



# GRENA STARTER 12.5.6

**Organo-mineral fertilizer NPK**  
**Biostimulant with slow release nitrogen**



**Recommended for:**  
Starter effect



## 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)	0,06	g/100 g
Alanine (free)	0,12	g/100 g
Leucine (free)	0,05	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

<b>Organic substance (SS)</b>	<b>31%</b>
Amino acids and proteins	20%
Humic and fulvic acids	6,9%
Humidity	7%
<b>Total nitrogen (N)</b>	<b>12%</b>
Organic nitrogen (N)	2%
Ammoniacal nitrogen (N)	8%
Ureic nitrogen (N)	2%
Total phosphoric anhydride ( <b>P<sub>2</sub>O<sub>5</sub></b> )	<b>5%</b>
Total potassium oxide ( <b>K<sub>2</sub>O</b> )	<b>6%</b>
Organic carbon (C) of biological origin	18%
Sulphuric anhydride (SO <sub>3</sub> )	11%
C/N	1,5

## SOURCE

*Organic:* hydrolyzed proteins of animal origin by thermal hydrolysis  
*Mineral:* ammonium sulphate, urea, DAP, potassium chloride.

## FEATURES

GRENA STARTER 12.5.6 is obtained by reaction between the organic matrix and mineral materials. The high percentage of total nitrogen is harmonized by a gradual presence of ammonia, ureic and organic nitrogen, from which an ideal release curve for spring growth is obtained.

**The simultaneous presence of phosphorous and potassium creates a synergic biostimulating action** on the root system, making the plant stronger and healthier. In fact, nitrogen stimulates luxuriance and the formation of more tender vegetable tissue, while potassium stimulates the formation of thicker cell walls, which increase the intrinsic resistance of the tissue to parasitic infections. GRENA STARTER 12.5.6 is available in micro-pellets (2 mm). The small size makes for a homogeneous distribution of low visual impact, an important feature were GRENA STARTER 12.5.6 to be used on ornamental lawns and sport fields.

**Physical state:** pellet 4 mm - micro 2 mm

**Packaging available:** 25 kg bags - 500 kg big bags

CROP	TIMING*	APPLICATION*	DOSAGE/HA*
Vineyards	mid-autumn to late spring	scatter the product in soil preparation	500-700 kg/ha
Orchards (pome fruits, stone fruits, citrus fruits etc.)	mid-autumn to late spring	scatter the product in soil preparation	500-700 kg/ha
Vegetable and flower crops	mid-autumn to late spring	scatter the product in soil preparation	600-800 kg/ha
Ornamental Lawns	mid-autumn to late spring	scatter the product in soil preparation	800 kg/1000 m <sup>2</sup>

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