



ATEP HI MAG

# TRACE ELEMENT PACKAGE

with Magnesium & other essential nutrients

- Prevents minor element deficiencies
- Excellent supplement to a nitrogen feeding program
- Non-hygroscopic
- Ideal for use on new construction and existing greens and other turf areas
- Provides secondary and micro nutrients necessary for growth in container-grown and landscape ornamentals



Golf  
Greens



Golf  
Fairways



Sports  
Fields



Residential



Ornamentals

### Guaranteed Analysis

|                                    |        |
|------------------------------------|--------|
| Magnesium (Mg) .....               | 12.00% |
| 6.00% Water Soluble Magnesium (Mg) |        |
| Sulfur (S) .....                   | 9.00%  |
| 9.00% Combined Sulfur (S)          |        |
| Copper (Cu) .....                  | 0.50%  |
| 0.01% Water Soluble Copper (Cu)    |        |
| Iron (Fe) .....                    | 8.00%  |
| 0.01% Water Soluble Iron (Fe)      |        |
| Manganese (Mn) .....               | 3.00%  |
| 2.00% Water Soluble Manganese (Mn) |        |
| Molybdenum (Mo) .....              | 0.001% |

Derived from: cupric sulfate, cupric oxysulfate, ferrous sulfate, ferric oxysulfate, magnesium sulfate, magnesium oxysulfate, manganese sulfate, manganous oxysulfate and sodium molybdate.

F002091

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-ap.com>

### FLORIDA APPLICATIONS:

We recommend that you follow the Green Industries BMP's at:  
[http://tyn.ifas.ufl.edu/pdf/GIBMP\\_Manual\\_Web\\_English\\_2015.pdf](http://tyn.ifas.ufl.edu/pdf/GIBMP_Manual_Web_English_2015.pdf)  
We recommend that you follow the Golf Course BMP's at:  
<http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glbmp07.pdf>



### Warning

Causes serious eye irritation. May cause respiratory irritation.  
May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

### Precautionary Statements

Avoid breathing dust. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear eye protection/face protection. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional national/international regulations.

### First Aid

|             |  |
|-------------|--|
| Inhalation: | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If symptomatic, move to fresh air.                                 |
| Skin:       | Wash skin with soap and water. Get medical attention if irritation develops and persists.  |
| Eyes:       | Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion:  | Rinse mouth. Get medical attention if symptoms occur.  |

**GENERAL INFORMATION:** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### DIRECTIONS FOR USE

#### TURFGRASS

Apply only as directed. For use on all turfgrasses.  
Apply any time during the growing season while turf is actively growing. Make application to dry turf. All applications should be watered immediately with 0.20 inches of water prior to any traffic to reduce potential for staining. Avoid mowing soon after application. For best results when used on greens and other close cut turf, apply at aerification or grow-in.

| Turf Application Rates |                   |                               |            |  |
|------------------------|-------------------|-------------------------------|------------|--|
| Rate                   | lb. product/<br>A | lb. product/<br>1,000 sq. ft. | lb. Fe / A |  |
| Medium                 | 60                | 1.4                           | 4.6        | Apply when micronutrient package is desired. Repeat applications can be made after 6 weeks or as needed. |
| High                   | 100               | 2.3                           | 8          |  |

