GRAN SEMINA 4.10

PERMITTED IN ORGANIC FARMING BIO

ORGANO-MINERAL FERTILIZER NP



GRAN SEMINA is an organo-mineral fertilizer NP whose GRENA organic matrix, rich in amino acids, favours root proliferation, promotes some mycorrhizae and, through the **naturally present humic and fulvic acids promotes the formation of the phosphorus humic complex increasing the availability of phosphorus in the soil.**
The high percentage of phosphorus promptly acts at the beginning of the growing phase, giving extra strength to the plant.
The amino acids in GRAN SEMINA anticipate flowering because it facilitates the process of energy metabolism and synthesis reactions, increases resistance to cold and to parasitic diseases. Thanks to the naturally present microelements, GRAN SEMINA increases the metabolism of auxins and germination, especially on cereals.

GRENA GRAN SEMINA is recommended for cereals and grains

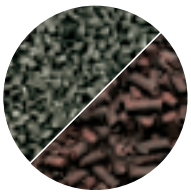
FREE FROM PHOSPHITES AND CHROMIUM VI

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
Serine	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

MICRO-ELEMENTS	
B	2.30 mg/kg
Fe	330 mg/kg
Mn	18.6 mg/kg
Zn	33.6 mg/kg

COMPOSITION	
Organic matter	40%
Organic substance (SS) (Cx1.724)	**39%**
Amino acids and proteins (Nx6.25)	20%
Humic and fulvic acids	6%
Humidity	7%
Total nitrogen (N)	4%
Organic nitrogen (N)	**4%**
Phosphoric anhydride (P_2O_5)	**10%**
Organic carbon (C)	23%
Calcium (CaO) natural origin	**8%**
C/N	5.7
pH	6



SOURCE
Organic: meatmeal and feathermeal
Mineral: soft ground rock phosphate

Physical state: micro 2 mm - pellet 4 mm

Packaging available:
25 kg bags - 500 kg bags

CROP	TIMING*	APPLICATION*	DOSAGE/HA*
Rapeseed	on second harvest	scatter the product in soil preparation	400-450 kg/ha
Wheat and rye	autumn - winter	scatter the product in soil preparation	400-450 kg/ha
Corn	pre-sowing or pre-transplant	scatter the product in soil preparation	400-450 kg/ha
Beets	autumn - winter	scatter the product in soil preparation	500-600 kg/ha

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