GELACTIVE NPK 18-7-5 FLAKES

ORGANO-MINERAL FERTILISER
NPK (CaO)+C 18-7-5 (10) +10

Provides NPK from high-quality mineral and organic-protein matrices

Improves fertilisation efficiency through **GEL ACTIVE FOAM®** technology

Promotes regular vegetative growth

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GELACTIVE NPK 18-7-5 FLAKES

Characteristics

GELACTIVE NPK 18-7-5 FLAKES is one of the new formulations born in our research centre in collaboration with universities, thanks to the development of our new patented process technology **GEL ACTIVE FOAM®**. This technology, acting on pressures and temperatures during the production process, particularly in the thermobaric hydrolysis phase, allows the protein molecule to release regular fractions of amino acid chains, ensuring a more regular release of organic protein nitrogen, further enhanced by the physical form of flakes measuring approximately 2 mm. **GELACTIVE NPK 18-7-5 FLAKES** is an organo-mineral NPK fertiliser obtained through a reaction between mineral matrices and organic-protein components. The formulation process is designed to maximise the protection of mineral elements, particularly phosphorus (P) and potassium (K), reducing losses caused by insolubilisation. The formulation includes: organic nitrogen with slow mineralisation, a significant amount of ureic nitrogen, a balanced ratio of P and K, and a highly selected fraction of organic matter. The presence of organic nitrogen of protein origin ensures a gradual and constant release of the element, promoting regular vegetative development and limiting losses due to leaching. The high quality of the organic matrices used gives the product excellent agronomic efficiency, resulting in a reduction in fertiliser units compared to traditional mineral fertilisers, with a consequent optimisation of costs and a lower environmental impact. The fertiliser is suitable for autumn and late winter fertilisation of tree crops. It is also suitable for fertilising horticultural crop. This formulation, like all those in the **GELACTIVE FLAKES** line, allows for a reduction of approximately 15-20% in application doses compared to a conventional pellet formulation, thanks to its improved agronomic efficiency.

Composition

	w/w
Total nitrogen (N)	18.0%
Ureic nitrogen (N)	16.0%
Organic nitrogen (N)	2.0%
Total calcium oxide (CaO)	10.0%
Water-soluble potassium oxide (K_2O)	5.0%

	w/w
Phosphoric anhydride (P_2O_5) soluble in mineral acids	7.0%
Phosphoric anhydride (P_2O_5) soluble in 2% formic acid	3.8%
Organic matter	20.0%
Organic carbon (C)	10.0%

Components

ORGANIC FERTILISERS:
Hydrolysed leather and hides
Meat meal
Bone meal
Mixture of organic NP fertilisers
Mixture of organic nitrogenous fertilisers

MINERAL FERTILISERS:
Urea
Soft natural phosphorus
Mixed potassium salts

It can also be used in fertilisation plans that benefit from the incentives provided by local regulations and regional, national and European laws.

Doses and Instructions

CROPS	APPLICATION RATES Kg/ha
Fruit trees	500-550 during planting, pre-vegetative growth phase, and post-harvest
Horticultural crops	550-650 pre-sowing or transplanting
Ornamental crops	300-400 pre-sowing or transplanting
Industrial crops	550-750 pre-sowing or transplanting
Fresh-cut produce crops	250-300 pre-sowing

* Suggested application rates are indicative and may vary depending on local conditions and crop needs.

Formulation	Packaging	Diameter	Umidity
Flakes	25 -500 kg	2 mm	< 10%

Warnings

The product should be incorporated into the soil, ensuring it does not come into direct contact with the plant. Store in a weather-protected area.

Technical Notes

SOIL APPLICATION

FLAKES

ORGAMIN-P®

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