



**PRODUCT INFO
& DATASHEET**

SICORGAN Organo-mineral NPK 4.3.7 + 1 MgO (60 OM)

Special COFFEE & POTATO & TOBACCO

in 4-5 mm pellets

08/2022

1/ PRODUCT DESCRIPTION

SICORGAN organo-mineral NPK 4.3.7 + 1 MgO (60 OM) has been **specially designed for use on COFFEE and POTATO and TOBACCO.**

SICORGAN COFFEE

The 60% organic matter stimulates life so nutrients as phosphorus (P), potassium (K) and trace elements become more easily available to plants, refilling the soil with organic nutrients after harvesting. It is very complementary to using our SICOFERT COFFEE Granular complex NPK 22.6.12 + 0.6 MgO + 10 SO₃ + B + Mo + Zn (MOP based) chemical fertilizer.

SICORGAN POTATO

This formula specially designed also for use on tuber crops as potatoes, cassava. Potatoes are a high yield crop, hence removing a lot of nutrients from the soil. SICORGAN POTATO is ideally complementary to using our SICOFERT Blue Granular complex NPK 12.12.17 + 2 MgO + TE + 24.40 SO₃ (SOP based) or SICOFERT POTATOMIX Granular blended NPK 10.25.12 + 2.5 MgO + 0.2 B (MOP based bulk blend) etc.

SICORGAN TOBACCO: high potassium content.

SICORGAN organo-mineral NPK 4.3.7 + 1 MgO is a fertiliser with a high potassium (K) content and 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 avoiding 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 overprovision 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.

2/ PRODUCT COMPOSITION & CALCULATED AVERAGE ANALYSIS

		<u>SICORGAN organo-mineral NPK 4.3.7 + 1 MgO (60 OM)</u>	
		<u>contains all trace elements:</u>	
Dry matter	88% min.	Iron	(Fe) 720 mg/kg
Humidity	12% max.	Manganese	(Mn) 320 mg/kg
Organic matter (OM)	59-60%	Zinc	(Zn) 280 mg/kg
Total Nitrogen (N)	4.1%	Copper	(Cu) 72 mg/kg
Organic N	3.4%	Boron	(B) 34 mg/kg
Ammoniacal-N (N-NH ₄)	0.2%	Molybdenum	(Mo) 9 mg/kg
		Cobalt	(Co) NA
Phosphate (P ₂ O ₅)	3.2%	<u>Other characteristics</u>	
Potassium (K ₂ O)	7.0%	Humic Acids	(HA) 5%
Calcium (CaO)	8.2%	Fulvic Acids	(FA) 15%
Magnesium (MgO)	0.92%	C/N	>8
Sulphate (SO ₄)	5.1%		
Sodium (Na ₂ O)	0.75% max.		
Chlorine (Cl)	0.4% max.		
pH (10% solution)	6.8		
Density	+/- 850 kg/m ³	Pellet diameter: 4-5 mm (ideal for mechanical spreading)	

3/ ADDED VALUE & ADVANTAGES

- * Stimulates activity of micro-organisms in soil.
- * Excellent source of humus
- * Good balance of minerals.
- * Avoid a boom and bust pattern of fertilisation.
- * Homogeneous and stable thanks to very modern drying technology.
- * Traceability thanks to controlled modern production.
- * Fermented. Pasteurization according to European standard 1069-2009.
- * Helps to retain soil moisture, reducing temporary moisture stress.

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 Website : www.sico.be



**PRODUCT INFO
& DATASHEET**

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.

Specific usage rates on coffee, potato and tobacco:

a. Coffee:

When the trees are in full bearing, fertiliser rates are based on soil and leaf analyses, and on expected yield: 200-300 kg/ha/year N and K₂O, 50 kg/ha/year P₂O₅ in 3-4 dressings (Sept. – Apr.).

This corresponds to 3-4 tonnes of NPK 4.3.7 + 1 MgO fertiliser. If necessary supplementary SICOFERT mineral fertiliser should be used.

b. Potato:

Nutrient requirements depend on cultivar and soil type. In general potatoes use 200 kg of N/ha, 80-100 kg of P₂O₅/ha and 250 kg of K₂O/ha.

We recommend an application of 2.5-3 tonnes of SICORGAN NPK 4.3.7 + 1 MgO fertiliser, possibly complementary to a SICOFERT mineral nitrogen fertiliser.

c. Tobacco:

There are different types of tobacco which have different nutrient requirements. These are also heavily dependent on soil status. In general, an application of 1-1.5 tonnes of SICORGAN NPK 4.3.7 + 1 MgO fertiliser is recommended. See also our SICOFLOR Tobacco substrates.

5/ EASY TO USE

The ideal granular shape makes SICORGAN organo-mineral NPK 4.3.7 + 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 organo-mineral NPK 4.3.7 + 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).