

Librel[®] Fe-DP

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Iron DTPA Chelate

Product Information

Product Type	Micronutrient fertiliser conforming to the definition of "EC FERTILISER"
Description	Ferric diethylenetriamine penta acetate disodium salt (FeDTPA Na ₂).
Intended Use	<ul style="list-style-type: none">• To correct iron deficiency in most agricultural, horticultural and fruit crops. Recommended for soil application.• As a micronutrient source in hydroponics, liquid feed solutions and soilless growing media.
Typical Analysis	Iron (as Fe) 7% w/w
Analytical Method	Available on request
Appearance	Orange/brown spray agglomerated microgranule
PRD-No.	30482337
Solubility (in water)	~150 g/l (at 20 °C)
Specification	See separate document: "Standard Specification" available via BASF's WorldAccount: https://worldaccount.basf.com (registered access).
Packaging	Detailed information on the packaging is available via BASF's WorldAccount: https://www.worldaccount.basf.com (registered access).
Storage	Librel Fe-DP will store indefinitely under normal conditions. For user convenience it is recommended that the product is stored in a dry place. Re-seal partly used packs tightly.
Transport Precautions	No special precautions are necessary for transport by air, sea, rail or road.
Harmonised Tariff No.	3105-9099-90
Health & Safety	Detailed information on the product described in this leaflet can be found in our relevant Health and Safety Information (Material Safety Data Sheet) available via BASF's WorldAccount: https://worldaccount.basf.com (registered access).

Directions for Use

General Information

Librel Fe-DP gives best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. Conditions which are responsible for one particular deficiency can also induce deficiencies of other micronutrients. Always ensure that deficiencies are confirmed before treatment is carried out.

Mixing With Water

The powder should be added slowly to the main bulk of the water while it is being agitated. Continue agitation for a short while to ensure complete dissolution.

Compatibility

Librel Fe-DP is compatible with all Librel chelates and solutions containing soluble phosphates.

Soil Application

General Information

The best way to add Librel Fe-DP to the soil is to dissolve it in a convenient amount of water (e.g. 10 grams per litre) then apply as a coarse low pressure spray. If the soil is densely compacted, the surface should be broken up before application.

Applications should always be incorporated into the top few centimetres of soil as soon as possible after application. This can be done by harrowing or hoeing in, or by irrigation.

For deep-rooting trees and shrubs, Librel Fe-DP solution may be applied to the root feeding zone using a pressure injector.

Librel Fe-DP may also be applied through irrigation systems by periodically adding the equivalent of 1.0 kg per hectare in 10,000 litres of water. Frequency of addition will depend on the degree of deficiency.

Rates of Use

Crop	Rates of Use
Field Crops	Apply 1.0 – 5.0 kg/ha
Trees	Apply 25 – 100 g per tree
Shrubs, Bush Fruit	Apply 0.5 – 2.5 kg per 100 bushes
Soft Fruit	Apply 0.5 – 1.0 kg per 100 plants

These rates indicate upper and lower limits. Actual amounts used will depend upon the size of the crop and the degree of deficiency or both.

Hydroponic Application

1 ppm (17.86 $\mu\text{mol/l}$) iron can be achieved by adding 15 g of Librel Fe-DP per 1000 litres of solution.

Where stock tank is used, the above may be proportioned up by the appropriate dilution factor.

Note

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