



GRENA SUPERFERRO

Organic eco-product
Permitted in organic farming



Recommended for:

Hydrolyzed proteins of animal origin
by thermal hydrolysis, Iron sulphur.

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	43%
Amino acids and proteins	18%
Humic and fulvic acids	10%
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%
Total iron (Fe)	3%
C/N	7.3
pH	6.4

SOURCE

Hydrolyzed proteins of animal origin
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FEATURES

GRENA SUPERFERRO with Iron is particularly suitable for soils where there is iron deficiency and contains 40% GRENA organic matrix, a percentage that ensures the presence of much of the amino acids and humic and fulvic acids and 5% Iron from iron sulphate.

The presence of humic and fulvic acids allows stability in the mineralization process, which without these would take place more rapidly and would give rise to leaching processes; in fact, humic and fulvic acids are responsible for the formation of humate complexes with the chemical elements present in the soil, such as humic acid that with iron becomes a humic iron compound. Humic iron compound is recognized by the plant and therefore is better assimilated.

Amino acids contained naturally are in turn activators of the effect of root proliferation and of chelation, which allows the root system to absorb NPK mineralized in the soil and, by promoting the production of organic compounds, increases the capacity to absorb nutrients, including Iron.

For this reason, fertilization with GRENA SUPERFERRO is essential in order to treat and prevent ferric chlorosis, treat because GRENA SUPERFERRO provides iron that is immediately available, and prevent because GRENA SUPERFERRO creates iron reserves for the plant's subsequent phenological phases.

Packaging: 25 kg - 500 kg 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
Fruits of the forest (blueberries, raspberries and blackberries)	Autumn-spring	scatter the product in soil preparation	800-1200 kg/ha

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