



DIAFERRENE®

Iron chelated by EDDHA 6%



CHARACTERISTICS

DIAFERRENE is a fertilizer, manufactured from soluble microgranules, containing iron-EDDHA, a chelate conceived specifically for root zone applications in calcareous or alkaline soils.

EFFICACY

- ✓ *Allowed in biological cropping*
- ✓ *Quick action*
- ✓ *Efficacious in elevated pH soils*
- ✓ *High capacity for the prevention and the cure of iron deficiency*

Iron is an essential microelement for the growth of plants. It plays an important role activating many enzymatic biochemical processes. It influences the content of chlorophyll and it is associated with the synthesis of proteins. It positively influences absorption of phosphorus, manganese, molybdenum and copper.

Iron absorption by the plants is, unfortunately, disrupted in all soils that show high pH and active limestone. It is, moreover, ulteriorly aggravated in soils where there is insufficient aeration, elevated salinity, little organic material, and a lot of phosphate available.

These conditions, that unfortunately are present in most parts of Italy, cause in many species and particularly in those of high susceptibility (lemons, grapes, fruit plants, tomatoes, etc.), typical symptoms of iron-deficiency, which is ferric chlorosis.

The addition of inorganic iron to the soil, in order to resolve the chlorosis, shows no significant effect in most cases.

The chelated iron-EDDHA that constitutes DIAFFERRENE is, in the prevention and in the cure of this micro-deficiency, the most efficient among the treatments on the soil. The iron EDDHA is recognized for its characteristic of high stability to elevated pH (up to pH 9,5) and without spraying, is the best solution for ferric chlorosis.

RESULTS

DIAFERRENE applied to the soil in the proximity of the roots or by drip irrigation prevents and cures ferric chlorosis. It supplies a persistent and fast way to supply iron in the proper amount for the growth of plants.

COMPOSITION

	% w/w
Iron (Fe) soluble in water	6
Chelate fraction 100 %	
Iron (Fe) chelate ortho-ortho EDDHA	2.4
Iron (Fe) chelate ortho-para EDDHA	3.6

SPECIFICATION

 Solubility 120 g / lt pH (Solution 1% in H₂O) 4 – 9.5

STATE

Powder

APPLICATION

Soil applied

DOSES, WAY, TIME OF APPLICATION

Crops	Preventive dose	Curative dose	N° and time of applications
Apples, pears	10-20 g/tree	80-100 g/tree	After leaves fall and before vegetative renewal; when there are symptoms of deficiency
Peach-trees	60-80 g/tree	100-150 g/tree	
Citrus trees	80-150 g/tree	150-250 g/tree	
Vines, Actinidia	10-30 g/tree	30-40 g/tree	
Vegetables	1-2 g/m ²	1-2 g/m ²	After transplanting and during the development of fruits and of flowers; when there are symptoms of deficiency
Strawberries	1-3 g/m ²	2-5 g/m ²	
Flowers, ornamental shrubs and trees	4-8 g/m ²	4-8 g/m ²	After seeding and when there are symptoms of deficiency
Lawns, turf	2-5 kg/ha	2-5 kg/ha	

PACKGING

1 kg carton box (carton 1 kg x 10)
 10 kg pail (pail 1 kg x 10)
 20 kg bag

NOTES

The efficiency of DIAFERRENE is increased by the use of products that contain thiosulphate (TIOPLUS BASIS and TIOPLUS 36K), and by the use of products that contain amino acids (AMINOTON) and humic acid (LONITE).

WARNING

DIAFERRENE must be used only if it is necessary. It is very important not to exceed advised doses.

The product is stable from +5°C to +35°C. It must be kept in airy, cool, dry places, far from sources of heat/ignition and it must be protected from sunlight.