



Sharda Cropchem
España S.L.

TECHNICAL DATA SHEET

FERTISUN Fe 48

FERTISUN Fe 48 is a product formulated with GS and GD technology (the granules are 100 % soluble and dispersible in water, easy to be assimilated, which means an efficient and fast control of the ferric chlorosis. The iron is essential for the chlorophyll synthesis and for the plant development. The iron takes part in the different levels of electron transportation chain, fundamental for the cell respiration and in the metabolism of enzymes and proteins. It also has an important role in the nitrogen fixation.

FERTISUN Fe 48 is an EC fertilizer based on EDDHA-iron and formulated looking for the high concentration on ortho-ortho EDDHA isomer which provides the optimum efficiency in extreme calcium and alkalinity soil conditions. As chelating agents include in the EC regulation on fertilizers (nr. 2003/2003 D.O.C.E 21/11/2003).

Ortho-ortho-EDDHA guarantees the maximum stability and persistence on the soil. Usually after 1 - 2 weeks, when the product has reached the roots, the crop becomes green again

Composition

Ethylenediamine-N, N-bis (2-hydroxyphenylacetic acid), Ferric Sodium complex EDDHA-FeNa

Molecular formula: $C_{18}H_{16}N_2O_6FeNa$

Molecular weight: 435,2

CAS Reg. N°: 84539-55-9

EC No.: 283-044-5



Sharda Cropchem
España S.L.

Declared content

Total soluble Iron	Chelated Iron [o-o] EDDHA (1)	Chelated Iron [o-p] EDDHA (2)
6.0 %	4.8%	0.3 %

Density: 0.65 – 0.75 g/cc.

pH (1% in water): 7.5 – 9.5

pH interval for a good stability (efficiency) of the product: 3 - 11

Chelating agent EDDHA.

Solubility 300 g/l, maximum working solubility 120 g/l at 20 °C

(1) Official o-o-EDDHA method (UNE-EN 13368-2)

(2) Official o-p- EDDHA method (UNE-EN 15452)

Characteristics

FERTISUN Fe 48 is an iron chelate, stable and highly soluble in water, with a clear celerity and shock effect and persistence. Also the chelating agent EDDHA provides and extremely stability, even at higher pH.

It is an iron chelate easy to use, without presenting any kind of plugging problems regarding the watering systems. It is formulated as highly soluble granules and do not produce dust during handling.



**Sharda Cropchem
España S.L.**

Dosage

Crop	Dosage g/tree	Treatment period
Fruit and Citrus Trees		
Breeding of plants	3 - 5	Fruit tree and Vine Crops Apply by the end of winter or beginning of spring, matching up with start of new sprouts.
Seedlings	5 - 15	
Young trees	15 - 25	
Producing trees	25 - 50	
Very grown trees and affected by the ferric chlorosis	50 - 100	
Vineyard		
Young stocks	3-5	Citrus / fruit and other evergreen crops One application during the spring or at the beginning of the summer, before the second sprouting
Producing stocks	5-10	
Grapevine	10-25	
Horticultural and Ornamentals Crops		
Beginning of seasonal growth	1 - 2 g/m ²	Apply from the beginning of crop or after uprooting.
Full growth	2 - 5 g/m ²	

Respect the conditions of environment

Sharda Cropchem España S.L. guarantees the contents and formulation indicated in the data sheet and label but not mixtures or manipulations carried out with the product. In case of mixture or combination with other products it should be previously tested for compatibility.