



DIAFERRENE HL®

Liquid iron chelated by DTPA 6.5%



CHARACTERISTIC

DIAFERRENE HL is a liquid fertilizer containing iron-DTPA, manufactured specifically for foliar applications.

EFFICACY

- ✓ *Allowed in biological cropping*
- ✓ *Quick action*
- ✓ *High capacity for the prevention and cure of iron deficiency*
- ✓ *Stable to photo-degradation*
- ✓ *Easy its use*

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

The iron nutrition of plants is problematic in the greater part of Italian soils since there are high levels of pH and active limestone that limits the availability of this element for the plants.

Uterior factors that limit the absorption of the iron in the soil are insufficient aeration, high salinity, low levels of organic substances and the high amount of phosphate available. These conditions cause in many cultivated species and, particularly in those of high susceptibility (lemons, grapes, fruit plants, tomatoes, etc.), typical symptoms of iron-deficiency, ferric-chlorosis.

The prevention and cure of the ferric-chlorosis is more and more frequently made with foliar treatments with iron-chelate products, since this practice assures immediate and appreciable results in the plants.

The chelate iron-DTPA that constitutes DIAFFERRENE HL is, in the prevention and the cure of the this micro-deficiency, the most efficient. Iron-DTPA has the best characteristics of stability from photodegradation pH, next to neutrality, and is without any phytotoxic effects.

Because DIAFERRENE HL is in liquid form, it facilitates the preparation of spraying mixtures.

RESULTS

DIAFERRENE HL prevents and cures the ferric chlorosis supplying a persistent and fast way that the necessary iron amounts can be applied for the growth of the plants.

COMPOSITION

	% w/w	% w/v
Iron (Fe) soluble in water	6,5	8,1
Iron (Fe) chelated by DTPA	6,5	8,1

SPECIFICATIONS

Density 1240 g/lit pH 6.5 ± 0.5

STATE

Liquid

APPLICATION

Foliar

DOSES, WAY, TIME OF APPLICATION

Crops	Application rate	N° and time of applications
Fruit trees	Foliar: 100-150 g/hl (1-1,5 kg/ha) 75-120 ml/hl (0,75-1,2 l/ha)	3 – 4 applications beginning from vegetative renewal or at the first symptoms of deficiency every 7-10 days
Vines		
Vegetables, leafy vegetables, flowers, ornamental shrubs and trees	Foliar: 100-120 g/hl 75-90 ml/hl Drip Irrigation: 25-100 g/m ³	4 applications from transplanting or from the first symptoms of deficiency every 7-10 days

PACKAGING

1 lit bottle

(carton 1 lit x 16)

NOTES

The efficiency of DIAFERRENE HL is increased when used in a mixture with products that contain amino acids (ALBAMIN and AMINOTON).

WARNING

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

It is very important to not use DIAFERRENE HL in a solution with very alkaline chemical compounds, mineral oils, sulphur, or polysulphides. If DIAFERRENE HL is used in mixture with other products it is advised to carry out tests of compatibility on a small scale before use.

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.