

GRENA SPECIAL

PERMITTED
IN ORGANIC
FARMING
BIO



ORGANIC BIOSTIMULANT



GRENA SPECIAL is recommended for vegetables and fruit crops

FREE FROM
PHOSPHITES AND
CHROMIUM VI

SOURCE
Meatmeal
and feathermeal



Physical state: micro 2 mm

Packaging available:
25 kg bags - 500 kg bags

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.

Among the amino acids, the **glutamic acid allows greater resistance to abiotic stress**, enhances the photosynthesis, the level of chlorophyll and with the aspartic acid promotes the assimilation of nitrogen. In addition, the presence of **alanine among free amino acids helps the regulation of the opening of the stomata**, particularly useful in stressful environmental conditions, such as drought.

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	0.45 g/100 g
Isoleucine	1.24 g/100 g
Histidine	0.63 g/100 g
Leucine	2.20 g/100 g
Lysine	1.13 g/100 g
Proline	1.70 g/100 g
Serine	1.74 g/100 g
Tyrosine	0.65 g/100 g
Threonine	1.18 g/100 g
Valine	1.61 g/100 g
Cysteine and Cystine	0.38 g/100 g
Methionine	0.39 g/100 g
Tryptophan	0.19 g/100 g

FREE AMINO ACIDS

Glutamic Acid	0.12 g/100 g
Alanine	0.24 g/100 g
Leucine	0.11 g/100 g

COMPOSITION

Organic matter	60%
Organic substance (Cx1.724)	47%
Amino acids and proteins (Nx6.25)	31%
Humic and fulvic acids	9%
Humidity	7%
Total nitrogen (N)	5%
Organic nitrogen (N)	5%
Phosphoric anhydride (P ₂ O ₅)	3%
Total potassium oxide (K ₂ O)	1.3%
Organic carbon (C)	27%
Calcium (CaO) natural origin	10%
C/N	5.5
Specific weight	0.70 kg/L

CROP	TIMING*	APPLICATION	DOSAGE/HA*
Greenhouse vegetable crops	pre-sowing or pre-transplant	scatter the product in soil preparation	800-1200 kg/ha
Open field crops	pre-sowing or pre-transplant	scatter the product in soil preparation	700-1000 kg/ha
Citrus fruits	Autumn - winter	localized distribution per row	600-1000 kg/ha
Orchards and vineyards	Autumn - winter	localized distribution per row	600-1000 kg/ha
Potatoes and asparagus	pre-sowing or pre-transplant	scatter the product in soil preparation	400-600 kg/ha

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