallons of water.

Compatibility – This product is compatible with most commonly used foliar pesticides, chemically neutral fertilizers and micronutrients. **It is not recommended to use this product with surfactants or adjuvants that lower pH. AVOID MIXING** with oxidizing chemicals including, but not limited to, chlorine, hydrogen peroxide, ozone and other sterilants. USER ASSUMES FULL RESPONSIBILITY to ensure tank and plant compatibility when tank mixing with other products.

USE PRECAUTIONS KEEP OUT OF REACH OF CHILDREN

Due to the continuous development of new varieties of each of the many different ornamental plants, it is recommended that prior to the first use on a particular ornamental variety, the grower evaluate plant response(s) by treating a small sample of plants (6 to 10) with the product at the recommended dose(s). Allow sufficient time after application of the product to determine if there is going to be any undesirable plant response(s), including but not limited to stunting and/or leaf burn.

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. **INTENDED FOR AGRICULTURAL USE; PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED. CONSULT SAFETY DATA SHEET FOR FURTHER INFORMATION.** In the event of a spill, clean-up promptly using trained personnel and pre-planned procedures.

See back panel for Additional Directions For Use.

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

Patent Protected Technology

This product is manufactured by: **Verdesian Life Sciences, U.S., LLC**
1001 Winstead Drive, Suite 480, Cary, NC 27513 • Customer Service: 800-868-6446





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DIRECTIONS FOR USE (continued)

SUGGESTED USES

CONIFER AND DECIDUOUS WOODY ORNAMENTALS

Propagation: Momentarily submerge cuttings in a 0.3% volume/volume solution prior to planting.

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

New Outdoor Plantings and Resets: Once the plants are set, depending on size, apply up to 2 gallons of a 0.5% volume/volume solution to the root zone of each plant (e.g. 2 pints for small shrubs; 2 gallons for large shrubs). Make additional foliar applications of a 0.1% to 0.3% volume/volume solution on a ten to fourteen day spray interval.

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

Note: Applications should be discontinued during dormancy. The first seasonal application should be applied at bud emergence. The last application should be applied just prior to the onset of senescence. When using a 0.3% solution of this product, use a maximum of 4 gallons of spray solution per 1,000 square feet.

TREES AND TREE FARMS (e.g. Christmas Trees; Park Plantings)

New Plantings and Resets: Once the trees are set in the ground, apply up to 2 gallons of a 0.5% volume/volume solution to the root zone of each tree. Make additional foliar applications of 2 pints per acre at two week spray intervals during the growing season. Make a minimum of two foliar applications per season.

Maintenance: Make foliar applications of 2 pints per acre at two week spray intervals during the growing season. Make a minimum of two foliar applications per season.

Note: Apply when plants are actively growing.

ALL FLOWERING, BEDDING AND NON-WOODY ORNAMENTALS

Propagation: Apply the first foliar spray application at the second true leaf stage using a 0.3% volume/volume solution. Apply subsequent applications at ten to fourteen day intervals.

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

Maintenance, Growth and Development: Apply as a foliar spray using a 0.1% to 0.3% volume/volume 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% volume/volume solution. When using a 0.3% solution of this product, use a maximum of 4 gallons of spray solution per 1,000 square feet.

CUT FLOWERS

Propagation: Momentarily submerge cuttings in a 0.3% volume/volume solution prior to planting.

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

Maintenance, Growth and Development: Apply as a foliar spray using a 0.1% to 0.3% volume/volume solution with subsequent applications at ten to fourteen day

intervals. When using a 0.3% solution of this product, use a maximum of 4 gallons of spray solution per 1,000 square feet.

Cut Flower Shipment: Cut flowers may be treated with a 0.1% volume/volume solution two to three days prior to harvest or dipped in a 0.1% volume/volume solution after harvest and prior to shipping.

TURF, GOLF COURSE GREENS 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.

WARRANTY

Verdesian Life Sciences U.S., LLC warrants that this Product conforms to the specifications set forth on the label. This 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.

VERDESIAN NEITHER MAKES, NOR AUTHORIZES ANY AGENT, REPRESENTATIVE OR THIRD PARTY TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE CONDITION, QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Neither the warranty of merchantability nor 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 or Verdesian.

Limitation of Remedies. The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability or other legal theories), shall be limited to, at Verdesian's election, one of the following: (1) replacement of the amount of product used; or (2) refund of the purchase price paid for the product; provided that Verdesian's provision of (1) or (2) is conditioned on its first being promptly notified of such loss or damage in writing. Verdesian shall not be liable to the buyer or any other party claiming by, through, or under the buyer for any other losses or damages resulting or relating to this product, including but not limited to any direct, indirect, special, punitive, economic, incidental or consequential damages or loss of profits, whether in contract, tort or otherwise. Verdesian neither assumes, nor authorizes any person to assume for it, any other liability in connection with the sale, storage, use or handling of this product other than expressly set forth herein.

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

In Mississippi, this product is considered a **low analysis fertilizer**. See front panel for additional Directions For Use.