# FOSFÒ ACID

## **FLUID FERTILIZERS** (NP-NPK) **+ Micro** ($P_2O_5$ from Phosphates)


### STRENGTHS

- STIMULATE ROOTING, FLOWERING, VEGETATIVE DEVELOPMENT AND FRUIT FILLING
- **FAST ACTION** (THANKS TO ASCENDING AND DESCENDING SYSTEM)
- ALTERNATIVES TO MAP, MPK, UREA PHOSPHATE AND CRYSTALLINE WATER SOLUBLES

### PACKAGE

Jerrycans 5 L (4x5)
Jerrycans 20 L
Tank 1000 L

## FEATURES

**FOSFÒ ACID** is a family of high-quality fluid fertilisers for root, spray and foliar applications, designed to meet the nutritional needs of different crops. The peculiarity of **FOSFÒ ACID** is that it comes from $P_2O_5$ **phosphorous acid**, salified with other cations (Potassium, Magnesium, Calcium, Copper, Zinc, etc.), while in **FOSFÒ ACID** it comes from **phosphoric acid**. They are characterised by a strong ascending and descending systemicity resulting in rapid penetration into plant tissues, thus carrying out a nutritive and protective activity at the same time. The special chemical formula of the phosphite ion also increases the rate of uptake by promoting greater mobility within the plant.
**FOSFÒ ACID**, which have been specially developed in this way, stimulate plants to produce **more phytoalexins** (natural substances with a self-defence function), increase resistance to certain plant diseases and disorders, improve vegetative growth and health status.
**FOSFÒ ACID** are the alternative to powdered phosphate fertilisers and phosphites. They are highly soluble fluid products, characterised by the presence of the **phosphate** ion, which is highly mobile in the plant and can be displaced in any direction. Phosphonate residues free.

## EFFECTS AND BENEFITS

**FOSFÒ ACID NP 20.10 + Fe EDTA + Micro**
prepare the plant optimally for flowering and allow better translocation of nutrients, even if the lymph flow is interrupted by parasite attacks. They allow greening of the vegetation, increase the production of chlorophyll and photosynthetic activity. They increase the size and weight of fruit and vegetables and the protein **content of** grains, resulting in increased production and quality characteristics.

**FOSFÒ ACID 3.40 + 7,0 Zn + (0,2 Mn)**
Ideal for post-seeding and post-transplant application to help overcome germination and rooting difficulties in the early stages. Zinc also catalyses the synthesis of **tryptophan** (amino acid precursor of indoleacetic acid, a natural auxinic growth-regulating substance), which stimulates root growth and vegetative development. They can be applied both by fertigation and foliar application. Thanks to their ascending and descending system, they show immediate nutritional activity on the plants and make the crops more resistant to plant diseases.
**FOSFÒ ACID 3.40** they can also be used for cleaning driplines.

**FOSFÒ ACID NPK 12.12.12** is high-quality liquid fertilisers with a balanced content of nitrogen, phosphorus, potassium and chelated trace elements, which can be used in all crops in different phenological states. They can be applied by fertigation, spraying or foliar application, and thanks to their ascending and descending systems they show immediate nutritional activity on the plants and make the crops more resistant to plant diseases.

**FOSFÒ ACID NPK 3.10.30**
Indicated to stimulate flowering, root growth, crop development, but especially to bring about **earlier ripening**, higher **sugar concentration** and improved **colour** and **flavour** in fruit and vegetables. Can be used until the onset of ripening. **No residual phosphonates.**

Is enriched with **methionine** (an amino acid that is a precursor of ethylene), which is capable of accelerating the physiological activities of plants and especially of reducing the organic acids present in the fruit, and of promoting the production of anthocyanin pigments that favour colouration. Applied by fertigation it is particularly suitable for uniform ripening, reducing the number of green fruits in the case of single harvest, reducing the number of harvest passages.

**FOSFÒ ACID NP 6.40 + 2 MgO + MICRO**
is a high-quality liquid fertiliser that can be applied by both fertigation and foliar application. Due to its high phosphorus content, it is suitable for stimulating seed germination, stimulating root growth and crop development, as well as promoting rich and abundant flowering. **FOSFÒ ACID NP 6.40** used by foliar application at higher dosages (400-500 ml/hl) exerts a containment activity of "**vegetative excesses**". **FOSFÒ ACID NP 6.40** thanks to its special formulation, can also be used for cleaning fertigation systems (drip lines).

