



# BIOS NPK 4-6-12 S

Organo-mineral fertilizer NPK (Ca), (Mg), (S) "low in chloride"

N	P	K
4	6	12

CaO	MgO	SO <sub>3</sub>
8	2	14

C	U.F.
23	69

Biological

## ORGANO-MINERAL FERTILIZER ENRICHED WITH MESO ELEMENTS

The ideal product to guarantee nutrition from the induction phase to the maturation phase, guaranteeing the right contribution of the nutritive elements necessary in these phases.

The presence of totally organic nitrogen allows to offer nitrogen to the plant "when the plant wants it" and not only when it is available in the nutritive solution: its release occurs thanks to the nitrification phase carried out by the bacteria and at the plant's request.

Phosphorus, largely soluble and available, guarantees the immediate administration to the plant of the element that is necessary for the photosynthesis and the strenght of the plant. Potassium helps, in soils poor of this element, to improve the colour, taste and increases the salt concentration of the cells when the plants are at rest.

Magnesium intervenes in the formation of chlorophyll, sugars, plant enzymes and vitamins, such as carotenoids, but also in the transport of other minerals that determine the formation of flowers and fruits. A correct fertilization based on magnesium will allow to have plants with perfectly pigmented leaves, flowers and fruits.

Calcium has the ability to increase the mechanical resistance of plant tissues, supporting and strengthening the cell walls; it activates some enzymes, regulates the translocation of carbohydrates and carries out an activity of compensation and equilibrium compared to the other absorbed cations, namely sodium, potassium, ammonium and magnesium.

The present sulphur allows to regulate the pH of the soil as well as to guarantee the availability for the synthesis of some amino acids and proteins in the plants. It is a high-quality product for the final phase of production.

### COMPOSITION

Nitrogen	(N)	total	4 %
Nitrogen	(N)	organic	4 %
Phosphoric anhydride	(P <sub>2</sub> O <sub>5</sub> )	soluble only in the mineral acids (P <sub>2</sub> O <sub>5</sub> totale)	6 %
Phosphoric anhydride	(P <sub>2</sub> O <sub>5</sub> )	neutral ammonium cictrate and water soluble	5 %
Potassium oxide	(K <sub>2</sub> O)	solubile in water	12 %
Calcium oxide	(CaO)	total	8 %
Magnesium oxide	(MgO)	total	2 %
Sulphuric anhydride	(SO <sub>3</sub> )	total	14 %
Organic Carbon	(C)	biological origin	23 %
Organic Substance			40 %

### RECOMMENDED DOSES - Kg./Ha

Tree crops in general	300	-	500
Horticultural crops (open field)	400	-	600
Protected crops (greenhouses)	400	-	700

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

Selected tectosilicates inside



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### PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Big Bags	Kg. 500/each
In the form of	Powder or mini pellets (die ø 3,5 mm.)



### RAW MATERIALS

Product obtained beginning only from FERTILIZERS of D.lgs 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Mix of organic fertilizers NP
	MINERAL COMPONENTS
	Magnesium sulphate, Potassium sulphate

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.



The suitable analytical data on the wrappings follow the prescriptions of the D.L.gs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGANIC-MINERAL FERTILIZER NPK