

# GELACTIVE NPK 4-8-16 FLAKES

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ORGANO-MINERAL FERTILISER  
NPK (CaO)+C  
4-8-16 (11) +11

**Contributes** to the regular development of fruit and improves its  
post harvest shelf life

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**Increases** microbial biomass in the soil and improves the availability of  
microelements

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



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# GELACTIVE NPK 4-8-16 FLAKES

## Characteristics

**GELACTIVE NPK 4-8-16 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 4-8-16 FLAKES** is an organo-mineral NPK fertiliser obtained through the reaction of raw materials, formulated to enhance the high organic nitrogen content and improve the assimilability of phosphates through the action of complexing organic components. The organic nitrogen present gradually mineralises over 30-45 days after application, ensuring a gradual release. The addition of organic matter increases the microbial biomass in the soil, improving the availability of microelements, particularly iron, and promoting better phosphate absorption. The presence of potassium contributes to the regular development of the fruit and improves its post harvest shelf life, while the increase in soil enzyme activity stimulates root growth. The balance between organic and mineral components reduces nitrate leaching losses, promotes uniform plant growth and increases resistance to plant diseases and environmental stresses, both hydric and thermal. **GELACTIVE NPK 4-8-16 FLAKES** is particularly suitable for autumn and spring basal fertilisation, even in grassed vineyards and tree crops. The formulation is also recommended for base and maintenance treatments in soils deficient in phosphorus and potassium, in orchards, vineyards and citrus trees, with or without grass cover, and is also widely used in high-value herbaceous cultures such as potatoes, tomatoes, sugar beet, melons and tobacco. 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)                                                                                          | 4.0% |
| Ureic nitrogen (N)                                                                                          | 2.0% |
| Organic nitrogen (N)                                                                                        | 2.0% |
| Total phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> )                                                 | 8.0% |
| Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) soluble in mineral acids - Min. 55% in formic acid 2% | 8.0% |

|                                                  | w/w   |
|--------------------------------------------------|-------|
| Water-soluble potassium oxide (K <sub>2</sub> O) | 16.0% |
| Total calcium oxide (CaO)                        | 11.0% |
| Organic matter                                   | 22.0% |
| Organic carbon (C)                               | 11.0% |

## Components

### ORGANIC FERTILISERS:

Mixture of organic NP fertilisers  
Mixture of organic nitrogenous fertilisers

### MINERAL FERTILISERS:

Soft natural phosphorus  
Mixed potassium salts  
Urea

*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

Fruit trees  
Horticultural crops  
Ornamental crops  
Industrial crops  
Fresh-cut produce crops

### APPLICATION RATES Kg/ha

500-550 during planting, pre-vegetative growth phase, and post-harvest  
600-750 pre-sowing or transplanting  
350-500 pre-sowing or transplanting  
600-700 pre-sowing or transplanting  
350-400 pre-sowing

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

## Formulation

Flakes

## Packaging

25 -500 kg

## Diameter

2 mm

## Humidity

< 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

**GEL ACTIVE FOAM®** **ORGAMIN-P®**



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