

NUTRI-GROW<sup>™</sup>  
**MAGNUM**  
with N-Riched<sup>™</sup> technology

REV 3/14/82  
FF 01206

**2-0-16**

Target Market

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

Target Usage/  
Application

**FOLIAR OR SOIL NUTRIENT**

**GUARANTEED ANALYSIS**

Total Nitrogen (N) .....	2%
2% Ammoniacal Nitrogen .....	
Soluble Potash (K <sub>2</sub> O) .....	16%

Derivable from Ammonium Phosphite and Potassium Phosphate.

**GENERAL RECOMMENDATIONS**

This product is a concentrated nutrient solution containing, in highly soluble form, certain elements (s) 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. Follow manufacturer's recommended directions for use. 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.

**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. (See **APPLICATION PRECAUTIONS** section.)

**Outdoor or Field Growing Conditions:**

**DO NOT** exceed a maximum product concentration of 0.25% volume/volume or apply more than 4 pints per acre per application. Note: A 0.25% volume/volume solution is approximately 0.65 fl. oz. of this product per 2 gallons of water. (See **APPLICATION PRECAUTIONS** section.)

**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. (See **APPLICATION PRECAUTIONS** section.)

**Infrared 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. (See **APPLICATION PRECAUTIONS** section.)

**Continuous Feed (Fertigation) Applications: DO NOT** exceed a maximum product concentration of 0.33% volume/volume. Note: A 0.33% volume/volume solution is approximately 0.08 fl. oz. of this product per 2 gallons of water. (See **APPLICATION PRECAUTIONS** section.)

**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. (See **APPLICATION PRECAUTIONS** section.)

**SUGGESTED USES  
CONIFER AND DECIDUOUS WOODY ORNAMENTALS**

**Propagation:** Momentarily submerge cuttings in a 0.2% 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 0.33% 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 0.2% 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 0.2% 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 0.2% 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 0.33% volume/volume solution to the root zone of each tree. Make additional foliar applications of 1 to 1.5 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 1 to 1.5 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 0.2% 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 0.2% 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 0.2% volume/volume solution. When using a 0.2% 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 0.2% 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 0.2% volume/volume solution with subsequent applications at ten to fourteen day intervals. When using a 0.2% 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 GRASSES AND FAIRWAYS**

**Cool and Warm Season Grasses:** Apply 1 to 3.5 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 PRECAUTION**

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.

If the tank mix containing this product is below a pH of 7, do not tank mix 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 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.

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

U.S. Patent Nos. 5,514,200, 6,831,040, RE41,789 and RE43,073

This product is manufactured by:

Verdesian Life Sciences, U.S., LLC 12222 Avenue 352 Visalia, CA 93291

