



PRODUCT INFO
& DATASHEET

SICOGREEN[®]-S FERRO

7% N + 7% Fe (foliar solution) (w/v)

Sico's new organic iron complex for prevention and control of iron deficiency

Safe Iron: The new standard in control of iron chlorosis

1. PRODUCT DESCRIPTION

- * **SICOGREEN[®]-S FERRO** is a newly developed organic iron complex for the prevention and control of iron deficiency in horticultural and arable crops.
- * **SICOGREEN[®]-S FERRO** is formulated as suspension concentrate and is suited for foliar nutrition and fertigation as well. The fluid suspension makes handling much easier in comparison to standard synthetic-organic metal-chelates in powder formulation.
- * **SICOGREEN[®]-S FERRO** ensures a rapid absorption by the foliage (starter effect) as well as a durative effect due to its outstanding adhesive properties.
- * **SICOGREEN[®]-S FERRO** is very safe in comparison to conventional amino-polycarboxylate-chelates.
- * Furthermore, iron losses by leaching are dramatically reduced because ***SICOGREEN[®]-S FERRO** sticks extra-ordinarily well on the foliage.
- * These properties make the use of **SICOGREEN[®]-S FERRO** much more economical than other conventional iron chelates or salts.
- * **SICOGREEN[®]-S FERRO** is highly resistant to high pH-values of spray and soil solutions (up to pH 9).

As a result, **SICOGREEN[®]-S FERRO** can also be recommended for fertigation systems (drip irrigation) on calcareous and alkaline soils.

2. NUTRIENT CONTENTS

Iron fertilizer solution

w/w	w/v
5 % Fe	Iron water soluble (70 g/l)
5 % N	Nitrogen (70 g/l)

Contains additionally organic formulation additives.
The Iron is 100 % complexed.

3. PHYSICOCHEMICAL PROPERTIES

Density	1,4 g/cm ³
pH value	approx. 6,5
Colour	dark olive green

4. BIOLOGICAL/TECHNICAL PROPERTIES & ADVANTAGES

SICOGREEN[®]-S FERRO is completely non-hazardous to the environment and fully biodegradable.

Key benefits of **SICOGREEN[®]-S FERRO**

- * The new standard in the control of iron chlorosis
- * Innovative new iron complex
- * Safe: non-burning
- * Suited for foliar and soil application
- * Not sensitive to light
- * Easy handling
- * Extraordinary adhesiveness and rainfastness
- * Highly efficient
- * Fully bio-degradable
- * Non-corrosive

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be

SICO FERTILISERS
EVERY TIME THE *right* SOLUTION



**PRODUCT INFO
& DATASHEET**

5. FIELDS OF APPLICATION AND USAGE RATES

* Crop	Timing	Rates of use (l/ha)
Pomme fruit	before flowering, after June drop note: do not use in cultivars sensitive to russetting	2 l/ha (0.2 %)
Stone fruit	soon after flowering 2-3 weeks after first application	2 l/ha 2 l/ha
Strawberries	at start of vegetation before flowering	1 – 2 l/ha
Viticulture / Table grapes	at first appearance of chlorosis repeat at fortnight-intervals (not during bloom)	2.5 l/ha
Vegetables (open field)	2 – 3 times after first chlorosis appearance	2 – 3 l/ha
Arable crops	2 – 3 times after first chlorosis appearance	1 – 2 l/ha
Ornamentals / Nurseries	substrate application	0.3 – 0.5 %
Turf / Greens & Tees	mainly in spring and autumn depending on local conditions	100 – 150 ml/100 m ² turf: min. 4 l water per 100 m ²

SICOGREEN®-S FERRO is non-corrosive and can be applied by spraying and sprinkling, together with pesticides as well as with drip irrigation/fertigation systems. Do not mix with **SICOGREEN® P** or other P-containing products and with acidic materials.

6. RATES OF USE FOR FERTIGATION (OUTDOOR)

Preparation of stock solution; Dissolve 4 L of **SICOGREEN®-S FERRO** in 1000 L of water; dilute 1:100 for final concentration. Apply recommended rate in 2-4 doses at 10-15 day intervals at the early stage of development.

Note: the stability of the chelate may be reduced by high P concentration in the soil solution.

7. IRON, A VITAL ELEMENT

Iron is a vital element for crops. Its presence is essential for the formation of chlorophyll and therefore for growth and the development of the plant. The characteristic symptom of the deficiency of this element is "iron chlorosis" which is observed particularly in young leaves with a progressive yellowing of the interveinal leaf areas, while the veins remain green.

8. IRON DEFICIENCY

Iron chlorosis is particularly frequent in calcareous soils, where iron, even if present in sufficient amounts, is rendered insoluble by active lime. As a result, iron is no longer taken up by the plant root system.

9. PACKING

10 l / 25 l / 100 l

10. PRECAUTIONS & LIABILITY

When storing the product, temperatures below 0 °C (32 °F) and above + 30 °C (86 °F) as well as frequent temperature fluctuations should be avoided. Keep the product in the original container till application.

When mixing with pesticides for the first time, test on a small scale before general use.

The recommendations given here are of a general nature only. Please consult the special instructions for use before applying the product.

As storage and application of fertilizers are beyond our control, we only can be held liable for the satisfactory quality of the product at the time of shipment.