# GRENA SUPER +2 MgO

PERMITTED IN ORGANIC FARMING BIO

## ORGANIC FERTILIZER NP


*GRENA SUPER is recommended for open field crops, broccoli, garlic, onions, potatoes etc...*

GRENA SUPER naturally contains levorotatory amino acids, meso-elements such as calcium (15%) and micro-elements. GRENA SUPER is recommended for basic fertilisation, in particular for leaf vegetables or with tap root, but also for fibrous root crops such as garlic, onion or leek. The product ensures a high intake of organic compounds that encourage improvement in soil fertility and a continuous availability of essential nutrients for quality production.
**GRENA SUPER is a product with a balanced supply of nitrogen and phosphorus (NP),** in fact, 3% nitrogen and 2% phosphorus are particularly suitable for all vegetables growing underground such as carrots, radish, red turnips, beets or parsnip. It also suitable for broccoli, savoy cabbages, salad greens and radicchio (chicory), both in the open field and in tunnels, as well as fennel and celery, where the content of phosphorus and natural calcium fortifies the cell walls. **The presence of 2% magnesium helps prevent nutritional deficiencies** of crops and ensures better physiological processes. The presence of amino acids such as **alanine, isoleucine and leucine which are precursors of aromas and arginine which is a precursor of taste**, combined with the stimulation of methionine allows a better development of buds and increases the quality and quantity of production.

### 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 |

### COMPOSITION

| | |
|---|---|
| Organic matter | 60% |
| **Organic substance (Cx1.724)** | **38%** |
| Amino acids and proteins (Nx6.25) | 18% |
| Humic and fulvic acids | 11% |
| Humidity | 7% |
| Total nitrogen (N) | 3% |
| **Organic nitrogen (N)** | **3%** |
| Phosphoric anhydride ($P_2O_5$) | 2% |
| Total potassium oxide ($K_2O$) | 1% |
| Organic carbon (C) | 22% |
| **Calcium (CaO) natural origin** | **15%** |
| **Magnesium oxide (MgO)** | **2%** |
| C/N | 7.3 |
| Specific weight | 0.70 kg/L |

**FREE FROM PHOSPHITES AND CHROMIUM VI**

***SOURCE***
Meatmeal

***Physical state:*** pellet 4 mm

***Packaging available:***
25 kg bags - 500 kg bags

| CROP | TIMING* | APPLICATION | DOSAGE/HA* |
|---|---|---|---|
| Orchards and vineyards | Autumn - spring | localized distribution per row | 600-1000 kg/ha |
| Olive groves | Autumn - spring | localized distribution per row | 600-1200 kg/ha |
| Greenhouse vegetable crops | pre-sowing or pre-transplant | scatter the product in soil preparation | 800-1200 kg/ha |
| Open field crops | pre-sowing or pre-transplant | scatter the product in soil preparation | 800-1200 kg/ha |
| Onions | pre-sowing or pre-transplant | scatter the product in soil preparation | 700-800 kg/ha |
| Potatoes | pre-sowing or pre-transplant | scatter the product in soil preparation | 1000-1500 kg/ha |
| Beets | pre-sowing | scatter the product in soil preparation | 400-800 kg/ha |

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