



PRODUCT INFO
& DATASHEET

SICOGREEN[®]-S CALCIUM

*Suspension High Ca Foliar Fertiliser 16-0-0 + 3MgO + 24CaO + TE
(w/v)*

*SICO's safe and highly effective calcium supply &
foliar nutrition to fruit and vegetables*

1. PRODUCT DESCRIPTION

SICOGREEN[®]-S CALCIUM is a formulation with a very high calcium content. It is used for crop-specific foliar nutrition to prevent or eliminate general calcium deficiencies or physiologically implied calcium deficiencies of fruit and vegetables.

In addition to the high calcium content, **SICOGREEN[®]-S CALCIUM** is a supplementary foliar nutrition with nitrogen, magnesium and all the micronutrients required to achieve optimal plant growth, increased yield and improved quality.

2. NUTRIENT CONTENTS

Macronutrients		% w/v	% w/w
Total N	(nitrogen)	16	10
Nitrate N		13.6	8.5
Carbamide N		2.1	1.3
Ammoniacal N		0.3	0.2
MgO	(magnesium)	3	2
CaO	(calcium)	24	15
Micronutrients		g/l	% w/w
B	(boron)	0.80	0.05
Cu*	(copper)	0.64	0.04
Fe*	(iron)	0.80	0.05
Mn*	(manganese)	1.60	0.1
Mo	(molybdenum)	0.016	0.001
Zn*	(zinc)	0.320	0.02

* Fully chelated micronutrients (EDTA)

3. PHYSICOCHEMICAL PROPERTIES

Density (20°C/68°F): approx. 1.6 g/cm³

pH (20°C/68°F): approx. 6.5

Colour: olive green

4. BIOLOGICAL/TECHNICAL PROPERTIES & ADVANTAGES

- * Specially developed for foliar nutrition.
- * Calcium supply plus foliar nutrition with nitrogen, magnesium and a high micronutrient content
- * **Significantly higher calcium efficiency than traditional single calcium salt sprays.**
- * High crop safety.
- * Has none of the disadvantages of common calcium sprays such as phytotoxicity at certain stages of growth, temperatures, or unsatisfactory compatibility with pesticides.
- * Bio-effective additives for weather-independent uptake of calcium and all other nutrients.
- * Fully chelated cationic micronutrients for excellent absorption and translocation in the plants.
- * Can be applied with all usual HV and LV (LV: up to 5% of concentration) spraying and sprinkling equipment.
- * Compatible with most commonly used pesticides.
- * **Improves shelf life of fruit and vegetables.**

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	Rate	Number and timing of applications (alone or in conjunction with pesticide spray)
Apples	* generally: 3-6 l/ha * varieties with low susceptibility to bitter pit: 3-4 l/ha * varieties susceptible to bitter pit: 6 l/ha	Regularly from early fruitlet stage (I) onwards until shortly before harvest with a minimum of 6 applications.
Strawberries	5 l/ha	In conjunction with the last 2-3 fungicide sprays.
Tomatoes Peppers	* field crops: 3-6 l/ha * protected cultivation: 0.1-0.5%	Repeated applications at 7-10 day intervals starting approx. 10 days after fruit set.
Cucumbers Melons	0.3 – 0.5 %	Start applications early after fruit set and repeat at fortnight intervals until approx. one week before harvest.
Brussels Sprouts Cauliflower Celery Chicory Chinese Cabbage Endive Head Lettuce	0.3 – 0.5 %	Weekly applications ! * Head lettuce, Chinese cabbage, cauliflower: start shortly before head formation * Celery: start approx. 5-7 weeks before harvest properly wetting the heart of the plant * Endive: start approx. 10-14 days after planting
Sweet Cherry	5-6 l/ha at 1500 l spray solution/ha	3-4 pre-harvest applications at 2-week-intervals starting approx. 6-8 weeks before harvest
Viticulture	* 5 l/ha * 5 l/ha	* In periodical admixture to pesticide sprays beginning after blossom * From the beginning of berry softening onwards repeated at 14-day intervals
Peaches and Nectarines	5 l/ha	4-6 applications: * 1. applications from fruit set * 2. application 2weeks later * 3. 6. application when fruits have reached walnut size at 14-day-intervals

6. PACKAGING

10 l / 25 l / 100 l

7. PRECAUTIONS

When storing **SICOGREEN®-S CALCIUM**, temperatures below +5°C (41°F) and above +40°C (104°F) and frequent temperatures variations should be avoided, as considerable changes in temperature and/or too low temperatures 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.