NITROGENOUS ORGANIC FERTILIZERS

ECOBIOFER®

SOLUBLE **IRON**

IRON COMPLEXED WITH MANURE

25%$FeSO_4$

ALLOWED IN ORGANIC FARMING **BIO**



COMPOSITION



Organic matrix from humified mixture of manures (bovine and avicultural manure)

Iron salt (sulphate)

PACKAGING:

- **25 kg bag on a 1500 kg pallet**
- **500kg big bags**
- **Bulk**

CHARACTERISTICS:

ECOBIOFER® is obtained from two fertilizers, humified selected manure and Iron salt (sulphate), whose known characteristics are enhanced by their simultaneous presence.

A fundamental step is the mixture of compounds during the last humification phase, in order to allow Iron salt assimilation and to obtain a natural complexed which defends the carbonates present in the soil.

Physical state: cylindrical-shaped homogeneous pellet with an average diameter of 3 - 4mm and an average length of 5 - 7mm.

It prevents and heals ferric chlorosis, which is the consequence of effective Iron deficiencies in the soil or of its unavailability to root absorption, caused by the excessive presence of limestone.

It is therefore necessary that the Iron is protected by the possibility of being immobilized in the soil and the best protective action is performed by humified organic substances.

With an **ECOBIOFER®**-based fertilization, the crop is also provided slow-release organic nitrogen which, above all in autumn fertilizations, does not take the risk of being washed out by the rain.

ECOBIOFER® is ideal for the fertilization of orchard implants (apple tree, pear tree, peach tree, cherry tree, plum tree) and of vineyards, since it allows the creation of Iron and organic matter stocks in depth, in areas of the soil that won't be accessible during the following stages of cultivation.

Recommended doses are usually enough to prevent and heal Iron deficiencies and to realize an adequate basic nitrogenous nutrition.

ECOBIOFER® is widely used during the winter-spring period for the fertilization of gardens, lawns, shrubs, borders of various types. After distribution, it is ideal to slightly bury; from March onwards, irrigate as required.

Open field spreading of the product must take place at a minimum depth of 2 cm and a maximum of 15 cm; usage on arboreal crops must foresee a distance from the trunk of 18/20cm and a depth of 10/15cm.



AVERAGE CONTENTS ON THE SUBSTANCE AS IT IS

pH (indicative)	**5 - 6**
Indicative humidity	**14 - 16%**
Total Nitrogen (N)	**3%**
Organic Nitrogen (N)	**2%**
Total Phosphorus pentoxide (P_2O_5)	**2%**
Total Potassium oxide (K_2O)	**1,5%**
Total Sulphur (SO_3) trioxide	7%
Total Sulphur (SO_3) soluble in water	2%
Humified organic matter	**43%**
Organic Carbon (C) of biologic origin	25%
C/N ratio	8,3
Humification degree (DH)	25%
Humification rate (HR)	10%
Fulvic acids	8%
Humic acids	6%

Iron salt (sulphate) ($FeSO_4$)	**25%**
Specific weight	**0,9 - 1,0 kg/l**

MICROORGANISMS
(expressed in UFC/g, units forming colonies for g of product)

Total aerobic bacteria load	**1.480.800.000**
Total anaerobic bacteria load	**920.500.000**
Salmonella, clostridia, streptococcus, Escherichia coli	**ABSENT**

MICROELEMENTS

Boron (B)	**10 mg/kg**
Total Iron (Fe)	**5%**

Doses and modalities of use in kg/ha

CROP	PERIOD	DOSES	DIRECTIONS
Apple tree, pear tree, cherry tree, apricot tree	Beginning of spring, autumn after harvest	0,5 - 1 kg for each plant	Bury the product; if covered with grass, spread before mulching
Peach tree, plum tree, actinidia	Beginning of spring, autumn after harvest	1,0 - 1,5 kg for each plant	Bury the product; if covered with grass, spread before mulching
Wine grape, dessert grape, citrus fruits	Beginning of spring, autumn after harvest	0,5 - 1 kg for each plant	Bury the product; if covered with grass, spread before mulching
Strawberry, horticultural crops	Before seeding or before transplant during soil preparation	600 - 800 kg/ha	Bury the product before soil arrangement
Protected crops, flower crops, green frond plants	Before seeding or before transplant during soil preparation	80 - 150kg for 1000 m^2	IBury the product or spread on surface; then irrigate

Doses and modalities of use in kg/ha against FERRIC CHLOROSIS

CROP	Non-calcareous and/ or with good amount of organic matter	Non-calcareous and/ or with low amount of organic matter	Lacking Iron and/or very calcareous
Orchards, vineyards, Actinidia, citrus fruits	1000 - 1200	1500 - 2000	2000 - 2500
NEW IMPLANT	Burial depth depends on degree of deficiency		
Orchards, vineyards, Actinidia, citrus fruits	600 - 700	800 - 1100	1000 - 1200
ON THE LINE WITH PLANTS IN PRODUCTION	Slightly bury; if not possible, spread before grass mulching		
Horticultural and flower crops	600 - 900	1000 - 1200	1200 - 1500

Abovementioned doses have indicative value and can vary in relation to pedoclimatic characteristics of each area (fertility: chemical, physical and biological; rainfall and temperature).

Keep in a sheltered dry place.
Keep out of reach of children and animals

The analytical data written on packaging follow the instruction of the regulation in force. All data included in this publication are indicative. DELTA srl reserves the right to change them without prior notice.

Properly dispose of packaging.
Only for professional use.

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