

# GRENA SUPERFERRO

ORGANIC CORRECTIVE - ACTION FERTILIZER NP

PERMITTED  
IN ORGANIC  
FARMING  
**BIO**



GRENA SUPERFERRO is recommended for vineyards, orchards, berries and for treating iron deficiencies of gardens and lawns

FREE FROM  
PHOSPHITES AND  
CHROMIUM VI

**SOURCE**  
Meatmeal and  
iron sulphate



**Physical state:** pellet 4 mm

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

GRENA SUPERFERRO is particularly suitable for soils with iron deficiency as it contains GRENA organic matrix and iron from iron sulphate. The presence of humic and fulvic acids allows stability in the mineralisation process which, in their absence, would occur more quickly and give rise to leaching. Humic and fulvic acids are in fact responsible for the formation of complexes; for example, humic acid with iron becomes a humic iron compound. The humic iron compound is recognized by the plant and is therefore more assimilable. Naturally contained amino acids are in turn activators of root proliferation and chelation. That allows the root system to absorb mineralised NPK in the soil and promote the production of organic compounds to increase the absorption of nutrients including iron. This is why fertilisation with GRENA SUPERFERRO is essential to treat and prevent ferric chlorosis:

- to treat because iron is immediately available
- to prevent the creation of iron reserves for the subsequent phenological phases of the plant.

## 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
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

## COMPOSITION

Organic matter	60%
<b>Organic substance (Cx1.724)</b>	<b>38%</b>
Amino acids and proteins (Nx6.25)	18%
<b>Humic and fulvic acids</b>	<b>10%</b>
Humidity	7%
Total nitrogen (N)	3%
<b>Organic nitrogen (N)</b>	<b>3%</b>
Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> )	2%
Total potassium oxide (K <sub>2</sub> O)	1%
Organic carbon (C)	22%
Sulphuric anhydride (SO <sub>3</sub> )	7%
<b>Total iron (Fe)</b>	<b>3%</b>
C/N	7.3
Specific weight	0.70 kg/L

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

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