

CABBAGE BRASSICACEE



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
Gycine	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	0,12 g/100 g
Leucine	0,05 g/100 g

Cauliflower is a crop that is grown in almost all soils but prefers soils rich in organic matter.

The plant has considerable water needs and is not resistant to drought.

Cauliflower **fears: excesses of nitrogen**, which can create quality problems to the fruit (inflorescence); **boron deficiencies**, which cause vegetative deformations on the stem, where the inner part turns black, until cavities are created inside the stem itself; **molybdenum deficiencies**, which can give boiled and deformed leaves; Finally, cauliflower is **very demanding in calcium and, like all Brassicaceae, sulfur**.

Fertilization in FERTIGATION

- 1) Background fertilization:
GRENA SUPER FERRO + S 700 kg/ha
or **GRENA LIFE** 400 kg/ha
- 2) **Fertigation:**
 - up to mid-cycle: **18.18.18 + mg**
20 kg/week (kg 150 total)
 - when changing the product make a fertilization with **calcium nitrate** at the dose of 20 kg/ha
 - mid-cycle: **15.5.30 + mg**
20 kg/week (kg 150 total)



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



FOLIAR fertilization

1) Background fertilizer: **GRENA LIFE** 700 kg/ha

Covered:

Calcium nitrate 100 kg/ha

Nitrate potassium 100 kg/ha

2) **Leaf treatments:** brassicaceae are not very drought resistant and can face climatic stresses.

For this reason, some leaf interventions should be prov:

IDROGRENA + BORO + MOLIBDENO

IDRO K GRENA + MAGNESIUM SULFATE

TARGET	PRODUCTS	DOSAGE/HA
TO STIMULATE PLANT DEVELOPMENT	IDROGRENA	5 lt/ha
	Boro + molibdeno	1 lt/ha
IN TIP BURN PREVENTION	IDROGRENA	5 lt/ha
	Nitrato di calcio	1 lt/ha
	1-2 interventions in case of predisposing conditions (high temperatures, droughts)	
INCREASE YIELD AND QUALITY <i>(sulfur, potassium and magnesium)</i>	IDRO K GRENA	5 lt/ha
	Magnesium sulfate	2 lt/ha
25 days before harvest and 15 days before harvest		

3th leaf

Development

Harvest



Idrogrena + Boro + Molibdeno



Idrogrena + Calcium nitrate



Idro K grena + Magnesium sulfate



GRENA SUPERFERRO +S

TIMING*

Mid-autumn to late spring

APPLICATION*

Scatter the product in soil preparation

DOSAGE*

700 kg/ha

SOURCE:

Meatmeal, sulphur and iron sulphate

COMPOSITION

Organic substance (SS)	48 %
Amino acids and proteins	18 %
Humic and fulvic acids	10 %
Humidity	7 %
Total nitrogen (N)	3 %
Organic nitrogen (N)	3 %
Total potassium oxide (P ₂ O ₅)	2 %
Ossido di potassio totale (K ₂ O)	1 %
Organic carbon (C) natural origin	28 %
Anidride solforica (SO ₃)	20 %
Total iron (Fe)	3 %
C/N	9.3

GRENA LIFE

TIMING*

Mid-autumn to late spring

APPLICATION*

Scatter the product in soil preparation

DOSAGE*

400-700 kg/ha

SOURCE:

Organic: Meatmeal and feathermeal
Mineral: soft ground rock phosphate, potassium sulphate and dolomite

COMPOSIZIONE

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 ₂ O ₅)	6 %
Total potassium oxide (K ₂ O)	10 %
Organic carbon (C) natural origin	23 %
Sulphuric anhydride (SO ₃)	9 %
Magnesium oxide (MgO) of mineral origin	2 %
Calcium (CaO) natural origin	15 %
C/N	5.7

IDROGRENA

TIMING*

pre-flowering to harvest every 20 days (min. 3-4 application)

APPLICATION*

foliar 5 lt/ha for application

POLIAMMINE ORGANICHE

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

Eco-organic liquid biostimulant

SPECIFIC WEIGHT: 1.032

IDRO K GRENA

TIMING*

20 days before harvest and 10 days before harvest

APPLICATION*

foliar 5 lt/ha for application

COMPOSIZIONE

Total nitrogen (N)	3 %
Potassium oxide (K ₂ O) soluble in water low chlorine content	7 %
Organic Polyamines	11 mg/kg

Mineral fertilizers: potassium sulphate obtained from raw potassium salt by a physical extraction process and which may also contain magnesium salts.
Organic fertilizers: hydrolyzed slaughter residues.



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