

# TOMATO



## ACTION BIOSTIMULANT

### Permitted in organic farming

#### 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

The tomato produces flowers and develops the fruits at the same time (on different heights of the stem), but the fruits it develops do not derive from the flowers it produces in that week but derive from the flowers produced in the previous weeks. In addition, the tomato, especially if grown in winter and spring (with less hours of light) may be subject to blotchy ripening which is a misdevelopment due to an excess of nitrogen compared to potassium and magnesium which does not allow a correct fruit maturation.

For these reasons the ratio of nitrogen and potassium must be shifted towards potassium. For this reason is better to use Grena Extra during the summer and Grena Life during the winter

#### MICRO-ELEMENTS

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





The mixture between Grena Extra and Grena Life allows a constant ratio between the elements. Grena Extra with horn and hoof provides slow release nitrogen and guarantees it's the continuous availability without altering the nitrogen/potassium ratio. The bio-organ-mineral Grena Life allows the continuous availability of phosphorus and potassium (bound into the organic matrix for soil friendly step-by-step release).

## GRENA EXTRA CORNUNGHIA

### TIMING\*

Pre-sowing or pre-transplant

### APPLICATION\*

Scatter the product in soil preparation

### DOSAGE\*

Vine tomato: 400 kg/ha  
Cherry tomato: 200 kg/ha

SOURCE: Feathermeal, horn and hoof mix

### COMPOSITION

Organic substance (SS)	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 %

## GRENA LIFE

### TIMING\*

Mid-autumn to late spring

### APPLICATION\*

Scatter the product in soil preparation

### DOSAGE\*

Vine tomato: 500 kg/ha  
Cherry tomato: 600 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) of biological origin	23 %
Sulphuric anhydride (SO <sub>3</sub> )	21 %
MgO of mineral origin	2 %
Calcium (CaO) natural origin	8 %
C/N	5,3

IDROGRENA is there fore considered ideal for use in foliar and irrigation applications (e.g. dripirrigation). The distillation process makes it free of salts and creates no phytotoxicity. Thanks to the properties of the amines contained within, the use of IDROGRENA aids in: stimulating the proliferation of roots. The amines, once in contact with the roots, promote cellular reproduction and the issue of numerous secondary roots, incrementing the micro-flora surrounding the roots

## IDROGRENA

### TIMING\*

Pre-flowering to harvest every 20 days (min. 3-4 applications)

### APPLICATION\*

- Fertigation 12 l/ha
- Foliar application 300 - 400 cc/100 L of water

### ORGANIC POLYAMINES

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

Eco-organic liquid biostimulant

Specific weight:: 1.032



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



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