TECHNICAL INFORMATION



Solufeed Fe 13.2 EDTA

Chelated iron fertiliser

Highly effective and compatible microcrystalline formulation of iron EDTA

Uses

1. As a iron micronutrient source for hydroponics, liquid feed solutions and soilless growing media.

2. To prevent and correct iron deficiency in most, horticultural, ornamental and arable crops. Recommended for foliar application.

Benefits

Solufeed Fe 13.2 EDTA is a highly stable, top quality, chelated iron fertiliser for safe, efficient and convenient prevention and correction of iron deficiency. Supplied as free-flowing, dustless and soluble microcrystals.

Compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.

Excellent environmental and regulatory credentials.

For more background information about chelates please ask for a copy of "*Why chelates?*" available from Solufeed.

Analysis

EC FERTILISER
A microcrystalline formulation of iron ethylenediamine tetraacetate (Fe EDTA) containing:

Water soluble Fe:	13.2 %
Fe chelated by EDTA:	min 12.5%

Practical pH stability range: 4 – 9 (in aqueous solution)

Analytical method available on request.

Chemical/physical data

Appearance:	Yellow crystalline solid
Solubility:	~75 g/l (in water @ 20°C)
Harmonised Tariff No:	2922-49-70

Directions for use

Foliar Application

Solufeed Fe 13.2 EDTA should be dissolved in a convenient volume of water to suit the spraying machine being used and the target crop leaf area. The following points should be observed:

1. The sprayer should be fitted with nozzles that produce a fine mist.
2. Only sufficient spray solution should be applied to coat the leaves and stems with a film of moisture with little or no "run off".
3. Spraying should be carried out on a calm day BUT NOT DURING STRONG SUNSHINE OR HIGH TEMPERATURES. The best time is late afternoon or evening.
4. If rain is imminent, spraying should be postponed. If rain falls within 4 hours of spraying, the crop should be re-sprayed 3 or 4 days later.

NB Fruit Crops
Do not exceed a solution of 0.1% (1g/l) for any one or combination of *Solufeed* chelates. Some fruit varieties and cultivars can exhibit unpredictable sensitivity to EDTA chelates. Where local experience of successful use is not available, we strongly recommend small-scale test applications before wide spread use.

Application rates, general

Solufeed Fe 13.2 EDTA may be applied in one application of 1.0 kilograms per hectare but optimum results can be expected if repeat applications are used. In general, foliar applications should be started early in the season as soon as there is sufficient leaf area to absorb the spray.

Water Volume

The amount of *Solufeed Fe 13.2 EDTA* to be applied should be mixed with a volume of water appropriate to the crop leaf area of the type of spraying machine being used. Typically,

Arable crops: 200-600 litres per hectare.

Fruit crops: 500-1000 litres per hectare.
NB: Do not exceed a solution concentration of 0.1% (100 grams per 100 litres of water).

Wetting Agent

Unless *Solufeed Fe 13.2 EDTA* is to be applied with a pesticide containing sufficient wetter, then a standard, agricultural non-ionic wetting agent should be used as recommended by the manufacturer.

Small Scale Use

For example, using a knapsack sprayer. Prepare a 0.05 - 0.1% (0.5 - 1.0 gram per litre) solution and apply so as to coat the leaves and stems with a thin film of moisture with little or no run-off.

Hydroponics/fertigation

1ppm (17.86 µmol/L) iron can be achieved by adding 7.5 grams of *Solufeed Fe 13.2 EDTA* per 1000L of solution.

General information

Solufeed Fe 13.2 EDTA gives best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. Conditions that 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

Simply add the powder to water while it is being agitated, do not pre-mix. Continue agitation for a short while to ensure complete dissolution.

Compatibility

Solufeed Fe 13.2 EDTA is compatible with all other *Solufeed* chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilisers.

Technical service

Please contact Solufeed at the address below for assistance.

Precautions

Statutory Caution: To be used only where there is a recognised need. Do not exceed the appropriate dose rate.

No health hazard is involved when *Solufeed Fe 13.2 EDTA* is used as directed

No special precautions are necessary for transport by air, sea, rail or road.

Storage

Solufeed Fe 13.2 EDTA will store for a minimum of two years under correct conditions. For user convenience. it is recommended that the product is stored in a dry place. Re-seal partly used packs tightly.

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below. This should be read fully before use.

Important

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

Please note that products may differ or be unavailable in certain territories.

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