



**PRODUCT INFO
& DATASHEET**

SICO®- CalMagNit 13.6% N + 6% MgO + 16% CaO

SICO®- CalMagNit +CuB 13.6% N+ 5% MgO+ 17% CaO+ Cu+ B

SICO®- CalMagNit Special 13% N + 6% MgO + 17% CaO (without ammonium)

SICO®- CalMagNit +K 13.5% N+ 4.5% MgO+ 12.5% CaO+ 10% K2O

Granular water soluble fertilisers - Origin: China

revised 1/2018

1) PRODUCT DESCRIPTION & ADVANTAGES

* Our **SICO-CALMAGNIT** (Calcium Magnesium Nitrate) ranges are (chemically) complex granular water soluble fertiliser for use in fertigation, in greenhouses, broadcasting on the field esp for vegetables, fruit trees, horticulture, turf.

* **SICO-CALMAGNIT** is fully water soluble, virtually free from chlorides, sodium and heavy metals, environmentally friendly.

* **SICO-CALMAGNIT** is a new type of nitrate nitrogen fertiliser with neutral pH value, which fully dissolves in water. It is absorbed by the plant directly and improves photosynthesis effect, adjusts soil pH value and improves the crop's absorbing capacity of nitrogen, phosphorus and potassium present in the soil. Also increases crop resistance and can effectively control and prevent blossom-end rot (BER), a physical disorder common in tomatoes and pepper fruits (which is related to calcium deficiency) and core rot in apples, black-spot disease on pears, brown spot disease etc.

* **SICO-CALMAGNIT** is frequently used:

- to feed additional nutrients
- to correct deficiencies in crops
- in changes of fertilisation programs during the growing season (even by spoon feeding) to adjust for better shoots, fruit, flowering & roots development etc.

* **SICO-CALMAGNIT SPECIAL:** As NH₄⁺ is more lively than Ca²⁺, the plant will more easily absorb the NH₄⁺ and not Ca²⁺, so if without ammonium the plant can absorb Ca + Mg more fully.

* **NEW !! SICO-CALMAGNIT + K :** based on Calcium Magnesium Nitrate hexahydrate and potassium nitrate, specially suitable on fruit trees, tomatoes, pepper, eggplant, cucumber etc.

2) PRODUCT SPECIFICATIONS & ANALYSIS

<u>Parameters</u>	<u>SICO-CalMagNit</u>	<u>SICO-CalMagNit +CuB</u>
	<u>Standard Specifications</u>	<u>Standard Specifications</u>
Total Nitrogen (N)	min. 13.6%	min. 13.6%
Nitrate Nitrogen (N-NO ₃)	+/- 13%	+/- 13%
Ammoniacal Nitrogen (N-NH ₄)	+/- 0.6%	+/- 0.6%
Magnesium Oxide (MgO)	min. 6%	min. 5%
Calcium Oxide (CaO)	min. 16%	min. 17%
Insolubles in water	max. 0.1%	max. 0.1%
Cu EDTA		0.015%
Soluble B		0.1%

<u>Parameters</u>	<u>SICO-CalMagNit Special</u>	<u>SICO-CalMagNit + K</u>
	<u>Standard Specifications</u>	<u>Standard Specifications</u>
Total Nitrogen (N)	min. 13%	min. 13.5 %
Nitrate Nitrogen (N-NO ₃)	+/- 13%	+/- 13%
Ammoniacal Nitrogen (N-NH ₄)	without ammonium	+/- 0.5%
Magnesium Oxide (MgO)	min. 6%	min. 4.5%
Calcium Oxide (CaO)	min. 17%	min. 12.5%
Potassium Oxide (K ₂ O)		min. 10%
Insolubles in water	max. 0.1%	max. 0.1%

Sieve Analysis: min. 90% 2-4 mm granules (white color). Product can also be supplied in light blue color with 6.-USD/MT extra price.

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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3) SOME APPLICATION RECOMMENDATIONS & METHODS

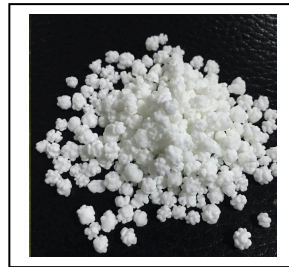
- First period : before intertillage, dosage is 10kg per hectare.
 - Second period : during squaring stage and full – bloom stage, the dosage will be 5kg per time per hectare (fertigation and spray irrigation). Continue to apply SICO-CALMAGNIT 1-2 times according to the growth situation of the crop. Total recommended quantity will be 20-30kg per hectare.
- For specific fertilisation advise please consult your local agronomist in function of crop, soil & leaf analysis, climate, existing fertilisation programs etc.

4) PACKING

In 25 kg net wpp + pe SICO bags,
about 25 MT/20' container (without pallets).



SICO-CalMagNit



SICO-CalMagNit Special

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