



WORLD NPK

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

N	P	K
6	6	8

CaO	MgO	SO ₃
8	2	10

B	Fe	Mn	Zn
0,1	1	0,1	0,1

C	U.F.
30	71,3

Conventional

COMPLETE NUTRITION IN COMPLETE BIO SAFETY

It's a WORLD CLASS fertilizer! Rich and balanced with its own macronutrients, it differs by the presence of **Calcium, Magnesium, Sulphur and microelements**. Authorized in biological agriculture since the nitrogen is totally from an organic substance, its main characteristic is the versatility in its usage: slow-release **Nitrogen**, with basically zero environmental impact, influences meristematic apices and determines the plasticity of the cells; **Phosphorus** is available in short, medium and long terms as it comes from an organic matrix and affects the strength of the new sprouts, the reduced gap between the internodes and also acts in the protein synthesis and in the transport of energy in life processes (photosynthesis and breathing) conditioning the enzymatic activity; the **Potassium**, linked to the organic substance, is promptly available and influences biochemical processes where is involved, affecting preservability, colours and scents of agricultural products.

The organic **Calcium** strengthens the roots and the whole plant, can make it younger and influences the skin of new fruits and fresh leaves, ensuring more flexibility and resistance to external agents attacks.

Richness can be reached adding **Magnesium**: it has an important role in photosynthesis, presides to the formation of sugars, of proteins, of fats and vitamins; it's the activator of the enzymatic functions and regulator of the osmotic pressure; Magnesium participates in the formation of pigments, as the carotene and the xanthophylls, and can facilitate the transfer of the Phosphorus into the vegetative apexes and in the seeds; finally it brings out the perfume and the intense and bright colouring of flowers fruits and vegetables.

Perfection is reached with the presence of **Sulphur**: it determines the composition of some enzymes and vitamins, stimulates the absorption of Nitrogen and Phosphorus, it's essential for the activity of some species of bacteria present in the soil, acts in proteins formation, plays a central role in the growing and in the developmental control of the plant and an eventual lack of Sulphur would reflect on qualitative and quantitative parameters of the harvest; it can also improve the physical and chemical characteristics of the ground, enhanced the fertility of the soil and finally reduce the pH level. The large amount of Sulphur in **WORLD NPK** guarantees rebalancing in deficient lands with high pH levels.

COMPOSITION			
Nitrogen	(N)	total	6 %
Nitrogen	(N)	organic	6 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ total)	6 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	4,5 %
Potassium oxide	(K ₂ O)	soluble in water	8 %
Calcium oxide	(CaO)	total	8 %
Magnesium oxide	(MgO)	total	2 %
Sulphuric anhydride	(SO ₃)	total	10 %
Boren	(B)	soluble in water	0,1 %
Iron	(Fe)	soluble in water	1 %
Manganese	(Mn)	soluble in water	0,1 %
Zinc	(Zn)	soluble in water	0,1 %
Carbon	(C)	biological origin	30 %
Organic substance			52 %

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



WORLD NPK



PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Form	Powder or mini pellets (die ø 3,5 mm.)



Excellence is finally enshrined with the presence of **Boron, Iron, Manganese, Zinc**, all essential for the adjustment of life functions of the plant.

The Tectosilicates hinder the nutrients leaching process (function already carried out by the organic substance), becoming an "intelligent container" for the nutrient solution in the plant and an effective filter against the pollution of underlying aquifers.

What really links all together is the 52% of organic substance which ensures that the plant gets all the required elements within the entire production cycle... and beyond.

WORLD NPK: that's why it's defined as a WORLD CLASS FERTILIZER!!!

RECOMMENDED DOSES - Kg./Ha

Tree crops	400 - 700
Horticultural crops (open field)	500 - 700
Greenhouses	500 - 700

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.

RAW MATERIALS

Product obtained only from beginning FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Mix of nitrogenous organic fertilizer, Mix of organic fertilizer NP
	MINERAL COMPONENTS
	Potassium sulphate, Iron's salt (sulphate), Magnesium sulphate, Sodium borate, Zinc's salt (sulphate), Manganese's salt (sulphate)

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs 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.

ORGANO-MINERAL FERTILIZERS NPK

PROSPERITY IN THE LAND