CEREAL

BIOSTIMULATING ACTION

Allowed in Organic Farming

LEVOROTATORY AMINO-ACIDS	
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	0,06 g/100 g
Alanine	0,11 g/100 g
Leucine	0,05 g/100 g

The use of organic fertilisers has several advantages, both for the soil and for the crop. Among the different merits of this practice, it stands out to make simultaneously substance organic and nutrients such as nitrogen and phosphorus, which are released slowly over time, with almost no losses in the environment. The importance of the appropriate level of organic substance in vital soils is technically and scientifically recognized, especially thinking that the roots develop and operate in the soil and they are of extreme importance for the health and longevity of plants.

Even more interesting is the use of fertilizers that show at the same time a biostimulating action, contributing positively to the improvement of processes that regulate the nutrition and the development of plant species. Within biostimulants, the L-amino acids derived from animal organic matter represent a macro-group to which Grena products belong to, divided by general categories of biostimulants organic and organo-mineral biostimulants.

Grena's organic matrix ensures rapid response to crops, given the low C/N ratio, allows a rapid assimilation of the elements. The contained amino acids stimulate radical proliferation, so they amplify the absorption of nutrients.

MICRO-ELEMENTS	
B	2,30 mg/kg
Fe	330 mg/kg
Mn	18,6 mg/kg
Zn	33,6 mg/kg

Gran Semina is organo-mineral fertiliser whose organic matrix rich in amino acids promotes radical proliferation, promotes certain mycorrhiza and through naturally occurring humic and fulvic acids promote the formation of the phosphorus-humic complex by increasing the availability of phosphorus in soil.
The high percentage of phosphorus acts promptly at the beginning of the growth phase giving greater strength to the plant; the amino acids present in Gran Semina anticipate flowering times, facilitating energy metabolism processes and synthesis reactions, increases resistance to cold and parasitic diseases.
In particular for cereals, Gran Semina thanks to the naturally present microelements including Zinc (Zn) increases auxin metabolism and germination.

Energy Idrogrena is the only product on the market that amplifies the action of absorption of chelated microelements thanks to the biostimulating action of organic polyamines, it is the only one with the Fe + CaO bond. It is a highly miscible product obtained by the distillation of the liquid extract of polyamines, derived from thermal hydrolysis from amino acids contained in the animal organic matrix. Depending on the type of fertilizer, obviously also the periods of use change and in case of administration of organo-mineral products the fertilization can be carried out in one solution in autumn, or divided into two interventions between the end of autumn and the end of winter.

GRENA GRAN SEMINA 4.10

TIMING*

Pre-sowing or pre-transplant

APPLICATION*

Scatter the product in soil preparation

DOSAGE*

300 kg/ha at sowing
150 kg/ha first rising
150 kg/ha second rising

COMPOSITION

Organic substance	**39%**
Amino acids and proteins	20%
Humic and fulvic acids	6%
Humidity	7%
Total nitrogen (N)	**4%**
Organic nitrogen (N)	4%
Total phosphoric anhydride (P_2O_5)	**10%**
Organic carbon (C)	23%
Calcium (CaO) natural origin	8%
C/N	5,7

SOURCE:
Organic: meatmeal
Mineral: soft ground rock phosphate

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

ENERGY IDROGRENA

TIMING*

Pre- and post-flowering

APPLICATION*

Foliar application

DOSAGE*

6 L/ha for each application

MESO- AND MICRO ELEMENTS

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

ORGANIC POLYAMINES

> 6.6 mg/kg

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

SPECIFIC WEIGHT: 1.12

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