

# Plantacote® plus 16M

Coated NPK fertilizer with magnesium and micronutrients with a release time of approx. 16 months

## Contents

NPK fertilizer containing magnesium, 14-8-14-(2) and micronutrients

14 % N	Total nitrogen
	6.3% N nitric
	7.7% N ammoniacal
3.5 % P	Phosphorus
11.6 % K	Potassium
1.2 % Mg	Magnesium
0.02% B	Boron
0.02% Cu	Copper
0.4 % Fe	Iron, 0.2% chelated by EDTA
0.1 % Mn	Manganese
0.02% Mo	Molybdenum
0.02% Zn	Zinc

Low in chlorine

## Physical and chemical properties

Appearance: beige-coloured granules  
Bulk density (kg/l): approx. 1.0  
Particle size: 2 - 4 mm

## Description

**Plantacote Plus 16M** 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 with major nutrients and trace elements over a period of approx. 16 months.

The high iron content of **Plantacote Plus 16M** 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 16M** is chelated as Fe-EDTA.

The nutrients of **Plantacote Plus 16M** 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 16M** 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 16M** 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
- complete nutrient supply throughout the growing season
- 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

**Packaging:** 25 kg

Producer:



**Spezialdünger GmbH & Co. KG**

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Distributor:



Coated controlled release fertilizer



**Recommendations for use**

For stock fertilization of substrates, **Plantacote Plus 16M** should be evenly mixed with the substrate before planting. Additions to the substrate (e.g. lime) do not affect the product efficiency. The recommended rates of use refer to substrates containing no nutrients. If already fertilized substrates are to be used, the indicated rates of **Plantacote Plus 16M** should be reduced accordingly.

<b>Tree nursery (container-grown plants)</b>	
<b>Culture</b>	<b>Rates of use in kg/m<sup>3</sup> or g/l of substrate</b>
<b>Plants with low nutrient requirement, e.g.:</b>	
Picea abies	4.0-5.0
Pinus montana	4.0-5.0
Pinus mugo	4.0-5.0
Cotoneaster dammeri	4.0-5.5
Hypericum calycinum	4.0-5.5
Prunus laurocerasus	4.0-5.5
Rhododendron (Note varieties)	4.0-5.5
Kolkwitzia amabilis	4.5-5.5
Cotoneaster adpressus	4.5-5.5
Cornus kousa	5.0-6.0
Deutzia gracilis	5.0-6.0
Genista tinctoria	5.0-6.0
Hypericum patulum	5.0-6.0
Ligustrum vulgare	5.0-6.0
Pachysandra terminalis	5.0-6.0
Pinus nigra	5.0-6.0
Potentilla fruticosa	5.0-6.0
Prunus cerasifera	5.0-6.0
Ribes sanguineum	5.0-6.0
Taxus baccata	5.0-6.0
Viburnum plicatum	5.0-6.0

<b>Culture</b>	<b>Rates of use in kg/m<sup>3</sup> or g/l of substrate</b>
<b>Plants with average nutrient requirement, e.g.:</b>	
Cornus florida	5.5-6.5
Lonicera nitida	5.5-6.5
Philadelphus x virginialis	5.5-6.5
Spiraea japonica	5.5-6.5
Symphoricarpos chenaultii	5.5-6.5
Acer campestre	6.0-7.0
Amelanchier canadensis	6.0-7.0
Buddleia davidii	6.0-7.0
Chamaecyparis lawsoniana	6.0-7.0
Cytisus	6.0-7.0
Euonymus fortunei vegetus	6.0-7.0
Hydrangea paniculata	6.0-7.0
Ilex aquifolium	6.0-7.0
Juniperus communis	6.0-7.0
Juniperus squamata	6.0-7.0
Lonicera pileata	6.0-7.0
Spiraea bumalda	6.0-7.0
Thuja occidentalis	6.0-7.0
Weigela hybr.	6.0-7.0
Pyracantha coccinea	6.5-7.5
<b>Plants with high nutrient requirement, e.g.:</b>	
Cotoneaster multiflorus	7.0-9.0
Forsythia intermedia	7.0-9.0
Juniperus chinensis	7.0-9.0
Ligustrum ovalifolium	7.0-9.0
Viburnum rhytidophyllum	7.0-9.0

**Precautions:**

Store in a cool and dry place. The recommendations given here are of a general nature only. Carefully consult the special instructions for use before applying the product.