



**PRODUCT INFO  
& DATASHEET**

## SICORGAN®

**Balanced organo-mineral NPK 5.5.5 + 1 MgO (55 OM)  
in 4-5 mm pellets.**

**Enhances soil fertility & health, crop growth and protection.**

07/2020

### **1/ PRODUCT DESCRIPTION**

SICORGAN NPK 5.5.5 + 1 MgO is a natural fertiliser, specially developed for use in crops that require a balanced N + P + K level, but little chlorine.

SICORGAN NPK 5.5.5 + 1 MgO is an ecological and hygienically sound fertiliser pellet that will stimulate the general development of all crops and plants. Nutrients are released at a slower, more consistent rate, helping to avoid a boom-and-bust pattern. It also helps to retain soil moisture, reducing the stress due to temporary moisture stress.

Organic fertilisers also have the advantage to avoid certain long-term problems associated with the regular heavy use of chemical fertilisers. These problems include: the possibility of "burning" plants with the concentrated chemicals (i.e. an over provision of some nutrients); the progressive decrease of real or perceived "soil health", apparent in loss of structure, reduced ability to absorb precipitation, lightening of soil colour, etc.; the necessity of reapplying chemical fertilisers regularly (and perhaps in increasing quantities) to maintain fertility; the cost (substantial and rising in recent years) and resulting lack of independence.

The organic material consists primarily of humic acid structures that release the minerals present in the soil. As a result, minerals gradually become available for absorption by the roots of plants.

Correct fertilization with SICORGAN NPK 5.5.5 + 1 MgO prevents symptoms of deficiency in the crops during the growing season. This positive effect of SICORGAN NPK 5.5.5 + 1 MgO means a considerable saving in mineral fertilization. Furthermore, reduced use of mineral fertilizers is good for the environment and prevents alkalization of the agricultural soil.

Besides these benefits, the use of SICORGAN NPK 5.5.5 + 1 MgO leads to an increase in the microbiological activity in the soil and improves the structure and porosity of the soil.

A large proportion of the product consists of protein made up of amino acids. These amino acids are gradually released as a result of the breakdown of the organic structures. The slow release character allows plants to use the nutrients before leaching occurs and the nutrients to be available in the soil for a long time.

### **2/ PRODUCT COMPOSITION & CALCULATED AVERAGE ANALYSIS**

		<u>SICORGAN NPK 5.3.3 + 1 MgO</u>		
Dry matter	88% min	<u>contains all trace elements:</u>		
Humidity	12% max	Iron	(Fe)	800 mg/kg
Organic matter (OM)	55% min (average 60%)	Manganese	(Mn)	300 mg/kg
Total Nitrogen (N)	5%	Zinc	(Zn)	280 mg/kg
Phosphate (P2O5)	5%	Copper	(Cu)	65 mg/kg
Potassium (K2O)	5%	Boron	(B)	34 mg/kg
Calcium (CaO)	10%	Molybdenum	(Mo)	8 mg/kg
Magnesium (MgO)	1%	<u>Heavy metals:</u>		
Sulphate (SO4)	4%	Arsenic		< 1.0 mg/kg
Sodium (Na2O)	0.5% max	Cadmium		< 0.18 mg/kg
Chlorine (Cl)	0.5% max	Chromium		< 10mg/kg
pH (10% solution)	7.5	Mercury		< 0.05 mg/kg
Density	725-800 kg/m <sup>3</sup>	Lead		< 5 mg/kg
C/N	> 5	Nickel		< 5 mg/kg
Pellet diameter	4-5mm			
(ideal for mechanical spreading)				

**Attention :** As this is a natural product there may be analysis deviations between different production batches that can go up to +/- 10-15%

### **3/ ADDED VALUE & ADVANTAGES**

- \* Stimulates activity of micro-organisms in soil.
- \* Excellent source of humus
- \* Good balance of minerals.

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.

**SAP INTERNATIONAL CORPORATION** by Krekelenberg 83, B-2980 Zoersel, Belgium  
Tel. +32-3-309.06.51 Email : [info@sico.be](mailto:info@sico.be) Website : [www.sico.be](http://www.sico.be)



**PRODUCT INFO  
& DATASHEET**

- \* Avoid a boom and bust pattern of fertilisation.
- \* Helps to retain soil moisture, reducing temporary moisture stress.
- \* Homogeneous and stable thanks to very modern drying technology.
- \* Traceability thanks to controlled modern production.
- \* Fermented. Pasteurization according to European standard 1069-2009.

**4/ APPLICATIONS**

General recommendation : 1-2 tons per ha. Frequency depends on soil and crop.  
For specific recommendations: same as for SICORGAN NPK 4.3.3 + 1 MgO.

**5/ EASY TO USE**

The ideal granular shape makes SICORGAN NPK 5.5.5 + 1 MgO very easy to spread using a fertiliser distributor. It goes without saying that the product can also be distributed by hand or using a row fertilizer.  
SICORGAN organic compound NPK 5.5.5 + 1 MgO can be stored for long periods in dry, well-ventilated buildings.

**6/ PACKING**

In 25 kg net multicolor SICORGAN polyethylene (pe) bags (with product label -*can be in any language: you provide us ready to print translation of our English standard text in your language*), bags without pallets about 22.2 MT/20' fcl or 19.2 MT/20' fcl if on pallets or 27.6 MT/40' fcl (loose bags) or 27.90 MT/40' fcl (bags on pallets).