

# emosan new



**Allowed in  
organic  
farming**



 **gridelpa**



EMOSAN NEW is an organic fertilizer obtained from processing blood. The working process makes it unique in its kind by physical, chemical and biological properties. Unlike the old processing systems, a completely enzymatic hydrolysis is now performed, thus ensuring a complete transformation of the protein chains in levogyrous amino acids, elements of great value since they are all assimilated by the plant.

This process differentiates noticeably from chemical hydrolysis which alters the characteristics of a large amount of amino acids and thus blocking their assimilation.

The enzymatic hydrolysis is a complex reaction and consists of breaking the peptide bonds. This is exactly what takes place in the stomach of human beings, where at 37 ° C and in the presence of the enzyme pepsin the ingested proteins are transformed into amino acids which can be absorbed directly by the intestinal epithelial cells.



The plants to feed themselves choose only levogyrous amino acids, which are ready-used for building their tissues, while the dextrorotatory amino acids must be first demolished to be absorbed, but they are usually rejected.

EMOSAN NEW, totally based on blood, is the richest in amino acids content among the category of organic fertilizers and is unbeatable for its nourishing and stimulating effect on cell multiplication, which is essential for large sized fruits.

## COMPOSITION

	p/p
Nitrogen (N), total .....	4,2 %
Nitrogen (N), organic .....	4 %
Carbon (C), organic from biological origin .....	16 %
Preservative: trisodium citrate	

## CHEMICAL AND PHYSICAL PARAMETERS

pH of the product .....	6.5
Specific weight at 20°C.....	1.1

## AMINO ACIDS CHART:

### Essential Amino Acids

	p/p
Arginine .....	0,92 %
Phenilalanine .....	1,97 %
Histidine .....	1,74 %
Isoleucine .....	0,07 %
Leucine .....	3,57 %
Lysine .....	2,28 %
Methionine .....	0,45 %
Threonine .....	1,29 %
Tryptophan .....	0,45 %
Valine .....	2,5 %

### Non Essential Amino Acids

	p/p
Alanine .....	2,28 %
Aspartic Acid .....	2,81 %
Glutamic Acid .....	2 %
Glycine .....	1,14 %
Proline .....	0,98 %
Serine .....	1,44 %

### Semi-essential Amino Acids

	p/p
Cysteine .....	0,15 %
Tyrosine .....	0,68 %

## MICROBIOLOGICAL ANALYSIS

- Total bacterial count: < 300
- Clostridium perfringens: absent
- Salmonella spp: absent
- Enterobacteriaceae: < 10

The product is obtained under the supervision of the veterinary service of Bologna.



## Dosage and Way of Use

### FRUIT CROPS (Pear, Apple, Peach, Apricot, Plum, Cherry, Kiwi, Table Grape, Citrus, etc.)

Vegetative restart	20 kg / ha as a carrier for iron and other fertilizers
Late flowering	25 kg / ha in association with nitrogen and potassium to promote cell multiplication
Fruit enlarging	60 kg / ha added weekly to chemical fertilizers to help their assimilation and to increase fruit enlargement
End of harvest	30 kg / ha to let the plant store a good amino acids reserve for the next vegetative restart

### HORTICULTURE AND FLORICULTURE (Tomato, Strawberry, Melon, Watermelon, Berries and small fruits, Artichoke, Cucumber, Zucchini, Aubergine, etc.)

Trapianto	15-20 kg / ha to promote optimum rooting
Durante la crescita	70-80 kg / ha sprayed in fertigation

### CEREALS (Wheat, Barley, Corn, etc.)

Kg 25-30 foliar in association to weedkillers
Kg 25-30 foliar in association to fungicides

## Positive effects

Due to its high nutritional value EMOSAN NEW **allows nitrogen nutrition** without the use of chemical nitrogen.

**Iron (Fe)** is integrated with the organic substance in hemoglobin and acts directly and indirectly against chlorosis of plants.

**Stimulates** cell multiplication and distension in the plant and the development of beneficial micro-organisms in the rhizosphere.

**Allows** quick recovery of plants weakened by environmental stress.

**Guarantees** a stronger root system with better absorption, a more consistent vegetative apparatus and allows to obtain larger fruits with higher quality characteristics, such as sugar content, color, consistency.

**EMOSAN NEW** due to its characteristics is also recommended for organic farming.



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## Compatibility

**EMOSAN NEW** can be mixed to all kinds of fertilizers used in fertigation without risks of clogging.

## Packaging

kg 1	in cartons of 20 pieces, equal to kg 20
kg 5	in cartons of 4 pieces, equal to kg 20
kg 25	on pallet of 32 pieces, equal to kg 800
kg 200	on pallet of 2 pieces, equal to kg 400
kg 1000	in tank, equal to kg 1000



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