

# Plantacote®

## COATED CONTROLLED RELEASE FERTILIZERS



Stability



Elasticity



Proven Quality

Security<sup>3</sup>  
= Formula  
of success

**Plantacote® plus**

**Plantacote® Top K**

**PlantoSan®**

SLOW RELEASE FERTILIZER

**AZOLON® 39 N**

SLOW RELEASE FERTILIZER

Manufactured in Germany

Distributed in Australia by:  
Fernland Agencies – Ph: 1800 672 794



# Plantacote® plus

**Coated NPK fertilizer with magnesium and micronutrients, available with release times of approx. 4, 6, 8, 12 or 16 months.**

## Description

Plantacote plus is a coated controlled release fertilizer which, in addition to nitrogen, phosphorus and potassium, contains magnesium and trace elements in every granule. This ensures an even supply of major nutrients and trace elements over the desired release time.

The high iron content of Plantacote plus is crucial to good performance. Iron is essential for the formation of chlorophyll and is therefore vital for good foliage colour and healthy growth. To ensure high availability, 50% of the iron in Plantacote plus is chelated as Fe-EDTA.

The nutrients of Plantacote plus are released by a natural membrane process which is controlled by soil temperature. Declared release times refer to an average soil temperature of 21°C. Higher temperatures accelerate the nutrient release, lower temperatures slow it down.

The release time is unaffected by substrate type, pH, micro-organisms or level of irrigation.

Plantacote plus starts to release after 2 - 3 weeks. Due to this specific mechanism the product is very safe to crops; there is no risk of salt stress, even after storage of premixed growing media for up to 2 - 3 weeks.

Release of nutrients from Plantacote plus is attuned to the physiological requirements of the crop. Thus, release of nitrogen is most pronounced during crop establishment and release of potassium is more pronounced during the later stages.

## Key benefits

- each granule contains all essential nutrients
- no trace element supplements are necessary
- iron: high content, high availability
- very well suited to dibbling
- labour saving
- nutrient supply adjusted to plants' requirements:
  - extra nitrogen in early growth
  - extra potassium in later growth
- ultra-safe coating:
  - withstands extreme stress
  - delayed release mechanism

## **Contents – 8 month product**

NPK fertilizer containing magnesium, 14-3.4-12.5 (1.2) and micronutrients

<b>14</b>	<b>% N</b>	Total nitrogen
		6.3% N nitric nitrogen
		7.7% N ammoniacal nitrogen
<b>3.4</b>	<b>% P</b>	Phosphorus soluble in neutral ammonium citrate and in water
		2.7% P soluble in water
<b>12.5</b>	<b>% K</b>	Potassium soluble in water
<b>1.2</b>	<b>% Mg</b>	Magnesium, total
<b>4.5</b>	<b>% S</b>	Sulfur soluble in water
<b>0.03</b>	<b>% B</b>	Boron
<b>0.02</b>	<b>% Cu</b>	Copper
<b>0.4</b>	<b>% Fe</b>	Iron, 0.2% chelated by EDTA
<b>0.1</b>	<b>% Mn</b>	Manganese
<b>0.02</b>	<b>% Mo</b>	Molybdenum
<b>0.05</b>	<b>% Zn</b>	Zinc
		Low in Chlorine



Security<sup>3</sup> = Formula of success

**The reliable basis for growing high quality plants**

**Complete nutrient supply throughout the growing season**

**Uniquely tough and resilient coating**

**Unsurpassed crop safety**

**Environmentally safe**

**Lowers labour costs**

## Physiochemical properties

Appearance: beige-coloured granules

Bulk density: approx. 1.0 kg/l

Particle size: 2 - 4 mm

**Packaging** 25kg plastic bag

# Plantacote® Top K

**Potassium pronounced coated NPK fertilizer with magnesium and micronutrients, available with release times of approx. 4 or 6 months.**

## Description

Plantacote Top K is a coated controlled release fertilizer which, in addition to nitrogen, phosphorus and potassium, contains magnesium and trace elements in every granule. This ensures an even supply of major nutrients and trace elements throughout the growing season.

Plantacote Top K is especially designed for crops with a high potassium demand. Due to the N:K ratio of 1:1.25 of Plantacote Top K, excessive plant growth is avoided and thus the plant stability is promoted and the flowering performance improved.

The nutrients of Plantacote Top K are released by a natural membrane process which is controlled by soil temperature. Declared release times refer to an average soil temperature of 21°C. Higher temperatures accelerate the nutrient release, lower temperatures slow it down.

The release time is unaffected by substrate type, pH, micro-organisms or level of irrigation.

Plantacote Top K starts to release after 2 - 3 weeks. Due to this specific mechanism the product is very safe to crops; there is no risk of salt stress, even after storage of premixed growing media for up to 2 - 3 weeks.

## Key benefits

- improves flowering performance and plant stability
- each granule contains all essential nutrients
- complete nutrient supply throughout the growing season
- no trace element supplements are necessary
- very well suited to dibbling
- labour saving
- ultra-safe coating:
  - withstands extreme stress
  - delayed release mechanism

### Contents

NPK fertilizer containing magnesium, 10-4.3-12.5 (1.6) and micronutrients

<b>10</b>	<b>% N</b>	Total nitrogen 3.2% N nitric nitrogen 6.8% N ammoniacal nitrogen
<b>4.3</b>	<b>% P</b>	Phosphorus soluble in neutral ammonium citrate and in water 3.0% P soluble in water
<b>12.5</b>	<b>% K</b>	Potassium soluble in water
<b>1.6</b>	<b>% Mg</b>	Magnesium, total
<b>6</b>	<b>% S</b>	Sulfur soluble in water
<b>0.017</b>	<b>% B</b>	Boron
<b>0.017</b>	<b>% Cu</b>	Copper
<b>0.060</b>	<b>% Fe</b>	Iron
<b>0.050</b>	<b>% Mn</b>	Manganese
<b>0.070</b>	<b>% Zn</b>	Zinc

Low in Chlorine



Security<sup>3</sup> = Formula of success

**The reliable basis for growing high quality plants**

**Especially designed for crops with high potassium demand**

**Uniquely tough and resilient coating**

**Unsurpassed crop safety**

**Environmentally safe**

**Lowers labour costs**



## Physiochemical properties

Appearance: beige-coloured granules

Bulk density: approx. 1.0 kg/l

Particle size: 2 - 4 mm

**Packaging** 25kg plastic bag

## 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

