



**PRODUCT INFO
& DATASHEET**

SICOBIO® RANGE

Product code: BS-AMP
HS Code: 3101 00 00

SICOBIO® AMINO (60% OM)

Liquid organic biostimulant fertiliser

- Made in E.U. -

01/2023

1. PRODUCT DESCRIPTION & PROPERTIES

SICOBIO AMINO is a liquid organic fertiliser that stimulates the growth and development of the green parts of the plant during harsh conditions. The aim of Biota Amino is to stimulate the vigor of the plant growth and thus the quality and quantity of production.

Due to the natural origin it contains a high concentration of nitrogen, amino acid and organic matter. It also contains bio stimulants such as polysaccharides, betaines, proteins, enzymes, auxines and vitamins. The use of SICOBIO AMINO has a positive effect on both the plant quality and the soil structure and is suitable for foliar application and irrigation.

The plant quality is improved by the high concentration of free L-amino acids. Amino acids and polysaccharides improve the structural development of the crop and its spare energy capacity. The aminogram has been developed to stimulate cell division, metabolic and enzymatic activity and resistance against stress conditions. This stress can be caused by weather conditions, damage or phenological phases.

The organic matter and fulvic acids contribute to a better soil structure. This allows the soil to become more aerated, hold moisture more effectively, have a higher cation exchange capacity, and require less fertiliser.

SICOBIO AMINO is fully made from plant-based materials and approved for use in European organic agri- and horticulture. Due to the natural origin the nutrient content may vary.

2. PRODUCT SPECIFICATIONS & CERTIFICATE OF ANALYSIS

Chemical Analysis

	% w/w
Total nitrogen (N)	6.5 %
Organic nitrogen	5.5 %
Ammoniacal nitrogen (N-NH4)	1.0 %
Total organic matter	60 %
Total organic carbon	30 %
Total humic extract	23 %
Free amino acids	13 %
Polysaccharides	6.2 %
pH	5.5 – 7.5

Physical Properties

Appearance	Liquid
Colour	Dark brown
Density (kg/l)	1.26 – 1.28

Aminogram

Alanine Isoleucine	Aspartic acid Lecine	Cysteine Lysine	Phenylalanine Serine
Glutamic acid Threonine	Glycine Tyrosine	Histidine Valine	

3. ADVANTAGES & BENEFITS

In the plant:

- Higher productivity and crop quality
- Improves plant growth
- Increases resistance against stress conditions
- Larger fruits of higher quality
- Better root system
- Higher cellular division
- Better metabolic and enzymatic activity

In the soil:

- Improves soil structure
- Improves soil aeration
- Better nutrient absorption
- Better moisture retention
- Lower consumption of other fertilisers

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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4. USAGE & RECOMMENDATIONS

*** Application**

It is advised to always have an expert make a fertilisation plan and to start with a test application. No guarantees can be given in the event of incorrect use. Best results are obtained through irrigation. SICOBIO AMINO can always be applied, except during blooming or in the event of a fungal infection.

General recommended guidelines

APPLICATION		DOSE	DOSAGE
Foliar		2 – 3 ml/litre	Weekly
Irrigation	Drip	5 – 10 litre/ha	Every 7-15 days
	Targeted treatment	20 litre/ha	During high stress conditions

Crop specific applications

CROP	APPLICATION
Corn	Every 7-10 days from budding until blooming. Use when nitrogen fertilisation is required.
Cotton	Every 15 days from budding until blooming. Use when needed for crop stimulation (stress).
Citrus and fruit trees	4 applications: 2 at budding and 2 during budburst.
Vegetables and cut flowers	4 – 6 applications from the start of the crop, dependent on stress and development.
Grapevine and olive	Use before bloom and when needed for crop stimulation (stress)

5. PACKING: 0.25 – 0.5 – 1 – 10 – 20 -220 -1000 ltr

6. STORAGE & SHELF LIFE :

Store in dry and dark location between 10 and 25°C.

Shelf life 1.5 – 2 years.

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