

Analysis and properties

EC FERTILISER

A liquid formulation of sodium ferric ethylenediamine bis-(2-hydroxysulphonylphenyl acetate) (Fe EDDHSA Na) containing:

Water soluble Fe: 2.0 %
Fe chelated by EDDHSA: 2.0 %
Fe chelated by o-o EDDHSA 1.9 % minimum

Practical pH stability range: 4 – 10 (in aqueous solution)

Appearance: Dark red/brown liquid
Solubility: Completely miscible in water
Specific gravity: 1.32



Directions for use

For ornamentals, nursery stock and similar crops apply a drench containing 25 mls *Solufeed Rapid* per 100 litres of water. Repeat up to three times at 5 – 7 day intervals or until symptoms improve. Thereafter revert to the normal feeding regime but keep monitoring the crop.

1 ppm (17.86mmol/l) iron can be achieved by adding 39 mls of *Solufeed Rapid* per 1,000 litres of final feed solution. Usually achieved by making up concentrated stock tank and then diluting.



Typical iron deficiency symptoms, primrose

Other products from Solufeed:

Water soluble fertilizers

A complete range of standard and crop specific formulations

Chelated micronutrients

Probably the widest range of single element and combi products from any supplier

Organics

A range of environmentally sensitive products for crop production

And more . . .

Get your supplies from:

Buy online at
shop.solufeed.co.uk



Solufeed Ltd
Barnham, West Sussex PO22 0BT UK
Tel: +44 (0)1243 554090 enquiries@solufeed.com
www.solufeed.com

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

Copyright ©2014 Solufeed Ltd.

Solufeed and the wavy parallelogram device are trademarks of Solufeed Ltd and registered in relevant countries.

December 2014



Rapid

Chelated Iron Fertilizer

Speciality high performance liquid FeEDDHSA



- ❖ **New speciality iron chelate formulation**
- ❖ **Technically superior to most existing formulations – 95% ortho-ortho isomer**
- ❖ **Important agronomic advantages**
- ❖ **Peace of mind for growers of high value crops**

Top Quality Speciality Fertilizers

Introduction

Of all micronutrient disorders in plants iron deficiency is probably of greatest economic importance affecting numerous high value crops growing in strategic areas.

Iron is an essential micronutrient required for normal growth and plant function. It has a key role in the production of chlorophyll and so crucial for photosynthetic efficiency. Lack of iron causes the classical symptoms of interveinal yellowing which in turn lead to losses of yield, quality and margins.

Iron chelates are now routinely used to prevent and correct deficiencies and in many cases economic production of crops would be impossible without them. The usual iron chelate for hydroponics or fertigation (inert substrate growing systems) is FeEDTA or FeDTPA.

While traditionally associated with the correction of iron deficiency in crops growing in high pH, calcareous soils, FeEDDHA is being used more and more to overcome special, physiologically induced iron deficiency problems. FeEDDHA chelate has excellent pH stability but more importantly, it is unaffected by bicarbonate or other solution components, thereby being able to maintain a supply of biologically available iron to plant roots.

FeEDDHA is one of three related compounds (homologues) differentiated by slight differences in molecular structure. Another is FeEDDHSa which has better solubility especially at low pH and offers advantages where the material is used to create stock tanks for example.

Solufeed Rapid is a high performance liquid formulation of FeEDDHSa.



Features and benefits

- Contains 2.0 % water soluble iron chelated by EDDHSA, 95% of which is chelated by the ortho-ortho isomer. This is most biologically effective so correction of iron deficiency is quick and reliable.
- Remains physically in solution at very low pH levels so ideal for adding to acidified "A" stock tanks.
- High chemical stability therefore suitable for use in calcareous, high pH (up to 9.0 and above) soils.
- Compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.
- Supplied as an easy to use liquid formulation. Can be measured volumetrically and disperses instantly.

Uses

- For the speedy, 'emergency' correction of iron deficiency when symptoms appear in a growing crop.
- As an efficient iron source in hydroponics and fertigation systems particularly where low pH stock tanks are employed.
- A high performance iron chelate to prevent and correct iron deficiency in most, horticultural and ornamental crops growing in high pH conditions.
- Especially recommended where the correction of iron deficiency is agronomically critical to achieve crop quality and profitability.