## DOSES AND METHODS OF USE

| | FERTIGATION | FOLIAR APPLICATION |
|---|---|---|
| FOSFÒ ACID NP 3.40 (0,2 Mn) (7,0 Zn)<br>FOSFÒ ACID NP 6.40 + 2 MgO + MICRO | **Vegetable crops in open field and in greenhouses:** 20-50 l/ha<br>**Vine and olive tree**: 20-50 l/ha<br>**Citrus and fruit trees**: 30-60 l/ha in a single application at vegetative recovery<br>**Wheat**: 20-40 l/ha (increases protein content, fertility and ear weight)<br>**Flower crops**: 20-40 l/ha. | **200-250 ml/hl** |
| | Combination with cupric products is only possible on grapes, tomatoes and olives. On other crops, carry out preliminary tests before extending the treatment. | |
| FOSFÒ ACID NP 20.10 + Fe EDTA + MICRO | **Vegetable crops in open field and in greenhouses:** 30-60 l/ha<br>**Vine and olive tree:** 30-70 l/ha<br>**Citrus and fruit trees:** 40-70 l/ha in a single application at vegetative recovery<br>**Wheat:** 20-50 l/ha<br>**Fructiculture**: 20-50 l/ha. | **Various vegetables, flowers:** ml 200-250/hl<br>**Fruit trees:** ml 250-300/hl<br>**Grapevine:** ml300/hl at vegetative restart, pre-flowering, cluster closure<br>**Citrus, kiwi and olive:** ml 250-350/hl pre and post flowering<br>**Lettuce and leafy vegetables:** ml 200-250/hl |
| | **BLENDING**: The product cab be blended with the most common pesticides and herbicides except those with an alkaline reaction. Preliminary tests for compatibility are recommended. | |
| FOSFÒ ACID NPK 12.12.12<br>FOSFÒ ACID NPK 3.10.30 + METIONINA | **Vegetable crops in open field and in greenhouses**: 20-40 l/ha<br>**Vine and olive tree**: 20-50 l/ha<br>**Citrus and fruit trees**: 20-50 l/ha in a single application at vegetative recovery<br>**Flower crops**: 10-30 l/ha | **200-250 gr/hl** |
| | Combination with cupric products is only possible on grapes, tomatoes and olives. On other crops, carry out preliminary tests before extending the treatment. | |
| **BLENDING**: The product cab be blended with the most common pesticides and herbicides except those with an alkaline reaction. Preliminary tests for compatibility are recommended. | | |

## COMPOSITION — CHEMICAL-PHYSICAL PROPERTIES

| PRODUCT | Tot. N. | Nitric N. | Amm. N. | Ureic N. | $P_2O_5$ | $K_2O$ | MgO | Fe EDTA | Cu EDTA | Cu Sol. in $H_2O$ | Zn EDTA | Zn Sol. in $H_2O$ | Mn EDTA | Mn Sol. in $H_2O$ | B Sol. in $H_2O$ | pH | Density | Conductivity E.C. 1‰ mS/cm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FOSFÒ ACID NP 3.40 +7 Zn** + (0,2 Mn) | **3,0** | | 1,7 | 1,3 | **40,0** | | | | | | | **7,0** | 0,2 | | | 2,5 | 1,50 | 0,80 |
| **FOSFÒ ACID NP 6.40** + 2 MgO+ MICRO | **6,0** | 2,9 | 3,1 | | **40,0** | | **2,0** | **0,02** | | 0,15 | 0,08 | | 0,06 | | 0,10 | 3,0 | 1,52 | 0,90 |
| **FOSFÒ ACID NP 20.10** + Fe EDTA + MICRO | **20,0** | | | 20,0 | **10,0** | | | **0,3** | | 0,10 | | 0,10 | | 0,06 | 0,12 | 3,0 | 1,24 | 0,18 |
| **FOSFÒ ACID NPK 12.12.12** | **12,0** | | | 12,0 | **12,0** | 12,0 | | | | | | | | | | 7,2 | 1,27 | 0,28 |
| **FOSFÒ ACID NPK 3.10.30 + METIONINA** | **3,0** | | | 3,0 | **10,0** | 30,0 | | | | | | | | | | 11,5 | 1,50 | 0,98 |