



**PRODUCT INFO
& DATASHEET**

SICO AMINO ACIDS 50%

Compound Amino Acid Soluble Powder 50% (foliar fertiliser)

Also available in 40% powder and 35% liquid - Origin: China

PRODUCT DESCRIPTION

Characteristics:

SICO AMINO ACIDS 50% - Compound Amino Acid Soluble Powder 50%, is a high-tech product with low price which was painstakingly researched and developed by Chinese experts and professors. This fertiliser is widely used in the base fertiliser spreading and leaf spraying in all kinds of agricultural crops. This product is made of natural protein hair, which is hydrolyzed by hydrochloric acid, then desalted, sprayed and dried.

It contains seventeen free L-Amino Acids and it contains not only 6 kinds of necessary essential Amino Acids, such as: L-Threonine, L-Valine, L-Methionine, L-Isoleucine, L-Pheynylalanine, and L-Lysine, which are processed of 15%; but it contains also 6% semi necessary Amino Acids (L-Arginine, L-Histidine). Total Amino Acid is about 50%.

Activity:

SICO AMINO ACIDS 50% will rapidly correct nutrient deficiencies, improve fruit set, help plants endure environmental stress, and fend off apple, pear, grapevine, vegetable diseases, such as apple-tree canker etc. Is not influenced by pH nor other ions. Is easily absorbed by plants.

Analysis:

<u>Name of product</u>	<u>Wt/Wt</u>	<u>Name of product</u>	<u>Wt/Wt</u>
L-Threonine	3.56%	L-Aspartic	3.45%
L-Serine	4.49%	L-Glutamin Acid	9.12%
L-Proline	3.50%	L-Glycine	2.43%
L-Alaine	2.20%	L-Cystine	2.45%
L-Valine	3.10%	L-Methionine	0.23%
L-Isoleucine	1.70%	L-Leucine	2.80%
L-Tyrosine	1.02%	L-Pheynylalanine	1.78%
L-Lysine	2.30%	L-Histidine	0.90%
L-Arginine	5.20%		
Loss on drying	2.00% (\leq 5.00% Standards of Corp)		
NH CL	45.00% (\leq 48.00% Standards of Corp)		
Ash	1.00% (\leq 2.00% Standards of Corp)		
Total Amino Acids	\pm 50.00% (\leq 45.00% Standards of Corp)		

DIRECTIONS FOR USE

The spray tank should be filled with half of the required amount of water. After shaking the container, measure the required amount of SICO AMINO ACIDS 50% and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution. Spray. Recommended dilution rate is 1:4000-5000.

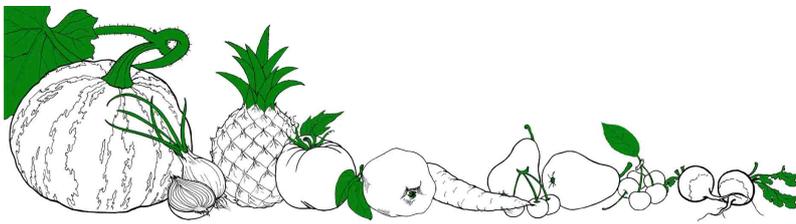
RECOMMENDED APPLICATION RATES

Crops	Foliar spray	Seeding	Irrigation
Corn, wheat, rice etc	1g into 800g water 5-10 kg/ha	1g into 1000g water	1g into 500-600g water 20-30 kg/ha
Cotton	1g into 800g water 5-10 kg/ha	1g into 1000g water	
Bean	1g into 800g water 5-10 kg/ha	1g into 1000g water	
Peanut	1g into 800g water 5-10 kg/ha	1g into 1000g water	
Fruits	1g into 1000g water 3-7 kg/ha	1g into 1100g water	
Vegetables	1g into 1000g water 3-7 kg/ha	1g into 1200g water	
Water melon	1g into 800g water 5-10 kg/ha	1g into 1000g water	
Tea	1g into 800g water 5-10 kg/ha	1g into 1000g water	

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



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PRECAUTIONS

- * Should be stored cool & dry in frost-free condition with optimum storage range between 5 - 40°C, away from direct sunlight.
- * SICO AMINO ACIDS 50% is a non-hazardous and non-flammable foliar fertiliser.
- * Gloves and face shield should be worn when handling the concentrate.
- * Foliar application: Avoid spraying in sunshine and during rainy days. Spray again if it rains within 4-5 hours after a spraying application.
- * Application interval 7 days minimum.
- * Hygroscopic, packing must be tightly closed/sealed after opening.
- * Keep out of reach of children, pets and livestock. Swallowing is harmful.
- * Recommendations for use should be adapted to local climate, soils and application habits. Consult your local agronomist.

PACKING

In 100 g / 500 g / 1000g / 20 kg / 25 kg bags.

SHELF LIFE

3 years

NOTE: We also have

- 1/ **SICO AMINO ACIDS-40**, a 40% Compound Amino Acid Soluble Powder. The main difference between them is that 50 percent powder contains Chlorine while 40 percent powder does not contain Chlorine. Chlorine is harmful for some plants, such as tobacco, citrus, grape, potato, kidney bean and lettuce etc. So 40 percent powder is more expensive than 50 percent powder.
- 2/ **SICO AMINO-ACIDS L35**, an amino acids (brown) liquid 35%, available in 1 lt, 5 lt, 20 lt, 200 lt packings