

# GRENA BALANCE 4.3.3

PERMITTED  
IN ORGANIC  
FARMING



## ORGANO-MINERAL FERTILIZER NPK

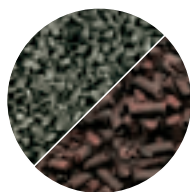


GRENA BALANCE  
is recommended for  
vegetables crops

FREE FROM  
PHOSPHITES AND  
CHROMIUM VI

### SOURCE

*Organic:* meatmeal  
and feather meal  
*Mineral:* soft ground  
rock phosphate and  
potassium sulphate



**Physical state:** micro 2 mm - pellet 4 mm

### Packaging available:

25 kg bags - 500 kg bags

A new innovative natural fertilizer, obtained from Thermal Hydrolysis of proteins rich in amino acid, humic and fulvic acids. High content of amino acid leads this product to be suitable for spring-autumn fertilizing applications, where it helps immediate root generation and propagation. This empowers the root system to absorb the essential nutrients faster therefore to stimulating the total plant growth. GRENA BALANCE has been known to on the one hand, enable the reduction of total annual fertiliser consumption and on the other hand increase the farm productivity.

The use of this product is recommended for those producers who are willing to step up sustainable agriculture and farm input efficiency management. As an additional value GRENA BALANCE contains 48% organic substance which it ensures the soil chemical and physical enhancement. Several applications of GRENA BALANCE increase the soil carbon saturation as containing high level of organic carbon (27%). This in particular increase the soil beneficial microorganisms' symbiosis at Rhizosphere level which cause under/aboveground growth increment, through high nutrients efficiency.

### AMINO ACIDS IN GRENA MATRIX

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

### MICRO-ELEMENTS

B	4.62 mg/kg
Fe	661 mg/kg
Mn	37.2 mg/kg
Zn	67.2 mg/kg

### COMPOSITION

Organic matter	60%
Organic substance (SS) (Cx1.724)	48%
Amino acids and proteins (Nx6.25)	25%
Humic and fulvic acids	4%
Humidity	7%
Total nitrogen (N)	4%
Organic nitrogen (N)	4%
Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> )	3%
Total potassium oxide (K <sub>2</sub> O)	3%
Organic carbon (C)	27%
C/N	6.7
Specific weight	0.85 kg/L

CROP	TIMING*	APPLICATION*	DOSAGE/HA*
Vineyards	mid-autumn to last winter	localized distribution per row	800-1200 kg/ha
Olive groves	mid-autumn to last winter	localized distribution per row	600-1000 kg/ha
Orchards (pome fruits, stone fruits, citrus fruits etc.)	mid-autumn to last winter	localized distribution per row	600-800 kg/ha
Greenhouse vegetable crops	pre-sowing or pre-transplant	scatter the product in soil preparation	800-1000 kg/ha
Open field crops	pre-sowing or pre-transplant	scatter the product in soil preparation	700-1000 kg/ha
Canapa	autumn - spring	scatter the product in soil preparation	1200 kg/ha

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