



# GRAN VIGNETO

## 7.5.12 S +2 MgO +8 CaO

**ORGANO-MINERAL FERTILIZER NPK  
PHYTOSTIMULANT OBTAINED BY REACTION - LOW CHLORINE CONTENT**



GRAN VIGNETO from potassium sulphate is an organo-mineral fertilizer ideal for basic fertilisation of vineyards. It promotes the development of regular internodes with an increase of the final Babo grade.

The total nitrogen is harmonized by the presence of ammoniacal and organic nitrogen: together with the presence of phosphorus and potassium, it creates a synergy. Phosphorus helps to strengthen the cell walls of the plant and potassium promotes the formation of sugars; it is helped in this function by the amino acids that stimulate and increase of radical absorption. With its low chlorine content it is ideal to use wherever there is little rainfall to prevent any increase of salinity in the soil.

### AMINO ACIDS IN GRENA MATRIX

Aspartic Acid	1.25 g/100 g
Glutamic Acid	1.62 g/100 g
Alanine	1.02 g/100 g
Arginine	0.83 g/100 g
Phenylalanine	0.56 g/100 g
Glycine	0.95 g/100 g
Hydroxyproline	0.22 g/100 g
Isoleucine	0.62 g/100 g
Histidine	0.31 g/100 g
Leucine	1.10 g/100 g
Lysine	0.56 g/100 g
Proline	0.85 g/100 g
Serine	0.87 g/100 g
Tyrosine	0.33 g/100 g
Threonine	0.59 g/100 g
Valine	0.80 g/100 g
Cysteine and Cystine	0.18 g/100 g
Methionine	0.19 g/100 g
Tryptophan	0.09 g/100 g

### FREE AMINO ACIDS

Glutamic Acid	0.06 g/100 g
Alanine	0.12 g/100 g
Leucine	0.05 g/100 g

### MICRO-ELEMENTS

B	2.30 mg/kg
Fe	330 mg/kg
Mn	18.6 mg/kg
Cu	2.87 mg/kg
Zn	33.6 mg/kg

### COMPOSITION

Organic matter	40%
<b>Organic substance (Cx1.724)</b>	<b>28%</b>
Amino acids and proteins (Nx6.25)	10%
Humic and fulvic acids	8.5%
Humidity	7%
<b>Total nitrogen (N)</b>	<b>7%</b>
Organic nitrogen (N)	1.6%
Ammoniacal nitrogen (N)	5.4%
Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> )	5%
Potassium oxide (K <sub>2</sub> O) soluble in water	12%
Organic carbon (C)	16%
Sulphuric anhydride (SO <sub>3</sub> )	15%
<b>Magnesium oxide (MgO) of mineral origin</b>	<b>2%</b>
<b>Calcium (CaO) natural origin</b>	<b>8%</b>
C/N	2.3
Specific weight	0.85 kg/L

**FREE FROM  
CHROMIUM VI**

### SOURCE

*Organic:* meatmeal  
*Mineral:* ammonium sulphate, diammonium sulphate (DAP), potassium sulphate and dolomite



**Physical state:** pellet 4 mm

### Packaging available:

25 kg bags - 500 kg bags

CROP	TIMING*	APPLICATION*	DOSAGE/HA*
Vineyards	autumn - winter	localized distribution per row	500-600 kg/ha
Orchards (pome fruits, stone fruits, etc.)	autumn - winter	localized distribution per row	500-600 kg/ha
Citrus fruits	autumn - winter	localized distribution per row	1400-1600 kg/ha
Open field crops	pre-sowing	scatter the product in soil preparation	500-600 kg/ha

\*guidelines only, for the correct use of our products, please consult a specialist.