GELACTIVE
NPK 12-5-5 FLAKES

ORGANO-MINERAL FERTILISER
NPK (CaO)+C 12-5-5 (7) +14

Provides a high proportion of organic nitrogen, combined with a ureic fraction stabilised by the organic matter

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

Promotes root system development

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GELACTIVE NPK 12-5-5 FLAKES

Characteristics

GELACTIVE NPK 12-5-5 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 12-5-5 FLAKES** is an organ-mineral NPK fertiliser obtained through a reaction between mineral components and organic matrices, designed to enhance posphates and micronutrients protection against insolubilisation processes. **GELACTIVE NPK 12-5-5 FLAKES** is a complete fertiliser enriched with sulphates and calcium. The product provides a high level of organic nitrogen and an ureic fraction stabilised with the organic matter, which slows down its hydrolysis. The organic nitrogen mineralises gradually, ensuring a constant organic matter supply over 30-45 days after the application and incorporation. The combined action of organic matter and protein matrices, increases the soil microbial biomass, improves the micronutrients assimilation, paticularly iron, and promotes a greater phospates availability. In addition, the stimulation of the soil enzymatic activity enhances the development of the roots system. Thanks to the presence of organic nitrogen, the formulation contribute to limit nitrates losses through leaching, supporting, at the same time, a balanced vegetative growth. This results in improved plant physiology, greater resistance to major phytopathologies, and increased tolerance to environmental stresses, especially water and temperature stress. **GELACTIVE NPK 12-5-5 FLAKES** is suitable for a wide range of crops and is particularly recommended for autumn and spring basal fertilisation, as well as for top dressing applications in orchards, with or without grass cover. 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)	12.0%
Ureic nitrogen (N)	10.0%
Organic nitrogen (N)	2.0%
Calcium oxide (CaO) soluble in water	7.0%
Water-soluble potassium oxide (K_2O)	5.0%

	w/w
Phosphoric anhydride (P_2O_5) soluble in mineral acids	5.0%
Phosphoric anhydride (P_2O_5) soluble in 2% formic acid	2.75%
Organic matter	28.0%
Organic carbon (C)	14.0%

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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