



# NATURGRENA

Organic eco-product  
Permitted in organic farming



**Recommended for:**

greenhouse cultivations, and where the organic farming regulations are especially strict

**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	52%
Amino acids and proteins	37,5%
Humic and fulvic acids	14%
Humidity	7%
Total nitrogen (N)	6%
Organic nitrogen (N)	6%
Total phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> )	2%
Total potassium oxide (K <sub>2</sub> O)	1%
Organic carbon (C) of biological origin	30%
Sulphuric anhydride (SO <sub>3</sub> )	12%

**SOURCE**

Feathermeal

**FEATURES**

The basic content of fine organic substance, composed exclusively of feather meal, NATURGRENA to stand out as a product suitable for areas where the organic farming regulations are stricter than the norm. It is ideal where the climatic conditions present high temperatures coupled with high humidity, for example in greenhouses.

The thermal hydrolysis in autoclave breaks down the protein molecule contained in the feathermeal, thus resulting in levorotatory amino acids. These aid the root proliferation of plants, ensuring a greater absorption of the macro-nutrients (NPK) mineralized in the soil.

In organic farming, macro-elements such as phosphorus and potassium are usually taken from soft ground rock phosphate and rock potassium sulphate, whose degradation processes are particularly long. Instead, thanks to NATURGRENA, the nutrition of the micro-organisms near the mycorrhizae is improved with amino acids and timings may be significantly reduced.

The amount of organic nitrogen of NATURGRENA is well balanced in its release. Indeed, the presence of hydrolyzed feathermeal makes for a quick release of nitrogen at the start, after just 20 days, but this remains nevertheless a slow-release product.

Guaranteed free of weed seeds, antibiotics, pathogens.

**Packaging:** 25kg bags

CROP	TIMING*	APPLICATION*	DOSAGE/HA*
Vineyards	mid-autumn to late spring	localized distribution per row	600-800 kg/ha
Orchards (pome fruits, stone fruits, citrus fruits etc.)	mid-autumn to late spring	localized distribution per row	800-1200 kg/ha
Greenhouse cultivations	pre-sowing or pre-transplant	scatter the product in soil preparation	700-1000 kg/ha
Open field vegetable and industrial crops	pre-sowing or pre-transplant	scatter the product in soil preparation	800-1000 kg/ha

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