| Suggested Spreader Settings for Turfgrass  |              |                   |                                      |                                    |
|--|--------------|-------------------|--------------------------------------|------------------------------------|
| These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader prior to applying product.<br>50 lbs. feeds 35,700 sq. ft. (0.82 acre) at the MEDIUM RATE<br>50 lbs. feeds 21,700 sq. ft. (0.50 acre) at the HIGH RATE |              |                   |                                      |                                    |
| SPREADER   | GROUND SPEED | WIDTH OF COVERAGE |                                      |                                    |
|  |              |                   | MEDIUM RATE<br>1.4 lbs/1,000 sq. ft. | HIGH RATE<br>2.3 lbs/1,000 sq. ft. |
| Andersons Model 2000/AccuPro 2000; (cone 9) Andersons 2000 SR/ SR-2000 (cone 9)  | 3 mph        | 9 feet            | H 1/2                                | I 1/2                              |
| Andersons SSD / SS-2 Drop  | 3 mph        | overlap wheels    | 2 3/4                                | 3 1/4                              |
| Scotts R-8, R-8A (cone 9)  | 3 mph        | 9 feet            | G 1/2                                | H 1/4                              |
| LESCO 020093 (0.25)  | 3 mph        | 8 feet            | C 1/2                                | D                                  |
| LESCO 705698 (0.25)  | 3 mph        | 8 feet            | 9                                    | 10                                 |
| Lely Models WTR, WFR, HR, 1250, (PTO at 450 rpm)   | 4.5 mph      | 24 feet           | 3 1/4 I                              | 3 3/4 I                            |
| Vicon (03 Series-Standard Spout)   | 4.5 mph      | 20 feet           | 11                                   | 14                                 |

### CONTAINER NURSERY STOCK AND LANDSCAPE ORNAMENTALS

This product can be applied via surface application or incorporated.

The following information and application rates are general recommendations only. Prior to using a new fertilizer program, it is recommended to conduct a product trial. The selection of product and application rate should be based on grower practices. Factors that may influence use include climate, specific crop, growing media, other nutrient sources, irrigation type and rainfall amount.

### PRECAUTIONS

Product clumping may occur when the bag sets for a period of time. Clumps are easily broken up by dropping the bag to the ground several times before opening.

This product contains the micronutrient iron for extra greening and to help prevent iron deficiency. Iron may stain concrete and other surfaces. Misapplied product to these surfaces should be removed promptly by sweeping or blowing. DO NOT WASH OFF WITH WATER.

Do not apply product 2 or 3 days prior to an anticipated frost.

**CAUTION:** The application of fertilizing materials containing molybdenum may result in forage crops containing levels of molybdenum which are toxic to ruminant animals.

| Surface Application Rates per Container |                                       |  |        |      |
|---|---------------------------------------|--|--------|------|
| Container Size                          | Approximate conatiner per Cubic Yard* | Application Rate - Grams per Container |        |      |
|   |                                       | Low                                    | Medium | High |
| Trade 1 gallon                          | 300                                   | 2                                      | 3      | 5    |
| Trade 2 gallon                          | 125                                   | 6                                      | 7      | 11   |
| 3 gallon                                | 70                                    | 10                                     | 13     | 20   |
| 5 gallon                                | 50                                    | 14                                     | 18     | 28   |
| 7 gallon                                | 35                                    | 19                                     | 25     | 38   |

\*Actual container fill rates are dependent on container brand, growing media and fill method and will vary.

| Incorporation Rates                 |      |        |      |
|-------------------------------------|------|--------|------|
| Volume or area of mix               | Low  | Medium | High |
| Per cubic foot ( oz. )              | 0.9  | 1.2    | 1.8  |
| Per cubic yard ( lb. )              | 1.5  | 2.0    | 3.0  |
| Per cubic meter ( kg )              | 0.9  | 1.2    | 1.8  |
| Lb. per 100 sq. ft. ( to 6" depth ) | 2.8  | 3.7    | 5.6  |
| Kg per sq. m. ( to 15 cm depth )    | 0.13 | 0.18   | 0.27 |

### Conventional Measures (level)\*

1 tsp. = 7 grams      1/4 cup = 85 grams      28 grams (g) = 1 ounce (oz)  
1 tbsp = 21 grams      1/3 cup = 110 grams      454 grams (g) = 1 pound (lb)  
1/2 cup = 170 grams  
1 cup = 340 grams

\*Approximate volume measures

### STORAGE AND USE

Store in a clean, dry place.  
Reseal opened bag by folding top down and securing.  
Use only clean, dry spreaders or applicators.  
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. Use contrary to label directions is not permitted.

### 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 U.S.A.

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



0 31865 32502 1

SGN 100  
Net Wt. 50 Lbs. (22.68 kg)

ASP83296.5