



GRENA SUPER

Organic eco-product
Permitted in organic farming



Recommended for:

Cotton, garlic, onions, potatoes, and for treating iron deficiencies

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
Serina	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 (free)	0,062	g/100 g
Alanine (free)	0,115	g/100 g
Leucine (free)	0,053	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 substance	38%
Amino acids and proteins	18%
Humic and fulvic acids	11%
Humidity	7%
Total nitrogen (N)	3%
Organic nitrogen (N)	3%
Total phosphoric anhydride (P ₂ O ₅)	2%
Total potassium oxide (K ₂ O)	1%
Organic carbon (C) of biological origin	22%
Sulphuric anhydride (SO ₃)	7%

SOURCE

Hydrolyzed proteins of animal origin by thermal hydrolysis

FEATURES

The organic GRENA MATRIX is unique because rich in levorotatory amino acids (14-56% in 100kg O.S.) including humic and fulvic acids, carboxylic acids (eg. EDTA) and organic amines, which possess an excellent bio-stimulating action.

GRENA SUPER contains around 40% organic GRENA MATRIX, a percentage that guarantees the presence of a good part of the amino acids, but reduces the contribution of nitrogen to 3% and phosphorus to 2%. Particularly suitable for soils where there is iron deficiency, or where the excessive presence of limestone inhibits root absorption. GRENA SUPER is recommended for the basic fertilization of crops that require a low profile NP. The product ensures a high intake of organic compounds for the general improvement of soil fertility and continuous availability of essential nutrients.

Fertilization with GRENA SUPER + Iron (Fe) 5% is also imperative to prevent and treat iron chlorosis; the organic GRENA MATRIX makes sure that the iron is not locked down in the soil but is readily available to the plants upon necessity.

GRENA SUPER + Fe 5% + Sulphur (S) 30% also plays an excellent corrective action against alkaline soils by balancing the pH.

Guaranteed free of weed seeds, antibiotics, pathogens.

Packaging: 25kg – 500kg bags

CROP	TIMING*	APPLICATION*	DOSAGE/HA*
Vineyards	Autumn-spring	scatter the product in soil preparation	600-1000 kg/ha
Orchards (pome fruits, stone fruits, citrus fruits etc.)	Autumn-spring	scatter the product in soil preparation	600-1000 kg/ha
Cotton	Autumn-spring	scatter the product in soil preparation	800-1200 kg/ha
Olive groves	Autumn-winter	scatter the product in soil preparation	600-1200 kg/ha
Greenhouse vegetable crops	pre-sowing or pre-transplant	scatter the product in soil preparation	800-1200 kg/ha
Open field vegetable and industrial crops	pre-sowing or pre-transplant	scatter the product in soil preparation	800-1200 kg/ha
Onions	pre-sowing or pre-transplant	scatter the product in soil preparation	700-800 kg/ha
Potatoes	pre-sowing or pre-transplant	scatter the product in soil preparation	1000-1500 kg/ha
Beets	pre-sowing	scatter the product during sowing	400-800 kg/ha

* guidelines only, for the correct use of our products, please consult a specialist. Not to be applied to edible parts of the crop.