



GRENA SPECIAL

Organic eco-product
Permitted in organic farming



Recommended for:

Fruit trees and vegetables

AMINO ACIDS IN GRENA

MATRIX		
Aspartic acid	2,51	g/100 g
Glutamic acid	3,25	g/100 g
Alanine	2,05	g/100 g
Arginine	1,73	g/100 g
Phenylalanine	1,13	g/100 g
Glycine	1,89	g/100 g
Hydroxyproline	0,449	g/100 g
Isoleucine	1,24	g/100 g
Histidine	0,632	g/100 g
Leucine	2,20	g/100 g
Lysine	1,13	g/100 g
Proline	1,70	g/100 g
Serina	1,74	g/100 g
Tyrosine	0,652	g/100 g
Threonine	1,18	g/100 g
Valine	1,61	g/100 g
Cysteine and cystine	0,378	g/100 g
Methionine	0,395	g/100 g
Tryptophan	0,190	g/100 g

FREE AMINO ACIDS

Glutamic acid (free)	0,124	g/100 g
Alanine (free)	0,237	g/100 g
Leucine (free)	0,106	g/100 g

MICRO-ELEMENTS

B	4,62 mg/kg
Fe	661 mg/kg
Mn	37,2 mg/kg
Cu	5,75 mg/kg
Zn	67,2 mg/kg

COMPOSITION

Organic substance	38%
Amino acids and proteins	25%
Humic and fulvic acids	9%
Humidity	7%
Total nitrogen (N)	5%
Organic nitrogen (N)	5%
Total phosphoric anhydride (P ₂ O ₅)	3%
Total potassium oxide (K ₂ O)	1,3%
Organic carbon (C) of biological origin	22%
Sulphuric anhydride (SO ₃)	12%

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.

The abundant quantity of amino acids in GRENA SPECIAL provides excellent crop nutrition for the duration of the production cycle, with slow release of the nitrogen contained. The product also contains 3% P₂O₅ of natural origin, which is immediately available to the soil, while the organic GRENA MATRIX restores the balance of the microbial and bacterial flora to improve the physical characteristics of the soil, thus helping reduce the energy costs of processing.

Guaranteed free of weed seeds, antibiotics, pathogens.

Packaging: 25kg – 500kg bags

CROP	TIMING*	APPLICATION*	DOSAGE/HA*
Vineyards	Autumn-winter	scatter the product in soil preparation	800-1200 kg/ha
Orchards (pome fruits, stone fruits, citrus fruits etc.)	Autumn-winter	scatter the product in soil preparation	600-800 kg/ha
Olive groves	Autumn-winter	scatter the product in soil preparation	600-1000 kg/ha
Greenhouse vegetable crops	pre-sowing or pre-transplant	scatter the product in soil preparation	800-1000 kg/ha
Open field vegetable and industrial crops	pre-sowing or pre-transplant	scatter the product in soil preparation	700-1000 kg/ha
Asparagus, potatoes, beets, carrots	pre-sowing or pre-transplant	scatter the product in soil preparation	400-600 kg/ha
Rice, Tobacco, Sunflowers	pre-sowing or pre-transplant	scatter the product in soil preparation	500-800 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.