PRODUCT INFO & DATASHEET

SICOGREEN®-S SUPER Fe

Suspension N-K-Mg Foliar Fertiliser 16-0-32 + 3MgO + 1.6Fe + CTE (w/v)

SICO's suspension foliar fertiliser for the prevention and elimination of deficiencies in crops with special iron requirements, especially roses

1. PRODUCT DESCRIPTION

SICOGREEN®-S SUPER Fe is a formulation with a high iron content. It is used as a foliar fertiliser to prevent or eliminate nutrient deficiencies in all crops with special iron requirements, such as roses, ornamentals, grapes, vegetables and cereals. As it also has high nitrogen, potassium and magnesium contents and a full complement of micronutrients, foliar nutrition with **SICOGREEN®-S SUPER Fe** also represents a meaningful supplement to general plant nutrition to the soil for improving the quality of the crops.

2. NUTRIENT CONTENTS

Macronutrients		**% w/v**	**% w/w**
Total N	(nitrogen)	16	10
Nitrate N		2.2	1.4
Carbamide N		13.8	8.6
K20	(potassium)	32	20
MgO	(magnesium)	3	2
S	(sulphur)	5.6	3.5
Micronutrients		**g/l**	**% w/w**
B	(boron)	0.320	0.02
Cu*	(copper)	0.800	0.05
Fe*	(iron)	16.00	1.0
Mn*	(manganese)	0.800	0.05
Mo	(molybdenum)	0.16	0.001
Zn*	(zinc)	0.800	0.05

* Fully chelated micronutrients EDTA

3. PHYSICOCHEMICAL PROPERTIES

Appearance:	crystalline suspension
Density:	approx. 1.6 g/cm3
Ph-value:	approx. 6.0
Colour:	greenish brown

4. BIOLOGICAL/TECHNICAL PROPERTIES & ADVANTAGES

* High micronutrient content, particularly iron to minimize the risk of iron chlorosis.
* High macronutrient content for generally improved plant growth and nutrient uptake.
* Fully chelated cationic micronutrients, iron included.
* Superchelation improves the quality of the spray solution.
* Excellent crop safety.
* Nutrients readily available to plants.
* Can be applied with all usual HV and LV spraying and sprinkling equipment.
* Compatible with most commonly used pesticides.

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5. RATES AND METHODS OF USE

Crop	Rate	Number and timing of applications
Grapes	5 l/ha	* In conjunction with all pesticide applications to prevent or eliminate iron-induced chlorosis. Important application times: 1st application: at the 5-6 leaf stage (12) 2nd application: pre-blossom (21) 3rd application: post-blossom (25) 4th application: before cluster filling (33-35) Applications should begin soon after bud burst if the chlorosis is severe. * If severe chlorosis symptoms are to be expected, such as they chronically appear for instance on typical limy locations, foliar application with **SICOGREEN®-S SUPER Fe** and/or soil application with **SICOCHEL IRON CHELATES** should be taken into consideration additionally.
Ornamentals	0.05-0.15%	* More frequent applications at a lower concentration are more effective, if the chlorosis is severe. Max. 0.05% to sensitive crops. * A small-scale test is recommended before general use because of the differing response of the various species and varieties of ornamentals.
Vegetables	0.1-0.15%	Several applications to prevent or combat iron deficiency.
Cereals	3 l/ha	3 applications between 1-node stage and the beginning of ear emergence
Roses	0.3-0.5% or 0.1%	In drip irrigation, at rate of 3-4 treatments along with the general fertigation at weekly application

6. PACKAGING

10 l / 100 l

7. PRECAUTIONS

When storing **SICOGREEN®-S SUPER Fe,** temperatures below -5°C (23°F) and above +40°C (104°F) and frequent temperatures variations should be avoided, as considerable changes in temperature and/or too low temperatures (and l ong-term storage) can cause crystallization. The crystals will however easily dissolve again in the spray solution. Prolonged storage may also cause colour change and a reversible phase separation. Neither crystallization nor colour change will in any way affect the product quality as regards the desired physiological effect. 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.

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