# Precisely controlled nitrogen release





## Nitrogen When You Need It

Nutryon<sup>®</sup> premium slow-release nitrogen is a durable coating technology that provides precise, consistent and extended release. Nutryon<sup>®</sup> feeds gradually for stronger and healthier turf. Nutryon<sup>®</sup> will take the worry out of maintaining healthy turf while giving you the exceptional performance you demand.

## Turf Benefits

- Nutryon<sup>®</sup> fertilizers release nitrogen slowly and continually throughout the growth cycle of the plant resulting in precise, predictable feeding that lasts for months.
- Nutryon<sup>®</sup> is designed to release nitrogen based on temperature and soil moisture, allowing you to plan applications based on the needs of the plant.
- Nutryon<sup>®</sup> release mechanism will protect against nitrogen volatilization and leaching losses during periods of intense rainfall and also conserves nitrogen during periods of drought.





## How it Works

### **Advance Coating**

Nutryon<sup>®</sup> polymer-coated urea employs an advanced technology that provides controlled and predictable release of nutrients. The key component of the release mechanism is a thin, durable polymer membrane surrounding the nutrient source. This special coating is resistant to breakage and responds primarily to temperature and, to some extent, moisture.



#### **Temperature-Controlled Release**

Nutryon<sup>®</sup> is a unique polymer membrane which selectively allows soil moisture to diffuse through the coating, gradually dissolving the urea inside. Warmer soil temperatures activate nitrogen diffusion through the membrane in harmony with the plant's natural growth.



Water moves in through the coating

Urea dissolves into solution inside the granule

As soil temperature increases N moves out through the polymer

## **Environmental Benefits**



Due to the nature of Nutryon's<sup>®</sup> polymer coating, nitrogen is only released as plants are able to take it up, minimizing losses to leaching and denitrification. Durable Nutryon<sup>®</sup> is very resistant to breakage which allows for more predictable nutrient

release and turf growth. The result is consistent turf growth, clipping yields, less frequent mowing and a reduction of the carbon footprint of a turf management operation.



## **Available Products**

- 33-0-6 MID 100% Nutryon<sup>®</sup>
- 35-0-9 Premium 100% Nutryon<sup>®</sup>
- 24-3-12 Premium 50% Nutryon<sup>®</sup>
- 15-0-30 Premium 50% Nutryon<sup>®</sup>

#### For more information, contact Nutrite at:

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