



**PRODUCT INFO
& DATASHEET**

SICOGREEN-L AMINO

*Liquid Organic Biostimulant 9% N + 766 g/l Amino Acids
For foliar application and in fertigation*

Revised 06/2017

1. PRODUCT DESCRIPTION

Sicogreen-L Amino is a liquid organic biostimulant for revitalization of plants suffering from stress as well as for maintenance and improvement of pesticide efficacy.

Sicogreen-L Amino is an organic biostimulant and contains 9% organically fixed nitrogen, which is completely available to plants.

Sicogreen-L Amino contains amino acids (766 g/l) as well as polypeptides.

Because of its extremely high adhesive as well as surfactant capacity, it is able to stabilise or even increase the efficacy of pesticides.

Sicogreen-L Amino mainly contains proline, alanine, glycine and threonine. Besides these, it contains a lot more of different types of amino acids.

Sicogreen-L Amino is used preferably for foliar fertilisation, but can be used in fertigation as well.

Amino acids and peptides are precursors of enzymes and growth regulators, eg. Auxines.

Sicogreen-L Amino meets the requirements of the European Union for admission as working funds of ecological farming.

NUTRIENT CONTENTS

	% w/w	% w/v*	g/L
Total Nitrogen (N)	9	11.3	113
Organic Nitrogen	9	11.3	113
Total Amino Acids	60.8	76.6	766
Free Amino Acids	4.14	5.22	52.2

PHYSIOCHEMICAL PROPERTIES

Appearance	form	: liquid
	colour	: brown
Density (20 °C)		approx. 1.26 g/cm ³
pH-value (20 °C)	product	approx. 7.5
pH-value (20 °C)	1% soln.	approx. 6.8

NOTES

* Nutrient content w/v calculated on density

Solubility	Fully water soluble in each ration.
Storage	Donot store below -5 °C and above +40 °C. Frequent temperature variations should be avoided. Protect from contamination, sunlight and dry up.
Storage class	12 Liquid product with no fire risk.
(according to VCI-concept, Germany)	In package with no fire risk.
Hazard	No dangerous good.
Transport	Without restriction for ADR/RID, IMDG and IATA/ICAO.

2. KEY ADVANTAGES

- **9% organic N and 766 g/l of amino acids**
- Increases yield and quality of plants, esp. under stress conditions
- Effective for strengthening the plants
- Pure organic liquid formulation
- Complexing properties in relation to microelements
- 100% natural product
- Produced from regenerative raw materials
- **Strong adhesive effect for addition to pesticides**
- Toxicologically completely safe

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SICO FERTILISERS
 EVERY TIME THE *right* SOLUTION



- **Easy to handle**
- Activates the metabolism of enzymes
- **Extremely high percentage of amino acids and polypeptides**
- Improves fruit set, distribution of fruit size and colour in top fruits
- Repellent to furred game
- **Strong adhesive characteristics**
- Activating power on pesticides and plant growth regulators

3. RATES AND METHODS OF USE

A/ FOLIAR APPLICATIONS

CROP	NO. OF APPLICATIONS	TIMING	RATES OF USE (L/HA)
Pome fruit	3	green bud pre-blossom / balloon stage	2 3
	1	start of flowering post-harvest	3 5
Stone fruit	3	before bloom petal fall	3 – 5 5
Sweet cherries	4	yellowing of fruits red coloring	3 3
Plums / Prunes	4	Scharka treatments (plum pox virus) petal fall and at 30 days interval	5 – 10 (1%)
Mango	3 – 4	start of flowering, fruit set, early cell enlargement	5
Banana	3 – 4	shortly before, shortly after appearance of the inflorescence, at the initial fruit filling stages	5
Pineapple	3 – 4	one week before flowering, at flowering, after fruit setting	5
Strawberries	4	after planting in joint application with botrytis sprays	3
Vegetables	3 – 4	2 – 3 weeks after planting or emergence resp. repeat at fortnight intervals	3 – 5
Viticulture	3 – 4	before and after bloom	3 – 5
Nurseries	according to actual demand	propagation of cuttings	0.25% - 0.30%
Protected cultivation	3 – 5	during stages of light nutritional demand	0.20% - 0.25%
Sugarbeets	3	in joint application with post emergence herbicides	2 – 3
Potatoes	3	in joint application with post emergence herbicides	2 – 3
Cereals	2 – 3	in joint application with fungicides	2 – 3

B/ FERTIGATION

Application at 20 – 30 day intervals or according to demand of the crop. It is generally recommended to apply the product at start of vegetative growth in order to promote root development. At the same time, root absorption of nutrient elements is promoted.

Fruit trees	6 – 8 l/ha
Vegetable crops	8 – 10 l/ha
Strawberries	8 – 10 l/ha
Ornamentals	90 – 100 ml/100 m ²

Rinse well fertigation plant with clear water after application !

4. PACKING

10 l, 20 l can, 200 l drum

5. PRECAUTIONS AND LIABILITY

When storing the product, temperatures below -10°C (14°F) and above + 35°C (95°F) 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.