

# The Andersons Professional Turf™ Products

## 14-7-7 with MUtech®

- "Specialty Use" fertilizer designed for fine turf areas, field grown ornamentals, and maintaining landscape plants
- Provides 3-4 months of nitrogen feeding from MUtech® nitrogen
- Provides excellent initial greening and early growth
- Contains iron and other micronutrients for enhanced greening and stress tolerance

### GUARANTEED ANALYSIS

|  |        |
|--|--------|
| Total Nitrogen (N) . . . . .                                   | 14.00% |
| 2.74% Ammoniacal Nitrogen                                      |        |
| 5.31% Urea Nitrogen  |        |
| 2.45% Water Insoluble Nitrogen                                 |        |
| 3.50% Other Water Soluble Nitrogen*                            |        |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) . . . . . | 7.00%  |
| Soluble Potash (K <sub>2</sub> O) . . . . .                    | 7.00%  |
| Sulfur (S) . . . . .   | 2.38%  |
| 2.38% Combined Sulfur (S)                                      |        |
| Copper (Cu) . . . . .  | 0.10%  |
| 0.02% Water Soluble Copper (Cu)                                |        |
| Iron (Fe) . . . . .  | 2.00%  |
| Manganese (Mn) . . . . .                                       | 0.10%  |
| 0.03% Water Soluble Manganese (Mn)                             |        |
| Zinc (Zn) . . . . .  | 0.10%  |
| 0.03% Water Soluble Zinc (Zn)                                  |        |

Plant nutrients derived from diammonium phosphate, urea, potassium sulfate, methylene ureas, ferric oxide, ferrous sulfate, cupric oxide, cupric sulfate, manganous oxide, manganese sulfate, zinc oxide and zinc sulfate. \*3.50% Slowly available nitrogen from methylene ureas.

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### FLORIDA APPLICATIONS:

We recommend that you follow the Florida Green Industries BMP's at [http://www.flaes.org/pdf/BMP\\_Book\\_final.pdf](http://www.flaes.org/pdf/BMP_Book_final.pdf)

We recommend that you follow the Florida Golf Course BMP's at <http://www.flaes.org/pdf/gfbbmp07.pdf>

### GENERAL INFORMATION

The Andersons Professional Turf Products 14-7-7 with MUtech is a high quality fertilizer specifically designed for professional horticultural use. Methylene urea contributes half of the total nitrogen in this formulation, allowing for 12-16 weeks of extended release of this crucial nutrient over a wide range of soil temperatures, to provide robust foliage development and carbohydrate energy reserves needed to withstand environmental extremes and transplant stress. The proportion of phosphate is adequate in most soil types to allow for proper maintenance of the root system and the potassium sulfate provides generally adequate amounts of potash to ensure proper plant durability and water retention, without problems from chlorine phytotoxicity. Supplemental iron is added, which enhances the desired deep green color of foliage, preventing deficiency symptoms such as chlorosis.

### WHEN AND HOW TO USE

These directions for use and application rates are based on generally accepted horticultural practices and do not take into account all of the varietal environmental, and agronomic variables which may be encountered by the professional landscape operator, for whom this product is intended. These directions are not intended as a substitute for good professional judgment and are intended to serve as a general reference only.

### SURFACE APPLICATION INSTRUCTIONS

Wash off any plant food that gets onto foliage of plants. Measure product by weight or volume using an old measuring cup, canning jar, or similar container, which should not be reused for food purposes.

**Woody Ornamentals/Shrubs:** Broadcast 1 - 2 lbs. per 100 sq. ft. (10 x 10 ft.) of the area beneath the spread of the branches to just beyond. Use the low rate for Azaleas and similar species and for established plantings that are near the desired size. Use the high rate for young plantings where growth is desirable. Use twice per year, in spring 2 - 4 weeks after Azaleas are in full bloom, and in fall just after deciduous trees lose their leaves. Water thoroughly after applying.

**Shade, Fruit and Nut Trees:** Use 0.7 lb. per 100 sq. ft. (10 x 10 ft.) of the area beneath the tree limb's spread. For younger trees (2" trunk diameter or less), spread product evenly. At planting mix with the soil in an area just outside the hole dug for planting, avoiding the hole area itself. After planting work product into soil with light raking. For more mature trees, bore 6 - 8 inch deep holes in the ground with a crowbar or some pointed object at three foot intervals around the tree in a circle just below the edge of the branches (at the dripline). Divide the product to be applied so that each hole gets roughly the same amount, then fill in the holes with soil. Feed in early spring to early summer preferably before growth starts and in the fall after leaves drop.

**Evergreens:** Feed cone-bearing trees and non-flowering evergreen shrubs in the spring after danger of killing frost is past. For bed plantings apply 0.7 lb. per 100 sq. ft. (10 x 10 ft.). For mature trees, apply 0.7 lb. per 100 sq. ft. under the branches; work product into soil with light raking.

