PRODUCT INFO & DATASHEET

SICOGREEN®-S Zinc

7% N + 8.6% Zn (foliar suspension) (w/v)

SICO's new organic zinc complex for prevention and control of zinc deficiency leaf fall in viticulture and pome fruits - Extremely safe

1. PRODUCT DESCRIPTION

* **SICOGREEN®-S ZINC** is a newly developed organic zinc complex for the prevention and control of zinc deficiency in horticultural and arable crops.

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

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

These properties make the use of SICOGREEN®-S ZINC much more economical than other conventional zinc chelates or salts.

* Environmental properties: **SICOGREEN®-S ZINC** is completely non-hazardous to the environment and fully biodegradable.

2. NUTRIENT CONTENTS

Zinc Fertiliser suspension for foliar fertilisation.

w/w		w/v
6 % Zn	Zinc water soluble	86 g/l
5 % N	Nitrogen	70l g/l

Contains organic formulation additives. Organic complexed zinc.

3. PHYSICOCHEMICAL PROPERTIES

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

4. BIOLOGICAL/TECHNICAL PROPERTIES & ADVANTAGES

Key benefits of **SICOGREEN®-S ZINC**

* **Innovative extremely safe new organic zinc complex**
* Safe: non-burning
* Particularly suited for foliar application
* **Highly efficient zinc foliar uptake**
* Easy handling
* Extraordinary adhesiveness and rainfastness
* Better adherence and retention on the leaves compared with zinc sulphate salt
* Fully bio-degradable

5. ZINC DEFICIENCY

Zinc deficiency in agricultural crops is one of the most common micronutrient deficiencies.
Zinc deficiency is frequently found where the surface soil has been removed. Soils with high organic matter content, alkaline-carbonate soils (pH > 7.2), highly weathered acid soils, excessive levels of phosphorus as well as cool soil temperatures often cause zinc deficiency. In calcareous soils, Zn deficiency is often associated with iron deficiency.

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

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6. FIELDS OF APPLICATION AND USAGE RATES

Crop	Timing	Rate of use
Pome fruit	after bud burst and before flowering post harvest	1-2 l/ha 2 l/ha
Stone fruit (Peach, etc...)	soon after flowering 2 - 3 weeks after first application	1-2 l/ha 1-2 l/ha
Citrus	after the spring flush is 2/3 expanded; repeat after 14 days	2 l/ha
Cotton	at square initiation before boll setting	2 l/ha 2 l/ha
Rice	at mid-tillering at flower primordia formation	2 l/ha 2 l/ha
Soybean	four and six weeks after sowing (preflowering stage)	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 l/ha
Coffee	after the first main flowering during the flush periods	1-2 l/ha 1-2 l/ha
Vegetables (open field)	2-3 times after first symptoms appear	1-2 l/ha
Maize	at the three leaf stage at the five leaf stage	2 l/ha 2 l/ha
Winter Cereals	1. autumn/winter treatment 2. when 1st node becomes detectable 3. when flag leaf becomes visible	1-2 l/ha 1-2 l/ha 1-2 l/ha
Spring Cereals	1. at the 3-4 leaf stage 2. at the stage of 2nd node to flag leaf	1-2 l/ha 1-2 l/ha
Oilseed Rape	at any crop stage when deficiency symptoms appear	1-2 l/ha
Peas	at any crop stage when deficiency symptoms appear	1-2 l/ha
Ornamentals	at any crop stage when deficiency symptoms appear	200-250 g/hl
Nurseries at any crop stage when deficiency symptoms appear		1-2 l/ha

7. APPLICATION

SICOGREEN®-S ZINC 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®-L Super P** or other P-containing products and with acidic materials.

8. PACKING

10 L / 25 l / 100 l.

9. PRECAUTIONS & LIABILITY

When storing the product, temperatures below 0 °C (32 °F) and above +30 °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.

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.

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