

Plantosan®

Methylene urea controlled release fertilizers

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

Contents

NPK fertilizer containing methylene urea, magnesium, 20-10-15-(6) and micro-nutrients

20	% N	Total nitrogen
		1.7 % N nitrate
		2.1 % N ammoniacal
		2.8 % N carbamide
		13.4 % N methylene urea
4.4	% P	Phosphorus
12.5	% K	Potassium
3.6	% Mg	Magnesium
0.0570	% B	Boron
0.0900	% Cu	Copper
0.0500	% Fe	Iron
0.1120	% Mn	Manganese
0.0083	% Mo	Molybdenum
0.0250	% Zn	Zinc

Low in chlorine

Physical and chemical properties

Appearance: gray granules
Bulk density (kg/l): approx. 0.85
Particle size: 1-3 mm

Description

PLANTOSAN is a granular controlled 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 micro-organisms 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 micronutrient 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

Fields of application

- seedling production of vegetables
- seedling production of potted plants
- production of bedding and balcony plants
- top dressing of cut flowers
- top dressing in tree nurseries
- top dressing of flowers and woody plants in public green

Packaging: 25 kg

Producer:



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Distributor:

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Recommendations for use

For stock fertilization, **PLANTOSAN** should be evenly mixed with the substrate before planting.

For top dressing, **PLANTOSAN** should be evenly spread on bed and container surfaces.

The indicated rates of use apply to substrates containing no nutrients. If other fertilizers are to be added, the recommended rates of **PLANTOSAN** should be reduced accordingly.

Vegetables - Seedling production	
Culture	Rates of use in kg/m ³ or g/l of substrate
Celery	1.5
Leek	1.5
Cucumbers	1.5-2.0
Head lettuce	1.5-2.0
Peppers	1.5-2.0
Savoy cabbage	1.5-2.0
Cauliflower	2.0
Brussels sprouts	2.0
Cabbage red / white	2.0
Tomatoes	2.0

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.:	
Adiantum	0.75
Anthurium scherzerianum hybr.	0.75
Primula accaulis	0.75
Primula obconica	0.75
Plants with average nutrient requirement, e.g.:	
Anthurium andreaum hybr.	1.0
Begonia Elatior hybr.	1.0
Cyclamen	1.0
Euphorbia pulcherrima	1.0
Sinningia (Gloxinia)	1.0
Plants with high nutrient requirement, e.g.:	
Asparagus densiflorus	1.5
Chrysanthemum	1.5
Codiaeum	1.5
Pelargonium	1.5

Production of bedding and balcony plants	
Culture	Rates of use in kg/m ³ or g/l of substrate
Pricking-out soils	1.0-2.0
Seeding soils	0.5-1.0

Top dressing of cut flowers	
Cut flowers in the final place in original soil, e.g. Chrysanthemum, Cyclamen, Gerbera, Carnations, Roses : 40-60 g/m ² .	
Top dressing in tree nurseries	
Fields of application	Rates of use g/l
Container-grown plants	
- Top dressing in the 2nd year of cultivation	1-3
- Top dressing of plants in partly fertilized substrates	1-2
Fields of application	Rates of use g/m ²
Surface fertilization	
- Shrubs (2 applications)	20-40
- Broad-leaved trees and conifers (1-2 applications)	50
Top dressing in amenity areas	
Fields of application	Rates of use* g/m ²
Ornamental shrubs in parks and public gardens	
Roses	30-50
Roadside and dump plantation:	
- 1-year-old seedlings	30
- medium-sized bushes	50
- bushes and stem bushes	50
- half standards and standard trees	50
*1 - 2 applications / year	

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.