

# PLANT STRENGTHENERS



## PHOSPHIT-ONE

**NPK fertilizer with vegetal amino acids**  
**Stimulator of plant natural defences**

PHOSPHIT-ONE is a liquid fertilizer developed to improve the nutritional status of plants providing Nitrogen (N), Phosphorous (P) and Potassium (K). It activates the natural, physical and biochemical mechanisms of defence and resistance to climatic and pathogenic adversities.

PHOSPHIT-ONE promotes particularly the formation of the phytoalexins, the thickening of the cells walls and the lignification; these processes are an effective physical barrier against the penetration of the pathogens.



### INCREASED RESISTANCE TO DISEASES

PHOSPHIT-ONE, thanks to its nutritional action, stimulates the self-defences of the plant through the synthesis and translocation of phytoalexins. The phytoalexins are natural compounds (eg. phenols, terpenes, etc.) that plants produce to increase their resistance to pathogens. Phytoalexins, if in enough quantities, favour the breaking of the cell membranes of pathogenic bacteria, blocking its development.

### USE AND DOSE

PHOSPHIT-ONE can be used both for foliar treatments and fertigation and it is miscible with the most common phytosanitary products and fertilizers. Before using we recommend testing on small surface for compatibility with other products. Doses and mode of use are to be determined according to the requirements and the nutritional situation of the cultivation. Under standard conditions:

#### Trees (orchards and vineyards):

Fertigation: 7-10 litres/hectare.

Foliar: 1,5-3 litres/hectare.

#### Horticultural plants:

Fertigation: 8-12 litres/hectare.

Foliar: 2-3 litres/hectare.

#### Flowers and ornamental plants:

Fertigation: 7-10 litres/hectare.

Foliar: 1,5-3 litres/hectare.

#### Transplanting:

Plateau immersion: 300-350 ml/100 litres water.

Repeat the treatment after 10-12 days according to the season progress and the development stage.

### MISCIBILITY

PHOSPHIT-ONE is miscible with the most common phytosanitary products and fertilizers. Before using we recommend testing on small surface for compatibility with other products.

### COMPOSITION

Total nitrogen (N)	3%
Total phosphoric anhydride ( $P_2O_5$ )	30%
Water-soluble phosphorus pentoxide ( $P_2O_5$ )	30%
Water-soluble potassium oxide ( $K_2O$ )	15%
Biological Organic Carbon (C)	6.4%

It contains vegetal aminoacid and peptides.

### ADVANTAGES

- It provides high nutritional activity at blossom and fruit ripening.
- It increases the gems fertility.
- It helps to balance possible nitrogen excesses in plants.
- It can reduce the losses due to fungus attacks (eg. Phytophthora spp., Downy Mildew destructor, vine Plasmopara, Bremia spp. etc.).
- It preserves the useful insect and its application is efficacious in the integrated agriculture.
- High intake of  $P_2O_5$  and  $K_2O$ .

**PACKAGING: 1-5-20 L**

