

# STRAWBERRIES



## BIOSTIMULANTING ACTION Allowed in Organic Farming

### LEVOROTATORY AMINO-ACIDS

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

Grena Solo is an organic and biological product containing: organic matter obtained by THP® wet thermal hydrolysis without the addition of any chemical product, but it is only simple cooking at 130 °C. Grena Solo has a balanced NPK 5-2-1, a particular abundance of naturally calcium content (Ca) 10% and with a presence in mg/kg of many microelements, important creators of long-term vegetable well-being.

**The 5% nitrogen component helps the strawberry plant in its diverse photosynthesis activities where flowering and setting are the most important. The constant addition of Grena Solo to annual fertilization both in organic and conventional or integrated agriculture helps to have uniform yields and constant production.**

The pigmentation undergoes a moderate increase and is indicative of the general well-being for the plant.



### MICRO-ELEMENTS

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





Grena Solo is an organic fertilizer that allows a good level of organic matter to be maintained in the soil, even if it has a high rate of mineralization. In this way the root development of the crops takes place without stress, especially in the moments of transplantation. In sandy soils the high content of organic substance avoids losses of nutrients due to washing away.

Grena Life is a biological organic mineral fertilizer (4-6-10 + Mg) which allows the right balance between the preparation fertilizers in the soil and the fertilization with fertigation. The present content of potassium and phosphorus, allows to use smaller quantities of these elements in fertigation with a good economic saving. The excellent organic substance content (23% organic carbon) allows a lower plant transplant stress and maintains the soil fertility even in cases of high mineralization. Finally, the presence of magnesium allows maintaining the potassium / magnesium ratio in the right balance. Its use in strawberry nurseries allows a balanced nutrition that leads to plants rich in reserves that can be used during the transplant phase.

## GRENA SOLO

### TIMING\*

Autumn-winter

### APPLICATION\*

scatter the product in soil preparation

### DOSAGE\*

700 - 800 kg/ha

SOURCE: Hydrolyzed proteins of animal origin by thermal hydrolysis

### COMPOSITION

Organic substance (SS)	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 <sub>2</sub> O <sub>5</sub> )	2 %
Total potassium oxide (K <sub>2</sub> O)	1,3 %
Organic carbon (C) biological origin	22 %
Calcium (CaO) natural origin	4 %
C/N	4,4

## GRENA LIFE

### TIMING\*

mid-autumn to late spring

### APPLICATION\*

scatter the product in soil preparation

### DOSAGE\*

400 - 500 kg/ha

SOURCE: Organic: hydrolyzed proteins of animal origin by thermal hydrolysis  
Mineral: soft ground rock phosphate, potassium sulphate, dolomite

### COMPOSITION

Organic substance (SS)	39 %
Amino acids and proteins	20 %
Humic and fulvic acids	4 %
Humidity	7 %
Total nitrogen (N)	4 %
Organic nitrogen (N)	4 %
Total phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> )	6 %
Total potassium oxide (K <sub>2</sub> O)	10 %
Organic carbon (C) biological origin	23 %
Sulphuric anhydride (SO <sub>3</sub> )	21 %
MgO Magnesium oxide	2 %
Calcium (CaO) natural origin	8 %
C/N	5,3

Idrogrena is a biostimulant that guarantees the overcoming of stress during cultivation, both in terms of energy stress (during transplantation and fruit growth), and due to climatic stress due to rapid temperature changes or in the presence of strong wind. It can be used in fertirrigation at a dose of about 20 liters / ha every 20 days in order to keep the production of root\_hair constant. It is very important a post-transplant operation (together with mono ammonium phosphate and iron, to favor the emission of new roots. At leaf level it is possible to use Idrogrena, together with normal antiparasitic treatments, to maintain the right vegetative and productive balance in the plant. In the case of micro-deficiencies of elements, it can be used in Idrogrena Energy foliar treatments which contain Iron, Calcium, Zinc and Boron). Idrogrena Energy also has a prevalent use during the pre-flowering and fruit enlargement phase. In fact, Boron helps pollen fertility, while Calcium, Iron and Zinc stimulate fruit growth by maintaining the right stiffness of the cell walls and therefore increasing self-life and preservation of the fruits themselves.

## IDROGRENA

### TIMING\*

pre-flowering to harvest every 20 days (total dose per year 100 kg/ha)

### APPLICATION\*

- Drip-fertigation 20 l/ha
- Foliar application 4 - 5 l/ha

### ORGANIC POLYAMINES

2-Phenylethylamine (2-PHE) 2,4 mg/kg  
Spermine 3,6 mg/kg

Eco-organic liquid biostimulant

SPECIFIC WEIGHT: 1.032

## ENERGY IDROGRENA

### TIMING\*

pre- and post-flowering

### APPLICATION\*

Recommended for foliar application only

### DOSAGE\*

2 - 3 l/ha

Eco-organic liquid biostimulant enriched with meso- and microelements.

SPECIFIC WEIGHT: 1.12

### MESO- AND MICRO-ELEMENTS

Ca	1 % (EDTA)
Fe	1 % (EDTA)
Zn	0,5 % (EDTA)
B	0,5 %

### ORGANIC POLYAMINES

> 6.6 mg/kg

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



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