

# GELACTIVE NPK 8-16-12 FLAKES

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ORGANO-MINERAL FERTILISER

NPK (SO<sub>3</sub>-CaO)+C

8-16-12 (10-9) +9

**Provides** nitrogen, potassium, phosphorous from sulphate and a significant amount of organic matter

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**Enhances** the soil structure and increases the micronutrient uptake

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



**organazoto**

info@organazoto.it  
www.organazoto.it



# GELACTIVE NPK 8-16-12 FLAKES

## Characteristics

**GELACTIVE NPK 8-16-12 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 8-16-12 FLAKES** is a LCC organo-mineral NPK fertiliser, obtained through a reaction between mineral components and unified and organic protein matrices, created to ensure the maximum protection of phosphates against the insolubilisation processes and to promote the chelation of micronutrients. This is a complete fertiliser, characterised by high level of organic nitrogen with natural slow release, phosphorus, potassium from sulphate and a significant amount of organic matter (>14%), that includes humic and fulvic acids from natural and plant origins. The formulation combines different nitrogen forms, providing a differentiated, continuous and complete nutritional supply to the crops, throughout the entire vegetative cycle. The phosphorus is highly available and protected by the organic fraction, which reduces the insolubilisation processes, while the high content of potassium from sulphate ensures a low chloride supply. Thanks to the high agronomic efficiency **GELACTIVE NPK 8-16-12 FLAKES** is capable to decrease the fertiliser units, with a reduction of the costs and a lower environmental impact. The product is particularly suitable for the basal and maintenance fertilisation, in soil poor in phosphorus and potassium, in orchards, vineyards and citrus groves, with or without grass cover. It is also widely used in crops such as potato, tomato, sugar beet, melon 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)                                                         | 8.0%  |
| Ureic nitrogen (N)                                                         | 3.0%  |
| Organic nitrogen (N)                                                       | 1.5%  |
| Ammoniacal nitrogen (N)                                                    | 3.5%  |
| Water-soluble sulphur trioxide (SO <sub>3</sub> )                          | 10.0% |
| Water-soluble potassium oxide (K <sub>2</sub> O) with low chlorine content | 12.0% |
| Calcium oxide (CaO) soluble in water                                       | 9.0%  |

## Components

### ORGANIC FERTILISERS:

- Mixture of organic NP fertilisers
- Mixture of organic nitrogenous fertilisers

w/w

|                                                                                                             |       |
|-------------------------------------------------------------------------------------------------------------|-------|
| Total phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> )                                                 | 16.0% |
| Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) soluble in neutral ammonium citrate and water         | 9.0%  |
| Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) soluble in water                                      | 8.0%  |
| Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) soluble in mineral acids - Min. 55% in formic acid 2% | 14.0% |
| Organic matter                                                                                              | 18.0% |
| Organic carbon (C)                                                                                          | 9.0%  |

### MINERAL FERTILISERS:

- Urea
  - EC NP Fertiliser
  - 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

- 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
- 550-700 pre-sowing or transplanting
- 400-550 pre-sowing or transplanting
- 500-600 pre-sowing or transplanting
- 300-400 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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