



PRODUCT INFO
& DATASHEET

SICOGREEN[®]-S COPPER 6.8%N + 6.8%Cu (w/v)

Sico's new organic copper complex for very efficient prevention and correction of copper deficiency in arable and horticultural crops
Excellent crop safety!

1. PRODUCT DESCRIPTION

* **SICOGREEN-S[®] COPPER** is a newly developed organic copper complex for the prevention and control of copper deficiency in horticultural and arable crops.

* **SICOGREEN-S[®] COPPER** is formulated as crystal suspension concentrate and is particularly suited for foliar nutrition. The fluid suspension makes handling much easier in comparison to standard synthetic-organic metal-chelates in powder formulation.

* **SICOGREEN-S[®] COPPER** ensures a rapid absorption by the foliage (starter effect) as well as a durative effect due to its outstanding adhesive properties.

* **SICOGREEN-S[®] COPPER** is very safe in comparison to conventional amino-polycarboxylate-chelates. Furthermore, copper losses by leaching are dramatically reduced because **SICOGREEN-S[®] COPPER** sticks extraordinarily well on the foliage.

These properties make the use of **SICOGREEN-S[®] COPPER** much more economical than other conventional copper chelates or salts!!

* Environmental properties: **SICOGREEN-S[®] COPPER** = fully bio-degradable.

2. NUTRIENT CONTENTS

Copper fertiliser solution.

Micronutrients		% w/w		g/l (w/v)
N	(nitrogen)	5	%	67.5
Cu	(copper)	5	%	67.5

Additionally, **SICOGREEN-S[®] COPPER** contains organic formulation additives.

3. PHYSICOCHEMICAL PROPERTIES

Colour:	blue green
Density:	1.35 g/cm ³
pH-value:	approx. 6.5

4. BIOLOGICAL/TECHNICAL PROPERTIES & ADVANTAGES

- * innovative new organic copper complex
- * beneficial fungicide effect due to Cu²⁺ -ions on foliage
- * particularly suited for foliar application
- * good penetration
- * easy handling
- * extraordinary adhesiveness and rainfastness
- * better adherence and retention on the leaves compared with copper sulphate salt
- * fully bio-degradable

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.

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SICO FERTILISERS
EVERY TIME THE *right* SOLUTION



5. FIELDS OF APPLICATION AND USAGE RATES

Crop	Timing	Rates of use (l/ha)
Winter cereals	<ul style="list-style-type: none"> at the beginning of stem extension at flag leaf emergence Do not apply at anthesis (flowering) !	1 - 2 l/ha
Spring cereals	<ul style="list-style-type: none"> from early tillering Do not apply at anthesis (flowering) !	1 - 2 l/ha
Sugar beet	<ul style="list-style-type: none"> 4 – 6 leaf stage 	1 - 2 l/ha
Pome and stone fruit	<ul style="list-style-type: none"> apply postharvest only (may cause russetting) 	1 – 1.5 l/ha
Small berries	<ul style="list-style-type: none"> start as soon as deficiency symptoms appear 	1 - 2 l/ha
Grapes	<ul style="list-style-type: none"> start as soon as deficiency symptoms appear Do not apply during bloom !	1 – 1.5 l/ha
Citrus	<ul style="list-style-type: none"> when trees have the most fully expanded new leaves Do not apply during bloom and just before harvest !	1 – 1.5 l/ha
Corn		1 - 2 l/ha
Cotton		1 - 2 l/ha
Soybeans		1 - 2 l/ha
Rice		1 - 2 l/ha
Lettuce	After diagnosis of copper deficiency or where a known soil deficiency occurs. Apply at an early stage, but allowing the crop to attain an adequate leaf area for Cu absorption.	1 – 1.5 l/ha
Onion		1 – 1.5 l/ha
Carrot		1 – 1.5 l/ha
Spinach		1 – 1.5 l/ha
Tomatoes, Peppers		1.5 – 2 l/ha
Lucerne		1 – 1.5 l/ha
Oil palm	Particularly for immature plants planted on deep peat soils Mid-crown chlorosis	1 - 2 l/ha

**Use sufficient water (200 – 600 l of water/ha) to get good coverage of foliage.
Note: Copper (Cu) can injure plants, if applied at higher amounts than necessary !**

SICOGREEN-S® COPPER can be applied by spraying and sprinkling, together with pesticides as well as with drip irrigation / fertigation systems. Do not mix with other P-containing products nor with acidic materials.

6. PACKAGING

10 l / 25 l / 100 l

7. PRECAUTIONS AND LIABILITY

When storing **SICOGREEN-S® COPPER**, temperatures below 0°C (32°F) and above +40°C (104 °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.