



PRODUCT INFO
& DATASHEET

SICO-NITROSUL 24% N + 6% S (granular)

Improved ammonium sulphate formula.
Joined application of nitrogen (N) and sulphur (S)
for optimum yields and quality.

1/ Chemical Analysis

	Guaranteed (%)	Specification
Total Nitrogen (N)	24	12% Ammoniacal N (NH ₄) 12% Nitrate N (NO ₃)
Total Sulphur (S)	6	water soluble
pH	6.5-7	

2/ Physical Properties

* Colour		whitish/greyish white granules odourless
* Density	g/cm ³	0.95 to 1.2 g/cm ³

3/ Product description

SICO-NITROSUL is an improved ammonium sulphate fertiliser which provides a balanced nitrogen nutrition with its combination of nitrate-N and ammonium-N. This has direct consequences on higher yields for the crops (cereals, vegetables, fruits, oil crops...) and therefore increases the farmer's benefits.

Plants require both sulphur and nitrogen to transform sun-energy into protein. Crops with high sulphur requirements (eg. rapeseed) and/or high protein requirements (eg. grass/wheat/etc.) may quickly suffer sulphur deficiency. Fertilisation with SICO-NITROSUL can result into significantly higher yields.

4/ Main advantages to use SICO-NITROSUL as against ammonium sulphate.

1. Best nitrogen nutrition : Perfect balanced combination of nitrate -N (12 NO₃) and ammonium -N (12 NH₄)
2. Boosts optimum yields : Nitrate N is immediately available to plants compared to ammonium -N contained in ammonium sulphate
3. Drastically improves soil conditions : Nitrate N supports other nutrients uptake such as K, Mg, Ca. Reduces soil acidification compared to ammonium sulphate or urea = better sustainability
4. Easy to handle and to apply : granular size = more accurate broadcasting
5. Increases economic benefits & profits :
 - * less nitrogen losses (as eg. compared with urea)
 - * less caking and no dust compared to ammonium sulphate
6. Excellent price/quality ratio
7. Ratio between nitrogen and sulphur (N-S) is ideal for most applications : Indeed both nutrients affect crop quality with similar patterns of uptake curves.

5/ Remarks: We offer also other N-S fertilisers

- **SICO-ANS**: Ammonium Nitrate Sulphate 26% N + 14% S (granular)
- **SICO-BOR-ANS** : 26% N + 13% S + 0.3% B (granular)
- **SICO-AS**: Ammonium Sulphate 21% n + 24% S (crystalline/2 mm granular/3 mm granular)

These products deviate from the ideal N-S ratio creating risk of applying too much sulphur.

We also offer **SICOFERT P- , NP- and NPK** fertilisers containing sulphur.

Only sulphur in the form of sulphate is directly available to the plant. Elementary sulphur (yellow powder) needs first to be transformed by bacteria, which is a strongly acidifying reaction. Sulphur contents in fertilisers are expressed in % SO₃ or also as S. 1% S = 2.5% SO₃. Please take this into account when determining the required sulphur application.

6/ Applications

Wide range of crops to be applied on: maize, rice, sorghum, tomato and other vegetables, mango, pineapple, oil palm, etc.