



# Vite & Vita NPK

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

N	P	K	CaO	MgO	SO <sub>3</sub>	C	U.F.
5	8	10	10	2	12	28,5	75,5

**Biological**

## GRAPES IN GREAT QUANTITY, FLAVOUR AND COLOUR

**Vite & Vita NPK**, comes from experiences accumulated over time, with continuous and repeated tests of our fertilizers on many vine varieties (for both wine and table purposes) in different areas, lands and climates. Created to obtain quality and quantity from grapes, it safeguards the fertility of soil, subsoil and human health by holding selected tectosilicates to increase the cation exchange capacity, the retention and the gradual release of water.

**Vite & Vita NPK**, has a great amount of organic substance; the pH is neutral; it holds microelements in natural form, humic and fulvic acids in significant quantities that allow the progressive and constant release of Nitrogen and Carbon in the course of time, as well as the transformation from protein into Nitrogen.

**Nitrogen**, comes from vinasse and complete animal proteins, positively influencing the quantity and quality of the grapes, the sugar content, the taste, the aroma and the colour.

**Phosphorus** and **Calcium**, coming from an organic matrix, increase the formation of new roots, strengthen and rejuvenate the plant with new, well-evident buds; they also reinforce the skin and thus resist insect bites.

**Potassium** comes from vinasse and sulphate; **Magnesium** is from sulphate; both release **Sulphur** into the soil acidifying it; they are linked to the organic matrix to be solubilized, assimilated and translocated totally without leaks.

The mixing and then the micromacination carried out on the raw materials used for **Vite & Vita NPK**, allow an increase in the exchange surface in the soil and speed up the transfer of nutrients; the present tectosilicates limit the leaching of the nutritive elements (a function already performed by the organic substance), becoming an "intelligent tank" of the nutrient solution for the plants and an effective filter against the pollution of the underlying layers.

**Vite & Vita NPK** does not release limestone.

COMPOSITION			
Nitrogen	(N)	total	5 %
Nitrogen	(N)	organic	5 %
Phosphoric anhydride	(P <sub>2</sub> O <sub>5</sub> )	soluble only in mineral acids (P <sub>2</sub> O <sub>5</sub> total)	8 %
Phosphoric anhydride	(P <sub>2</sub> O <sub>5</sub> )	neutral ammonium citrate and water soluble	6 %
Potassium oxide	(K <sub>2</sub> O)	soluble in water	10 %
Calcium oxide	(CaO)	total	10 %
Magnesium oxide	(MgO)	total	2 %
Sulphuric anhydride	(SO <sub>3</sub> )	total	12 %
Organic Carbon	(C)	biological origin	28,5 %
Relationship C/N			5,7
Organic substance			50 %

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, Magnesium sulphate

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



# Vite & Vita NPK

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



RECOMMENDED DOSES - Kg./Ha			
Table grapes vines	1.000	-	1.500
Wine grapes vines	600	-	800



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.

ORGAN-MINERAL FERTILIZERS NPK