

## SLOW RELEASE FERTILIZER

# Plantosan®

*The most experienced slow release fertilizer for horticulture*

*Nutrient release in conformity with the biological activity of the plant*

*Highest crop safety*

### Methylene-urea based slow release NPK fertilizer with magnesium and trace elements with a release time of approx. 8 - 10 weeks.

#### Description

Plantosan is a granular slow release fertilizer containing all macro- and micro-nutrients. It supplies the correct nutrient amount for plant development over a period of 8 - 10 weeks. As the nutrients are present both in a slowly available and immediately available form, a good starter effect is assured.

Approximately 70% of the nitrogen exists in the form of methylene urea. This controlled release nitrogen component is converted by microorganisms into nitrogen forms which are available to the plants. As this process, just like plant growth is temperature dependent, the nitrogen is supplied in accordance with the plant requirements.

#### Key benefits

- complete macro- and micro-nutrient supply
- nutrient release in accordance with plant requirements
- starter plus controlled release effect
- fertilized substrates can be stored cool and dry up to approx. 2 - 3 weeks
- no salt damages due to high substrate temperatures
- high compatibility for plants
- mechanical mixing is possible

#### Physiochemical properties

Appearance:	white granules
Bulk density:	approx. 0.84 kg/l
Particle size:	1 - 3 mm
<b>Packaging</b>	25kg plastic bag

**Contents:** NPK fertilizer containing ureaformaldehyde, magnesium, 20-4.3-12.5 (3.6) and micronutrients

<b>20</b>	<b>% N</b>	Total nitrogen 1.7 % N nitrate nitrogen 2.1 % N ammoniacal nitrogen 2.8 % N carbamide nitrogen 13.4 % N ureaformaldehyde
<b>4.3</b>	<b>% P</b>	Phosphorus soluble in neutral ammonium citrate and in water 1.7 % P soluble in water
<b>12.5</b>	<b>% K</b>	Potassium soluble in water
<b>3.6</b>	<b>% Mg</b>	Magnesium, total
<b>0.0570</b>	<b>% B</b>	Boron
<b>0.0900</b>	<b>% Cu</b>	Copper
<b>0.0500</b>	<b>% Fe</b>	Iron
<b>0.1120</b>	<b>% Mn</b>	Manganese
<b>0.0083</b>	<b>% Mo</b>	Molybdenum
<b>0.0250</b>	<b>% Zn</b>	Zinc
Low in chlorine		

## SLOW RELEASE FERTILIZER

# AZOLON® 39 N

*Biologically mediated N-release mechanism*

*Nutrient release matching the nutritional needs of the plant*

*Non-leaching Nitrogen*

### Slow release nitrogen fertilizer for special horticultural crops, turf and amenity areas with longer Nitrogen release duration.

#### Description

**AZOLON 39 N** is a slow release nitrogen fertilizer based on a specific composition of methylene-urea polymers. It contains 39% nitrogen.

It supplies the correct nutrient amount for plant development over a period of approx. 6 months (approx. 80% of the nitrogen). The remaining 20% will be mineralised over the next 4 - 8 months.

The nitrogen is released by microbial activity at a rate depending on polymer length, the longer polymers being more resistant to mineralisation than the short polymers.

#### Key benefits

- non-burning – high crop safety – low salt index
- ensures a long-lasting and uniform nitrogen supply
- slow release nitrogen liberated by microbial action
- fewer applications
- high sward density in turf
- no flushes of growth – less mowing frequencies
- satisfactory aesthetic appearance for turf
- improved root development
- improved plant health – increased drought tolerance
- environmentally safe

#### Contents

Ureaformaldehyde (methylene-urea)

<b>39 % N</b>	Total nitrogen
3,5 % N	carbamide nitrogen
35,5 % N	ureaformaldehyde nitrogen

#### Physiochemical properties

Appearance:	white granules
Bulk density:	approx. 0.84 kg/l
Particle size:	1 - 3 mm
<b>Packaging</b>	25kg plastic bag

