



**PRODUCT INFO
& DATASHEET**

SICOGREEN[®]-L SUPER

Liquid NPK 10-10-7.5 + TE (w/v)

SICO's well-balanced N-P-K liquid fertiliser for high value crops

For horticulture, agriculture and hydroponics

12/2016

1. PRODUCT DESCRIPTION

SICOGREEN[®]-L SUPER is a liquid fertilizer with a full complement of macro and micronutrients. It is used as a general supplementary foliar feed in horticulture and agriculture for the prevention or elimination of nutrient deficiencies in a wide range of crops. **SICOGREEN[®]-L SUPER can also be used as soil fertiliser (esp. in horticulture), and has proved to be very successful for hydroponics.** Due to the additives in the formulation, the rate of nutrient uptake is high. As a consequence, it is particularly suitable for improving the leaf colour and shine of ornamentals, even shortly before they are sold. And it does not leave marks!

2. CONTENTS

Macronutrients			% w/v **	% w/w
Total N (nitrogen)			10	8
Nitrate N	NO ₃ -N		2.8	2.3
Ammoniacal N	NH ₄ -N		4.6	3.7
Carbamide N	NH ₂ -N		2.5	2.0
P ₂ O ₅ (phosphate)	water soluble		10	8
K ₂ O (potassium)	water soluble		7.5	6

Micronutrients			% w/v	% w/w
B (boron)			0.124	0.01
Cu* (copper)			0.0087	0.007
Fe* (iron)			0.0187	0.015
Mn* (manganese)			0.0161	0.013
Mo (molybdenum)			0.0012	0.001
Zn* (zinc)			0.0062	0.005

			% w/v	% w/w
Cl ⁻			1.1	0.9
Na ⁺			< 0.1	< 0.1

* Fully chelated micronutrient (EDTA)

** Calculated on density

3. PHYSICOCHEMICAL PROPERTIES

Appearance:	green liquid			
Density (20°C/68°F):	approx. 1.24			
pH (20°C/68°F):	approx. 5.4			
Conductivity in distilled water (25°C/77°F):				
°/°°	0.5	1.0	1.5	2.0
µS/cm	270	510	770	990

4. PRECAUTIONS

When storing **SICOGREEN[®]-L SUPER**, temperatures below +5°C (41°F) and above +40°C (104°F) should be avoided. Too low temperatures (and long-term storage) can cause crystallization. The crystals will however easily dissolve again in the spray solution. When mixing with pesticides for the first time, test on a small scale before general use.

5. BIOLOGICAL/TECHNICAL PROPERTIES

- * High and well balanced macronutrient supply.
- * Complete micronutrient supply.
- * Suitable for all crops in all climatic zones.
- * **pH regulation of the spray solution.**
- * Nutrients readily available to plants.
- * Very safe to plants.

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SICO FERTILISERS
 EVERY TIME THE *right* SOLUTION



- * Fully chelated cationic micronutrients.
- * Superchelation reduces the water hardness of the spray solution.
- * The optimal foliar fertiliser for all ornamentals: Leaves no leaf spots, improves the leaf colour, achieves good leaf finish, and ensures seedling production.
- * Improves growth, flowering and fruit performance.
- * Compatible with most commonly used pesticides.
- * Can be applied with all usual HV and LV spraying and sprinkling equipment.
- * **Maintains healthy and attractive leaves.**

