GELACTIVE
NPK 16-5-5 NBPT FLAKES

ORGANO-MINERAL FERTILISER
NPK (CaO)+C 16-5-5 (6) +11 with urease inhibitor N- (n -butyl) thiophosphoric triamide (NBPT)

Provides organic nitrogen with gradual release and ureic nitrogen inhibited with NBPT

Also provides P and K bound to the organic protein matrix

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

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GELACTIVE NPK 16-5-5 NBPT FLAKES

Characteristics

GELACTIVE NPK 16-5-5 NBPT 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 16-5-5 NBPT FLAKES** is an organo-mineral NPK fertiliser obtained through a reaction between mineral components and organic-protein matrices, using co-extrusion technology that optimises the interaction and stabilisation of nutrients. The product is characterised by organic nitrogen with slow natural mineralisation and ureic nitrogen treated with NBPT (urease inhibitor), which delays hydrolysis, reducing losses and increasing efficiency of use. In addition, the synergy between organic nitrogen with gradual release and nitrogen inhibited with NBPT ensures a progressive, prolonged and constant supply of nutrients to crops throughout the entire vegetative-productive cycle. The formulation also provides P and K from sulphate, both of which are fully assimilable by crops and bound to the organic-protein matrix, which limits insolubilisation processes. **GELACTIVE NPK 16-5-5 NBPT FLAKES** is suitable for all types of soil, resulting particularly effective in soils with high pH and low organic matter content. The product is recommended for autumn and spring basal fertilisation and maintenance of orchards, vineyards, horticultural crops and all crops that are affected by the presence of chlorides. It can also be used in grassed areas or in conditions where incorporation is not possible. 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)	16.0%
Ureic nitrogen (N)	14.0%
Organic nitrogen (N)	2.0%
Total calcium oxide (CaO)	6.0%

	w/w
Phosphoric anhydride (P_2O_5) soluble in mineral acids	5.0%
Water-soluble potassium oxide (K_2O) with low chlorine content	5.0%
Organic matter	22.0%
Organic carbon (C)	11.0%

Components

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

MINERAL FERTILISERS:
Urea
Potassium sulphate
Soft natural phosphorus

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	450-500 during planting, pre-vegetative growth phase, and post-harvest
Horticultural crops	550-600 pre-sowing or transplanting
Ornamental crops	250-400 pre-sowing or transplanting
Industrial crops	500-650 pre-sowing or transplanting
Fresh-cut produce crops	200-250 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

NBPT NBPT

ORGAMIN-P®

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