



ProMag[®] 36

Magnesium Supplement

for

Greens, Fairways, Lawns, Container & Specialty Crops

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| DESCRIPTION | ProMag [®] 36 is a unique non-burning combination of magnesium sources in dust free micro-prill form, to provide both immediate magnesium response and longer term magnesium availability in one product. | |
| USES | ProMag 36 is useful in a wide variety of applications including greens and fairways, specialty turf and garden requirements, and specialty ornamental and tropical plant needs. ProMag 36 can be applied directly to the treatment areas and is compatible when mixed with other nutrient sources. | |
| GUARANTEED NUTRIENT ANALYSES | Magnesium, (Mg) % | 36.0 |
| | Sulfur, (S) % | 6.0 |
| PHYSICAL PROPERTIES (Typical) | % Passing 10 mesh | 95 |
| | % Passing 40 mesh | 10 |
| | SGN | 100 |
| RECOMMENDED RATE | ProMag 36 should be used in conjunction with soil test and plant tissue analysis. See supplemental guide for additional recommendations. | |
| PACKAGING | Available in 50-lb polyethylene-lined, multi-walled bags and 2000-lb bulk sacks. | |
| STORAGE | Store in dry place. Excessive moisture may cause caking. | |

NOTICE

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Magnesia Specialties**



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**DUAL SOURCE
MAGNESIUM**

MICRO-PRILLED

VERSATILE

**PLANT & SOIL
BENEFIT**

**RECOMMENDED
USE**

ProMag[®] 36 is a unique non-burning combination of magnesium sulfate and magnesium oxide, providing both immediate and longer term magnesium availability in each granule.

ProMag 36 is micro-prilled to promote easy application and rapid canopy penetration of turf grasses used on golf course greens and fairways, lawns, and recreational areas.

ProMag 36 can be applied directly or blended with other plant food ingredients in a wide variety of formulations.

Magnesium, as provided by ProMag 36, is one of the most important building blocks of chlorophyll in green plants - the essential plant molecule to carry on photosynthesis. Magnesium is also associated with transfer reactions involving phosphate reactive groups. In addition, several plant enzyme activities also benefit from magnesium as supplied by ProMag 36.

In soils, magnesium from ProMag 36 functions to stabilize the base ion exchange, providing balance between calcium and potassium. If calcium or potassium are exceptionally high, magnesium uptake will be suppressed.

Soil test whenever possible. When a soil test is not available, use the following guidelines:

New turf - Broadcast 30-lbs/1000 sq. ft. prior to planting. Till into soil.

Established turf - Broadcast 10-20-lbs/1000 sq. ft./year plus amount needed to equalize base exchange.

Acidic soils - Apply 30-lbs/1000 sq. ft. Incorporate if possible. Split applications if necessary.

Golf course greens - New construction: incorporate 40-lbs/1000 sq. ft. into top 6 inches. Existing greens: Aerify, apply at 10-20-lbs/1000 sq. ft., prior to top-dressing. At least two applications will be necessary on most greens.

Potting soil mixes - 5-10-lbs/cu. yd. in soilless mixes or to nutrient recommendations.

Citrus - Dry tree fertilizer: incorporate in any granular mix to deliver 150-400 -lbs/acre.

New plantings - At time of planting, incorporate at 2-4-lbs in the backfill.

Nursery soil mix - Incorporate thoroughly into soilless mixes at a rate of 5-10-lbs/cu. yd.

Ornamentals, vegetables, row crops - Bed preparation: 150-300-lbs/acre in band applications the width of the bed. Furrow additive - 35-lbs/acre into furrow slice.

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AMP™ ProMag® 36

Magnesium Supplement



Advanced Micronutrient Products

Magnesium – An Essential Nutrient

The addition of AMP™ ProMag® 36 to the family of proven AMP products gives you another powerful tool to help grow and maintain healthy, great-looking turfgrass, bedding plants, ornamentals and horticultural crops.

ProMag 36 — a popular nutrient supplement among turfgrass and horticulture professionals for years — is a unique, non-burning combination of magnesium sulfate and magnesium oxide in a micro-prill form. AMP ProMag 36 allows you to provide both immediate magnesium response and longer term magnesium availability in one convenient product.

The Benefits of High-quality Magnesium for Greener Plants

Magnesium is one of the most critical building blocks of chlorophyll in turf and all green plants, and is essential for photosynthesis. Magnesium can also support transfer reactions involving phosphate reactive groups as well as several plant enzyme activities. In soils, magnesium functions to stabilize the base ion exchange, providing balance between calcium and potassium and helping to promote the uptake of nutrients.

AMP ProMag 36 is ideal for greens, tees and fairways as well as other professional landscape and ornamental applications. You can apply AMP ProMag 36 directly to the areas you want to treat, or mix it with other fertilizers as part of a complete nutrient management plan.

Like all AMP products, AMP ProMag® 36 is manufactured to be dust-free and uniform in size, so you can be sure of easier handling, consistent application and dependable performance. Our granulation process ensures that each granule of AMP ProMag 36 is homogeneous, containing each of the guaranteed elements.



What Secondary and Micronutrients Provide

- **Boron (B)** is an essential nutrient in cell development, flowering and pollination.
- **Calcium (Ca)** is a component of cell walls and membranes, and helps regulate cell growth.
- **Copper (Cu)** is needed for protein synthesis and nitrogen metabolism.
- **Iron (Fe)** performs vital functions in energy transfers, and is a component of many plant proteins.
- **Magnesium (Mg)** is the central molecule of chlorophyll, the plant's green pigment.
- **Manganese (Mn)** is a part of several plant enzymes, and plays a major role in photosynthesis.
- **Molybdenum (Mo)** plays a key role in protein synthesis, nitrogen metabolism and chlorophyll concentration.
- **Sulfur (S)** is essential for a variety of plant functions, and helps convert nitrogen into protein.
- **Zinc (Zn)** is needed to regulate the synthesis of protein, starch and growth hormones in plants.

AMP ProMag 36 – Guaranteed Analysis

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| Total Magnesium (Mg) <i>3.6% Water Soluble Magnesium (Mg)</i> | 36% |
| Sulfur (S) <i>6% Combined Sulfur (S)</i> | 6% |

AMP ProMag 36 – Product Characteristics

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| Moisture (H ₂ O) | 1-2% |
| ph of 10% wt./wt. Aqueous solution | 5-6% |
| Bulk Density (lbs/cu.ft.) | 75 |
| SGN (Size Guide Number) | 100 |
| Uniformity Index (UI) | 50 |