**Foliage Plants and Flowers:** Use 0.7 lb. per 100 sq. ft. and work well into soil before planting. Thereafter, apply every 12 - 16 weeks throughout the growing season mixing into the top soil and being careful not to disturb roots. Other nutrients such as phosphorous and potassium may need to be applied more frequently than 12 - 16 weeks.

**Turf:** Apply 7.0 lb. per 1,000 sq. ft. to dry foliage. Water in after application with a minimum of 0.2 inches to help move particles into the turf canopy. Do not collect clippings for at least one mowing following application to avoid particle pick-up. Repeat every 12 - 16 weeks throughout the growing season or as often as the turf requires feeding. Other nutrients such as phosphorous and potassium may need to be applied more frequently than 12 - 16 weeks.

### POTTED WOODY ORNAMENTALS AND FOLIAGE:

| Container Size | Feeding Requirements |             |             |
|----------------|----------------------|-------------|-------------|
|                | Low                  | Medium      | High        |
| 4" pot         | 1/4 Tsp.             | 1/2 Tsp.    | 3/4 Tsp.    |
| 5" pot         | 1/2 Tsp.             | 3/4 Tsp.    | 1 Tsp.      |
| 6" pot         | 3/4 Tsp.             | 1 Tsp.      | 1 1/4 Tsp.  |
| 1 gal.         | 1 Tsp.               | 1 1/4 Tsp.  | 1 1/2 Tsp.  |
| 2 gal.         | 2 Tsp.               | 2 1/2 Tsp.  | 1 Tbsp.     |
| 3 gal.         | 1 1/4 Tbsp.          | 1 1/2 Tbsp. | 1 3/4 Tbsp. |
| 5 gal.         | 2 Tbsp.              | 2 1/4 Tbsp. | 2 1/2 Tbsp. |

**Growing Media Incorporation:** This product may be incorporated into nursery growing media, but recommendations are impractical within the scope of this bulletin due to the various plant species, media types and climates involved. We suggest the grower determine the optimum rates for the particular crops being grown.

### MISCELLANEOUS

To ensure that you have the best possible fertilization program use fertilizers and liming or soil acidification materials in conjunction with a soil test program operated by a state certified laboratory familiar with the soils and growing media of your region. Cooperative extension agents can provide the names of recommended labs for your area. Check the label for other important information.

### Finished Product Specifications

Mesh Size: 6/16 U.S. (90-95% of particles passing through a 6 mesh but not through a 16 mesh sieve)

SGN = 215      UI = 40 minimum      Bulk Density = 65 Lbs. Per Cubic Ft.

| PRODUCT APPLICATION RATES |                    | POUNDS OF NUTRIENT/1,000 SQ. FT. |    |    |     |
|---------------------------|--------------------|----------------------------------|----|----|-----|
| LBS. MATERIAL/100 SQ. FT. | LBS. MATERIAL/ACRE | N                                | P  | K  | S   |
| 0.7                       | 305                | 1                                | .5 | .5 | .16 |

| Suggested Spreader Settings  |              |                   |                                      |
|--|--------------|-------------------|--------------------------------------|
| Suggested spreader settings are not intended to replace calibration. Please calibrate your spreader prior to applying product. |              |                   |                                      |
| 50 lbs. covers 7,100 sq. ft. (0.16 acre) with 1.0 lbs. N/1,000 sq. ft. at the MEDIUM RATE                                      |              |                   |                                      |
| SPREADER   | GROUND SPEED | WIDTH OF COVERAGE | SPREADER SETTINGS                    |
|  |              |                   | MEDIUM RATE<br>7.0 lbs/1,000 sq. ft. |
| Andersons Model 2000 / AccuPro 2000 (cone 4);<br>Andersons 2000 SR / SR-2000 (cone 4)  | 3 mph        | 11 feet           | 0                                    |
| Andersons LCO-1000   | 3 mph        | 11 feet           | 0                                    |
| Scotts R-8A (cone 4)   | 3 mph        | 11 feet           | M 1/2                                |
| Lesco 020093 (pattern 0.25)  | 3 mph        | 10 feet           | I 1/2                                |
| Lesco 705698 (pattern 0.25)  | 3 mph        | 10 feet           | 21                                   |
| Lely Models WTR, WFR, HR, 1250<br>(PTO at 450 rpm) Pattern III-A   | 4.5 mph      | 40 feet           | 7 3/4                                |
| Vicon (03 Series)  | 4.5 mph      | 36 feet           | 43                                   |

### STORAGE AND USE

Store in a clean, dry place. Reseal opened bag by folding top down and securing. Use only in clean, dry spreaders. Do not leave unused product in spreaders.

### IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

### WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS.

### LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Product of USA

Manufactured by:  
The Andersons, Inc.  
P.O. Box 119  
Maumee, OH 43537  
[www.andersonsplantnutrient.com](http://www.andersonsplantnutrient.com)

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**Net Wt. 50 Lbs. (22.68 kg)**



**APT14W5.40**