6. RATES AND METHODS OF USE

* We have also indicate rates in ml/15 ltr knapsach sprayer

Crop	Rate	* ml/15 ltr	Number and timing of applications
Agriculture	5-10 l/ha	37.5-75	General recommendation for foliar nutrition in conjunction with all pesticide treatments
Fruit growing	0.3%	45	General recommendation for foliar nutrition and post-blossom spray in conjunction with pesticide treatments approx. 6-7 sprays
Grapes	0.3%	45	For foliar nutrition in conjunction with all pesticide treatments
Potted plants/ Cut flowers	0.05-0.5%	7.5-75	General recommendation for soil and foliar nutrition, either alone or in conjunction with pesticide treatments: watering, sprinkling, spraying or atomizing
* Young plants	0.05-0.1% 0.05%	7.5-75 7.5	Water or spray once to twice a week After true leaves have formed or with each atomizer/spray application
* Adult plants	0.2%	30	Use alone or in conjunction with pesticide treatments; spraying or sprinkling
* Marketable plants	0.5% 0.4%	50 60	As a leaf shine Atomizing
Hydroponics			
* Young plants	0.05%	7.5	Nutrient solution for low nutrient requirements
* Others	0.1-0.2%	15-30	As required
Tree nurseries			
* Multiplication/ nursery stock	0.1-0.2% 0.05%	15-30 7.5	After true foliage leaves have formed spraying or sprinkling or with each atomizer/spray application
* Young plants/ saleable stock	0.2% 0.4%	30 60	Foliar nutrition either alone or in conjunction with pesticide treatments Spraying/sprinkling Atomizing
Vegetables	0.1-0.2% 0.4%	15-30 60	Alone or in conjunction with pesticide treatments, as soil and foliar nutrition. Watering, sprinkling or spraying, + applications at 14 days interval Atomizing, + applications at 14 days interval
Aubergines Cucumbers, Peppers	5 l/ha	37.5	6 applications 1st and 2nd: before flowering 3rd-6th: after flowering Intervals between applications should be 2 weeks throughout
Avocados	0.1% 0.2% 0.4%	15 30 60	6 applications. 2 before flowering 4 after flowering at 2-week intervals Young plants ter planting out Bearing trees
Bananas	4-5 l/ha	37.5	At least 5 applications
Beans, Peas	5 l/ha	37.5	4 applications. 1st: before flowering 2nd-4th: after flowering at 14-day intervals
Brassicas, Lettuce	0.1-0.2%	15-30	4 applications. 1st: after planting out 2nd-4th: at 10-days interval
Carrots	5 l/ha	37.5	6 applications at 14-day intervals
Cereals	5-10 l/ha	37.5-75	In conjunction with pesticide treatments
Citrus	5 l/ha	37.5	6 applications. 1st: in winter 2nd: before the blossoms open - 3rd: after petal fall - 4th-6th: at 4-week interval

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Crop	Rate	ml/15 ltr	Number and timing of applications
Coffee (in plantations)	0.1% 0.2 % 0.4 %	15 30 60	6 applications. 1st: before flowering 2nd-6th: after flowering at 3-week intervals Young plants After planting out Bearing trees
Cotton	5 l/ha	37.5	5 applications. 1st and 2nd: in conjunction with the 1st and 2nd insecticide sprays 3rd-5th: during boll formation at 14-day intervals
Hops	6-8 l/ha	45-60	Before and after flowering, in conjunction with all pesticide treatments
Lucerne, Pasture land Maize	5 l/ha 5-10 l/ha	37.5 37.5	1 application 10 days after each cut 4 applications. 1st: when the plants are 15-25 cm high, 2nd-4th: at 14-days intervals
Manioc	5 l/ha	37.5	4 applications. 1st: 30 days after germination 2nd-4th: at 14-day intervals
Melons, Vegetable Marrows	5 l/ha	37.5	4 applications. 1st: 30 days after germination 2nd-4th: at 14-day intervals
Olives	5-10 l/ha	37.5-75	3 applications. 1st: in early spring 2nd: May/June, 3rd: September/October
Onions	5 l/ha	37.5	4 applications. 1st: 30 days after sprouting 2nd-4th: at 14-day intervals
Papayas	0.2% 0.3%	30 45	6 applications. 1st and 2nd: before flowering at 3-week intervals 3rd-6th: after flowering at 3-week intervals Young plants Bearing trees
Pineapples	5 l/ha	37.5	5 applications. 1st: shortly before blossom 2nd-5th: post-blossom at 20-day intervals
Rice	0.4% 4-5 l/ha	60 37.5	In the seed bed before planting out at least 2 applications Under field conditions, at least 5 applications
Soybeans	5 l/ha	37.5	Several applications 1st: after first flowering, then every 14 days, however 3 applications at least
Strawberries	0.1%- 0.2%	15-30	Weekly applications. 1st: after planting out
Tea	5 l/ha	37.5	6 applications. 1st: when the leaf buds form 2nd-6th: at 3-week intervals
Tobacco	5 l/ha	37.5	Several applications. 1st: at the 4- to 5- leaf stage, 2nd: 3 weeks after the 1st application 3rd: 3 weeks after the 2nd application, etc.
Sugar cane	8 l/ha	60	1-2 applications, at a growth height of 25-35 cm
Sugarbeet	5-10 l/ha	37.5-75	2-4 applications between 2-leaf stage and before crop cover (before the rows close for tractor passage)
Cocoa	5 l/ha (= 0.5%)	37.5	2 - 3 applications
Palm trees (container nurseries)	5 l/ha (= 0.5%)	37.5	Monthly spray
Pistachio			foliar: dilute 200-300 ml/hl of water, soil application: dilute 400 ml/hl of water Use up to 1000 l of water/ha. Make sure plants are well wetted.
Turf (golf courses & sport fields)	1-1.5 l/100m ² green 8-12 l/ha fairway or sports turf		and can be repeated during the growth season, weekly to 14 days and can be repeated during the growth season, weekly to 14 days.

7. PACKAGING

1 l / 5 l / 10 l / 20 l / 200

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