

Plantacote® plus 4M

Coated NPK fertilizer with magnesium and micronutrients with a release time of approx. 4 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 4M 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. 4 months.

The high iron content of **Plantacote Plus 4M** 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 4M** is chelated as Fe-EDTA.

The nutrients of **Plantacote Plus 4M** 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 4M 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 4M** 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 4M** 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 4M** should be reduced accordingly.

Production of bedding and balcony plants	
Culture	Rates of use in kg/m ³ or g/l of substrate
Ageratum	2.5
Alyssum	2.0
Begonia semperflorens	2.5
Brachyscome multif.	3.5
Calceolaria	2.5
Chrysanthemum frut.	3.5
Dahlia	2.5
Dianthus chinensis	3.5
Fuchsia	3.5
Gazania	3.0
Heliotropium	2.5
Impatiens	2.5
Lantana	3.0
Lobelia erinus	3.0
Pelargonium peltatum	3.5-4.5
Pelargonium zonale	3.5-4.5
Petunia	3.5
Salvia	3.5-4.5
Sanvitalia procumb.	3.0
Tagetes	3.0
Verbena	2.5
Begonia semperflorens	50-80 g/m ²
Seedling production of potted plants	
Culture	Rates of use in kg/m ³ or g/l of substrate
Plants with low nutrient requirement, e.g.:	
Anthurium scherzerianum hybr.	1.5
Primula accaulis	1.5
Primula obconica	1.5
Plants with average nutrient requirement, e.g.:	
Anthurium andreanum hybr.	2.0-2.5
Begonia Elatior hybr.	2.0-2.5
Begonia Gloire de Lorraine	2.0-2.5
Cyclamen	2.0-2.5
Euphorbia fulgens	2.0-2.5
Euphorbia pulcherrima	2.0-2.5
Sinningia (Gloxinia)	2.0-2.5
Plants with high nutrient requirement, e.g.:	
Asparagus densiflorus	2.5-3.0
Chrysanthemum	2.5-3.0
Codiaeum	2.5-3.0
Pelargonium	2.5-3.0

Cultivation of potted plants	
Culture	Rates of use in kg/m ³ or g/l of substrate
Plants with low nutrient requirement, e.g.:	
Begonia Rex	2.5-3.5
Beloperone	2.5-3.5
Browallia	2.0-2.5
Calceolaria hybr.	2.5-3.0
Coleus	2.5-3.5
Crossandra	2.5-3.0
Nephrolepis	2.5-3.5
Primula malacoides	2.0-2.5
Primula obconica	2.5-3.0
Primula vulgaris	2.0-3.0
Pteris	1.5-2.0
Saintpaulia	1.5-2.0
Plants with average nutrient requirement, e.g.:	
Abutilon	3.0-4.0
Begonia Elatior	3.0-4.0
Begonia Gloire de Lorraine	3.0-4.0
Begonia tuberhybrida	3.0-4.0
Brunfelsia	3.5-4.5
Cineraria	3.0-4.0
Cissus	3.0-4.0
Cyperus grass	3.0-4.0
Dieffenbachia	3.0-4.0
Fuchsia	3.0-4.0
Impatiens hybr.	3.5-4.5
Kalanchoe	3.0-4.0
Pachystachys	3.5-4.5
Peperomia	3.0-3.5
Sinningia	3.0-4.0
Plants with high nutrient requirement, e.g.	
Aphelandra	4.0-4.5
Chrysanthemum	4.0-5.5
Codiaeum	4.0-5.0
Hedera	3.0-5.0
Hibiscus	4.5-5.0
Pelargonium	4.0-5.0
Streptocarpus	4.0-5.0

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.