GRENA STAR

PERMITTED IN ORGANIC FARMING BIO

ORGANIC NITROGEN FERTILIZER WITH FEATHERMEAL



GRENA STAR is ideal for situations of environmental stress

GRENA STAR contains 8% organic nitrogen and **is obtained by mixing in laboratory-tested doses of animal proteins with feathermeal**, it represents a product with remarkable performances.
Thanks to the presence of free amino acids in particular deriving **from keratin contained in the feather, a protein consisting of amino acids, vitamins, and trace elements**, which allow plants to withstand environmental stresses and high salt concentrations in soils.
It is a slow-release product: amino acids provide an immediate release of organic nitrogen, while denatured peptides and proteins provide long-term slow release. GRENA STAR shows an effective nitrogen mineralization reaching 50% gradually and in a time of 28 days.

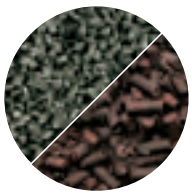
AMINO ACIDS	
Aspartic Acid	3.41 g/100 g
Glutamic Acid	7.02 g/100 g
Alanine	2.29 g/100 g
Arginine	3.94 g/100 g
Phenylalanine	1.60 g/100 g
Glycine	3.15 g/100 g
Hydroxyproline	0.18 g/100 g
Isoleucine	1.79 g/100 g
Histidine	0.45 g/100 g
Leucine	3.75 g/100 g
Lysine	1.49 g/100 g
Proline	3.64 g/100 g
Serine	4.12 g/100 g
Tyrosine	1.62 g/100 g
Threonine	2.16 g/100 g
Valine	2.76 g/100 g
Cysteine and Cystine	1.48 g/100 g
Methionine	0.37 g/100 g
Tryptophan	0.37 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

MICRO-ELEMENTS	
B	4.62 mg/kg
Fe	661 mg/kg
Mn	37.2 mg/kg
Cu	5.75 mg/kg
Zn	67.2 mg/kg

COMPOSITION	
Organic matter	74%
Organic substance (SS) (Cx1.724)	**74%**
Amino acids and proteins (Nx6.25)	50%
Humic and fulvic acids	15%
Humidity	7%
Total nitrogen (N)	**8%**
Organic nitrogen (N)	8%
Phosphoric anhydride (P_2O_5)	1%
Organic carbon (C)	37%
Calcium (CaO) natural origin	**10%**
Magnesium (MgO)	**2%**
C/N	4.6

FREE FROM PHOSPHITES AND CHROMIUM VI



SOURCE
Meatmeal
and feathermeal

Physical state: micro 2 mm - pellet 4 mm

Packaging available:
25 kg bags - 500 kg bags

CROP	TIMING*	APPLICATION*	DOSAGE/HA*
Vineyards	autumn - spring	localized distribution per row	500-600 kg/ha
Orchards (pome fruits, stone fruits, etc.)	autumn - spring	localized distribution per row	500-600 kg/ha
Greenhouse vegetable crops	pre-sowing or pre-transplant	scatter the product in soil preparation	800-1000 kg/ha

*Le dosi suddette sono indicative. Per l'uso corretto dei prodotti, consultare il Tecnico.