

Plantacote® plus 6M

Coated NPK fertilizer with magnesium and micronutrients with a release time of approx. 6 months

Contents

NPK fertilizer containing magnesium, 14-9-15-(2) and micronutrients

14	% N	Total nitrogen
		6.3% N nitric nitrogen
		7.7% N ammoniacal nitrogen
9	% P ₂ O ₅	Phosphorus pentoxide soluble in neutral ammonium citrate and in water
		7.2% P ₂ O ₅ soluble in water
15	% K ₂ O	Potassium oxide soluble in water
2	% MgO	Magnesium oxide, total
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

Physicochemical properties

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

Description

Plantacote Plus 6M 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. 6 months.

The high iron content of **Plantacote Plus 6M** 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 6M** is chelated as Fe-EDTA.

The nutrients of **Plantacote Plus 6M** 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 6M 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 6M** 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

Coated controlled release fertilizer



Recommendations for use

For stock fertilization of substrates, **Plantacote Plus 6M** 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 6M** should be reduced accordingly.

Production of bedding and balcony plants	
Culture	Rates of use in kg/m ³ or g/l of substrate
Brachyscome multif.	4.0
Calceolaria	3.0
Chrysanthemum frut.	4.0
Dahlia	3.0
Dianthus chinensis	4.0
Fuchsia	4.0
Gazania	3.5
Impatiens	3.0
Lantana	3.5
Pelargonium peltatum	4.0-5.0
Pelargonium zonale	4.0-5.0
Petunia	4.0
Salvia	4.0-5.0
Cultivation of potted plants	
Culture	Rates of use in kg/m ³ or g/l of substrate
Plants with low nutrient requirement, e.g.:	
Andiantum	2.5-3.5
Calceolaria hybr.	3.0-4.0
Crossandra	3.0-4.0
Fatsia	3.0-4.0
Guzmania	3.0-3.5
Maranta	3.0-4.0
Nephrolepis	3.0-4.0
Palms in general	3.0-4.0
Primula vulgaris	3.0-4.0
Pteris	2.0-2.5
Saintpaulia	2.5-3.0
Sansevieria	3.0-4.0
Schefflera	3.0-4.0
Scindapsus (Epipremnum)	3.0-4.0
Stephanotis	2.5-3.5
Plants with average nutrient requirement, e.g.:	
Abutilon	4.0-4.5
Acalypha	4.0-5.0
Brunfelsia	4.0-5.0
Cineraria	4.0-5.0
Cissus	4.0-5.0
Cyperus grass	4.0-5.0
Dieffenbachia	4.0-5.0
Fuchsia	3.5-4.5
Gerbera	4.0-5.0
Impatiens hybr.	4.0-5.0
Kalanchoe	3.5-4.5
Pachystachys	4.5-5.0
Peperomia	4.0-4.5
Sinningia	4.0-5.0
Plants with high nutrient requirement, e.g.:	
Aphelandra	4.5-5.5
Chrysanthemum	5.0-6.0
Codiaeum	5.0-6.0
Cyclamen	5.0-6.0
Euphorbia pulcherrima	5.0-6.0
Ficus benjamina	5.0-6.0
Ficus elastica	5.0-6.0
Hedera	4.0-6.0
Hibiscus	5.0-6.0
Monstera	5.0-6.0
Pelargonium grandiflorum	4.0-6.0
Philodendron	5.0-6.0
Streptocarpus	5.0-6.0

Cultivation of cut flowers	
Cut flowers in the final place, e.g. Chrysanthemum, Cyclamen, Gerbera, Carnations, Roses :50-80 g/m ²	
Tree nursery (container-grown plants)	
Culture	Rates of use in kg/m ³ or g/l of substrate
Plants with low nutrient requirement, e.g.:	
Hypericum calycinum	1.5-2.5
Picea abies	2.0-3.0
Pinus montana	2.0-3.0
Pinus mugo	2.0-3.0
Cotoneaster dammeri	2.0-3.0
Prunus laurocerasus	2.0-3.0
Rhododendron (Note varieties)	2.0-3.0
Kolkwitzia amabilis	2.5-3.5
Cotoneaster adpressus	2.5-4.0
Cornus kousa	3.0-4.0
Deutzia gracilis	3.0-4.0
Genista tinctoria	3.0-4.0
Hypericum patulum	3.0-4.0
Ligustrum vulgare	3.0-4.0
Pachysandra terminalis	3.0-4.0
Pinus nigra	3.0-4.0
Potentilla fruticosa	3.0-4.0
Prunus cerasifera	3.0-4.0
Ribes sanguineum	3.0-4.0
Taxus baccata	3.0-4.0
Viburnum plicatum	3.0-4.0
Plants with average nutrient requirement, e.g.:	
Cornus florida	3.5-4.5
Lonicera nitida	3.5-4.5
Philadelphus x virginalis	3.5-4.5
Spiraea japonica	3.5-4.5
Symphoricarpos chenaultii	3.5-4.5
Acer campestre	4.0-5.0
Amelanchier canadensis	4.0-5.0
Buddleia davidii	4.0-5.0
Chamaecyparis lawsoniana	4.0-5.0
Cytisus	4.0-5.0
Euonymus fortunei vegetus	4.0-5.0
Hydrangea paniculata	4.0-5.0
Ilex aquifolium	4.0-5.0
Juniperus communis	4.0-5.0
Juniperus squamata	4.0-5.0
Lonicera pileata	4.0-5.0
Pyracantha coccinea	4.0-5.0
Spiraea bumalda	4.0-5.0
Thuja occidentalis	4.0-5.0
Weigela hybr.	4.0-5.0
Plants with high nutrient requirement, e.g.:	
Cotoneaster multiflorus	5.0-6.0
Forsythia intermedia	5.0-6.0
Juniperus chinensis	5.0-6.0
Ligustrum ovalifolium	5.0-6.0
Viburnum rhytidophyllum	5.0-6.0
Amenity areas	
Bedded flowers, herbaceous perennials and woody plants : 80-100 g/m ²	
Flowers, herbaceous perennials and woody plants in troughs and tubs : 5 g/l of substrate.	

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.