

# GRENA TECH

## 3.10.5 S +2 MgO



### ORGANO-MINERAL FERTILIZER NPK WITH POTASSIUM SULPHATE



GRENA TECH is recommended for soils with phosphorus deficiencies

FREE FROM PHOSPHITES AND CHROMIUM VI

#### SOURCE

Organic: meatmeal and feathermeal  
Mineral: soft ground rock phosphate, potassium sulphate and dolomite



Physical state: micro 2 mm - pellet 4 mm

#### Packaging available:

25 kg bags - 500 kg bags

It is an organo-mineral fertilizer consisting of the union of biological mineral fertilizers with the GRENA organic matrix, rich in proteins, amino acids, humic and fulvic acids. The levorotatory amino acids in the GRENA organic matrix are the promoters of the development of the secondary roots of the plants and promote the absorption of the nutrients contained directly inside GRENA TECH and those mineralised in the soil. The naturally present micro-elements are able to catalyse the physiological processes of the plants, allowing to make up for any deficiencies. The presence of potassium sulphate - in a very soluble form and available for root absorption - promotes the formation of sugars and is therefore essential to ensure high quality productions. Magnesium provides a considerable input for all vegetable and fruit crops, in order to prevent nutritional deficiencies and ensure the best physiological processes.

#### 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
Zn	33.6 mg/kg

#### COMPOSITION

Organic matter	40%
Organic substance (SS) (Cx1.724)	36%
Amino acids and proteins (Nx6.25)	20%
Humic and fulvic acids	4%
Humidity	7%
Total nitrogen (N)	3%
Organic nitrogen (N)	3%
Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> )	10%
Total potassium oxide (K <sub>2</sub> O)	5%
Organic carbon (C)	20%
Sulphuric anhydride (SO <sub>3</sub> )	6%
Magnesium oxide (MgO) of mineral origin	2%
Calcium (CaO) natural origin	8%
C/N	6.6
Specific weight	0.85 kg/L

CROP	TIMING*	APPLICATION*	DOSAGE/HA*
Vineyards	mid-autumn to late spring	localized distribution per row	500-600 kg/ha
Orchards (pome fruits, stone fruits, citrus fruits etc.)	mid-autumn to late spring	localized distribution per row	500-600 kg/ha
Greenhouse vegetable crops	mid-autumn to late spring	scatter the product in soil preparation	400-500 kg/ha
Open field crops (beets)	mid-autumn to late spring	scatter the product in soil preparation	400-500 kg/ha
Flower crops	mid-autumn to late spring	scatter the product in soil preparation	400-500 kg/ha

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